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15 Harvie Road

PRELIMINARY STORMWATER MANAGEMENT REPORT

Barrie-Bryne Developments Limited

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1 Introduction

Tatham Engineering Limited has been retained by Barrie-Bryne Developments Limited to prepare a Preliminary Stormwater Management (SWM) report in support Draft Plan of Subdivision (Draft Plan), Zoning By-law and Official Plan amendment applications for a proposed mixed-used development located at 15 Harvie Road in the City of Barrie (City). The proposed stormwater management plan for the development is outlined in this report.

1.1 OBJECTIVES

This report was prepared to demonstrate how the proposed development will not adversely affect local surface water conditions. This will be accomplished by evaluating the effect of the development on local drainage conditions under existing and proposed site conditions and, where necessary, provide solutions to mitigate any adverse impacts.

1.2 GUIDELINES AND BACKGROUND INFORMATION

This report is prepared in consideration of the following municipal, provincial and agency guidelines documents and engineering drawings:

- F.J. Ternoway & Associated Limited *Supplementary Stormwater Management Study for Pond 'A' and Existing Stolp Pond Retrofit*, (2003);
- The Ministry of the Environment, Conservation, and Parks (MECP, formerly known as Ministry of Environment), *Stormwater Management Practices Planning and Design Manual* (2003);
- MECP, *Lake Simcoe Protection Plan* (LSPP) (2009);
- City of Barrie Engineering Department *Lovers Creek Stormwater Management Pond (LV14) Retrofit*, (2009);
- Lake Simcoe Region Conservation Authority (LSRCA), *Technical Guidelines for SWM Submissions* (2016);
- Hatch Infrastructure *Harvie Road and Big Bay Point Road New Crossing Over Highway 400 Detailed Design – Drainage and Hydrology Report (Draft)*, (2017);
- Hatch Infrastructure *Harvie Road and Big Bay Point Road New Crossing – Highway 400 Issued for Construction Drawings*, (2018);
- Hatch Infrastructure *Transportation Improvements for Bryne Drive, Detailed Design Drainage and Stormwater Management Report*, (2018);
- LSRCA, *Phosphorus Offsetting Policy* (2019);

- City of Barrie S*torm Drainage and Stormwater Management Policies and Design Guidelines* (2022); and
- Sustainable Technologies Evaluation Program (STEP) *LID SWM Planning and Design Guide* (2022).

This report is prepared in consideration of the following site-specific studies and reports:

- WSP Canada Inc. *Geotechnical Desktop Review Highway 400 & Harvie Road, Barrie Ontario* (2022);
- WSP Canada Inc. *Preliminary Hydrogeological Investigation Highway 400 & Harvie Road, Barrie Ontario* (2022);
- Beacon Environmental Ltd. *Preliminary Environmental Impact Study Bryne Drive City of Barrie* (March 2022); and
- Tatham Engineering Limited *15 Harvie Road Natural Hazards Assessment* (March 2022).

1.3 METHODOLOGY

Existing and future site conditions have been modelled using Visual OTTHYMO (VO6.2) hydrologic modelling software, applying City of Barrie intensity duration frequency (IDF) rainfall data in accordance with City standards. Peak flow rates have been generated for the 1:2-year through 1:100-year return periods using 4-Hour Chicago (CHI), 12-Hour SCS Type II (SCS) and 24-Hour SCS design storm distributions. In addition, the Regional (Hurricane Hazel) Storm has been modelled under the antecedent moisture condition (AMC) III conditions, in accordance with LSRCA requirements.

2 Site Description

The subject property is located at 15 Harvie Road in the City of Barrie. The site is bound by Harvie Road to the north, Highway 400 to the east, Thrushwood Drive/Megan Crescent and existing residential development to the west and Bryne Drive and existing commercial developments to the south. Upstream reaches of Whiskey Creek and Lovers Creek bisect the north and south portions of the site. The site is located within the Lake Simcoe Region Conservation Authority (LSRCA) watershed. Due to the presence of Lovers Creek and Whiskey Creek, the site is located partially within the LSRCA regulated area. The site is bisected by the future Bryne Drive right-of-way (ROW).

The east half of the site is legally described as:

- PART OF LOT 7 CONCESSION 12 INNISFIL, S/T LT180101 & LT96445; CITY OF BARRIE

The west half of the site is legally described as:

- PARTS OF LOTS 5, 6 & 7 PLAN 67 AND PART OF LOT 7 CONCESSION 12 INNISFIL; S/T IN27834 & LT180101; SUBJECT TO AN EASMENT IN GROSS OVER PART 1 PLAN 51R37280 AS IN SC1010404; CITY OF BARRIE

Refer to Figure 1: Site Location Plan.

2.1 LAND USE

Based on the City of Barrie's current Official Plan the property is designated General Industrial, General Commercial and Environmental Protection Area.

There are three easements located within the property, a 30.5 m wide hydro servicing easement, a 26.0 m wide sanitary sewer easement and a 6.0 m/10.0 m Bell Cable easement. The eastern limit of the site is subject to a future 30.0 m Ministry of Transportation (MTO) road widening.

2.2 BRYNE DRIVE EXTENSION

The subject property is centrally bisected by a ROW which has been dedicated to the City for the future extension of Bryne Drive. The Bryne Drive extension is a City project which includes the extension of Bryne Drive north from Caplan Avenue, intersecting Harvie Road, continuing north and connecting to the existing portion of Bryne Drive south of Essa Road. The project is planned to be completed in two phases, with the south extension which bisects the subject site (Harvie Road to Caplan Avenue) expected to commence in 2022 and the north extension (Harvie Road to Essa Road) expected to commence by 2027. This report assumes the Bryne Drive

extension project will be fully constructed between Harvie Road and Caplan Avenue and available for connection prior to the proposed development construction.



Figure 1: Site Location Plan

2.3 TOPOGRAPHY

Information relating to existing topography, ground cover, and drainage patterns was obtained through a review of relevant background studies, available plans, base mapping, and topographic surveys, and was confirmed during site visits.

A detailed topographic survey was completed by J.D. Barnes Limited in July 2007. This survey has been reviewed and compared to other available contour mapping and appears to be sufficient for preliminary design. If required, additional topographic survey will be completed during the detailed design stage to reflect recent surrounding construction activity (i.e. recently completed Harvie Road construction).

The subject property is approximately 33.3 ha of undeveloped lands. There is an existing east-west drainage divide with the north half sloping (2 – 3%) towards Whiskey Creek and a smaller area from the southern half gently sloping (0.5 – 1%) towards Lovers Creek.

2.4 GEOTECHNICAL

Based on the Ontario Soil Survey the existing soils on the eastern three-quarters of the site are classified as Tioga Sand Loam, part of Hydrologic Soil Group (HSG) A and the existing soils on the western third of the site are classified as Dundonald Sand Loam, HSG A.

The *Geotechnical Desktop Review* was completed to identify the subsurface conditions and determine the engineering properties of the in-situ soils for the design and construction of the proposed development.

The report describes the existing soils as silty sand, sandy silt, sand, clayey silt, and clayey sand. generally extending to the borehole termination depths of 7.6 mbg. Topsoil was encountered with thicknesses ranging from 0.12 to 0.61 mbg.

2.5 PRELIMINARY HYDROGEOLOGICAL INVESTIGATION

A *Preliminary Hydrogeological Investigation* was completed to characterize the preliminary hydrogeological conditions on-site and assess the potential impacts the groundwater regime may have on the proposed development. A preliminary water balance assessment was also completed as part of their hydrogeological investigation. Seven drilled boreholes and seven monitoring wells were installed to understand the geological lithology and stratigraphy. During the monitoring season (December 2021 – January 2022) groundwater was present at depths ranging from 2.50 metres below ground surface (mbgs) to 12.14 mbgs. Monitoring wells MW21-02s and MW21-02d were dry during the December monitoring periods. The groundwater surface as provided by WSP has been utilized for the preliminary design of the proposed SWM controls.

As additional groundwater monitoring information becomes available, the design of any impacted SWM controls will be revised, if required.

2.5.1 Source Water Protection

The site is located within the South Georgian Bay Lake Simcoe Source Protection Region but is not located within a Highly Vulnerable Aquifer (HVA) or Surface Water Intake Protection Zone (IPZ). However, the site does fall within a Significant Groundwater Recharge Area (SGRA) with a vulnerability score of 4 which is representative of a moderate contamination risk.

2.5.2 Preliminary Infiltration Rates

Soil infiltration rates were estimated based on hydraulic conductivity tests and grain size distribution analyses completed at the site. In-situ soils were found to be moderate to well-draining with infiltration rates ranging between 13 mm/hour to 82 mm/hour.

2.6 ENVIRONMENTAL/NATURAL HERITAGE

Beacon completed a preliminary *Environmental Impact Study* (EIS) in support of the proposed development to identify existing natural heritage features on the site and to address the potential ecological impacts the proposed development may have on the natural heritage features.

3 Proposed Development

The proposed development consists of a residential component (west of the Bryne Drive extension) and an employment component (east of the Bryne Drive extension).

3.1 RESIDENTIAL LANDS

The residential component of the site proposes 66 semi-detached units, 138 street townhouses, 34 back-to-back townhouses, and two mid-rise residential blocks (3.59 ha) with a total of 539 units. The west half of the site also includes the hydro servicing easement/corridor, a 0.93 ha park block, a 0.67 ha SWM block (Block 73) and a 0.35 ha open space block.

It should be noted that unit counts provided for the mid-rise residential blocks (539 units) are estimates only for the purposes of this analysis. The mid-rise residential blocks are subject to future Site Plan Approval requirements at which time the unit counts will be confirmed. As site plans are not currently available, this report has assumed expected unit counts, building sizes, and impervious lot coverage. Notes are included in the calculations where these assumptions are applied.

3.2 EMPLOYMENT LANDS

The employment component of the site proposes 8 employment blocks (12.69 ha) and also includes the 30.0 m MTO Highway 400 road widening, a 1.15 ha SWM block (Block 72) and two open space blocks (2.46 ha).

3.3 SITE ACCESS

The proposed development includes two accesses from Thrushwood Drive and an east-west access from the Bryne Drive extension.

The proposed Draft Plan of Subdivision (prepared by Weston Consulting) is provided in Appendix A.

4 Background Information

A comprehensive review of available background information specific to the subject lands and adjacent developments have been reviewed and utilized in the development of this preliminary SWM plan. A summary of the contents of each and how it was utilized is provided below. Relevant excerpts referenced directly are provided in Appendix B.

4.1 CITY OF BARRIE DRAINAGE MASTER PLAN

The City of Barrie Drainage Master Plan (DMP) was prepared by Tatham Engineering Limited in 2019 to identify existing drainage deficiencies throughout the City, evaluate alternative solutions to address the deficiencies and recommended preferred alternative solutions to be implemented to fulfill requirements of the Municipal Class Environmental Assessment process. City wide minor and major drainage system models were developed and used to evaluate the drainage systems city wide.

The hydrologic models of the Barrie Creeks Subwatershed (including Whiskey Creek) and Lovers Creek Subwatershed developed for the DMP served as the basis for the hydrologic models within this report. Catchments have been altered as necessary to represent the different development scenarios.

4.2 SUPPLEMENTARY STORMWATER MANAGEMENT STUDY FOR POND 'A' AND STOLP POND RETROFIT

F.J. Ternoway & Associates Limited prepared an updated SWM report in 2003 which addressed the proposed revisions to Pond 'A' and the proposed retrofit of the existing Stolp pond (located immediately north of the subject site, south of Megan Cres.) and reflect findings of the Whiskey Creek Master Drainage Report prepared by R.G. Robinson & Associates (1986) and the Master Watershed Plan for Whiskey Creek, also prepared by R.G. Robinson & Associates (2002). SWM design information and data contained with the reports appendices has been referred to for original pond design details and hydrologic assumptions. A portion of the subject site was accounted for in the design of these two existing SWM facilities, further discussion is provided in Section 5.

4.3 TRANSPORTATION IMPROVEMENTS FOR BRYNE DRIVE DETAIL DESIGN

Hatch was retained by the City of Barrie to complete detail design of proposed transportation improvements for Bryne Drive which included the widening and extension of Bryne Drive northerly to Essa Road. As part of their design, a comprehensive hydrologic model was developed to generate existing and proposed peak flow rates at drainage points of interest

critical to the design of Bryne Drive. As part of their SWM plan, Pond 'A' and Lovers Creek Pond LV14 are proposed to undergo minor retrofits. As such, route reservoir routines for the Stolp Pond, Pond 'A' and LV14, as well as catchment areas representative of the Bryne Drive extension through the subject site as well as the recently reconstructed Harvie Road improvements have been incorporated into our hydrologic model using the same parameters for consistency.

4.4 HARVIE ROAD AND BIG BAY POINT ROAD CROSSING OVER HIGHWAY 400

Hatch prepared a detailed design SWM report and detailed engineering drawings for the Harvie Road and Big Bay Point Road crossing project which were reviewed during development of the existing conditions hydrologic scenario. Drawings and catchment plans were reviewed to determine and account for changes to existing drainage conditions established by the DMP, additional drainage infrastructure and controls to be implemented as part of the project.

5 Existing Drainage Conditions

5.1 BACKGROUND INFORMATION

Based on review of available background reports, the subject lands have been planned for development for some time, and, therefore, multiple existing condition hydrologic models have been prepared to determine existing condition peak flow rates. The comprehensive DMP, which has been approved by the City, was used as a basis for developing an existing condition hydrologic model. However, as the DMP was completed prior to the Harvie and Big Bay Point Road crossing project, and as the Bryne Drive extension project is anticipated to be completed prior to development of the subject lands, a revised existing conditions hydrologic scenario has been prepared to account for these changes in land use. To represent the true existing hydrologic condition when the subject lands will be developed, changes to existing drainage conditions due to Harvie Road and Bryne Drive works has been considered along with retrofit projects to LV14 and Pond 'A'. This model supersedes the existing condition model utilized in the DMP. Additional details related to catchment modifications is provided below.

5.1.1 Catchment Modifications

As mentioned, an existing conditions hydrologic model has been developed based on the City's DMP and modified to include catchment areas delineated by Hatch for the Harvie Road and Bryne Drive projects. Catchment parameters including total impervious area (TIMP) and directly connected impervious area (XIMP) used to model the Harvie Road and Bryne Drive corridors have been applied per Hatch's SWM plan. Catchment areas have been re-delineated where required for consistency. A summary of revisions is provided in Table 1.

Table 1: Summary of Revised Catchment Areas

TATHAM CATCHMENT ID AND AREA (ha)		DMP CATCHMENT ID AND AREA (ha)		HATCH CATCHMENT ID AND AREA (ha)		REASON FOR MODIFICATION
301	79.4	106	77.39	100	50.10	Part of 106, altered to reflect Harvie Road reconstruction
302	1.92	101	5.38	101	15.4	Part of 101, altered to reflect Harvie Road reconstruction
304	0.24	103	0.30			Part of 103, altered to reflect Harvie Road reconstruction
306	5.51	105	6.01			Part of 105 altered to reflect Harvie Road reconstruction
308	2.28	101	5.38			Part of 101, altered to reflect Harvie Road reconstruction
309	1.39	110	17.16			Part of 110, altered to reflect Harvie Road reconstruction
310	3.42	110	17.16			Part of 110, altered to reflect Harvie Road reconstruction & topography
311	18.02	111	19.93			Part of 111, altered to reflect Harvie Road reconstruction
312	14.69	110	17.16			Part of 110, altered to reflect Harvie Road reconstruction
313	9.60	113	21.67			Part of 113, altered to reflect Harvie Road reconstruction
314	2.53			207	2.20	Areas measured in CAD different than areas shown on Hatch drainage plans
315	2.95			208	2.70	
316	1.50			BRW3	1.80	
317	0.93			BRW2	0.65	
318	1.04			204	1.70	
322	3.30	LV197	2.96			
324	6.46	LV199	6.78			
325	0.54			L-1D	0.68	Areas measured in CAD different than areas shown on Hatch drainage plans

5.2 LAND COVER AND DRAINAGE PATTERNS

Under existing conditions, the subject lands are currently undeveloped and consist of cultivated land, forest, pasture and meadow with small pockets of impervious areas. Site generated runoff flows overland and drains to one of two existing Subwatersheds: Barrie Creeks (Whiskey Creek) and Lovers Creek, as discussed below.

5.3 SUBWATERSHEDS

5.3.1 Barrie Creeks

The Barrie Creeks Subwatershed is approximately 3,753 ha and is located mostly in the City of Barrie. As such, it is one of the most urbanized Subwatersheds in the Lake Simcoe basin. Under existing conditions, the section of Whiskey Creek which runs through the subject site receives runoff from approximately 186.6 ha of land, including 152.7 ha of external drainage areas as well as 23.10 ha from the subject site.

The *Natural Hazards Assessment* confirms the extent of the Whiskey Creek floodplain through the subject site.

5.3.2 Lovers Creek

The Lovers Creek Subwatershed is approximately 5,995 ha. Under existing conditions, the section of Lovers Creek which runs through the subject site receives runoff from approximately 47.1 ha of land, including 36.84 ha of external drainage areas as well as 10.2 ha from the subject site.

The *Natural Hazards Assessment* confirms the extent of the Lovers Creek floodplain through the subject site.

5.4 EXISTING SWM FACILITIES

Three existing SWM facilities: Stolp Pond, Pond 'A' and SWM facility LV14 are located upstream of the subject lands and provide water quantity and water quality controls for approximately 129 ha of drainage area. A summary of the SWMF design details and operating characteristics under existing conditions is provided below.

5.4.1 Stolp Pond and Pond 'A'

Stolp Pond and Pond 'A' are located in the Barrie Creeks Subwatershed. Stolp pond was initially constructed in the early 1990s to provide quantity control for the Stolp subdivision but was later retrofitted in the early 2000s to provide an integrated level of protection for an area referred to as the South Tributary of Whiskey Creek (STWC). Stolp pond currently provides "normal" (70% TSS removal efficiency) treatment for approximately 49.3 ha of lands comprised of the Mason



Homes and Pidutti Subdivisions and "basic" (60% TSS removal efficiency) treatment for approximately 62.6 ha of land comprised of the Stolp Subdivision, the Mapleview Subdivision and other developments located west of Veterans Drive. Stolp Pond outlets into Pond 'A'.

Pond 'A' was originally designed as part of the Whiskey Creek Watershed Master Drainage Plan (1986) to provide quantity control for the STWC area. It's final design is documented in the *Supplementary SWM report* where it was designed as a dry pond to provide quantity control for approximately 119.6 ha of development area within the STWC area.

It is understood that Pond 'A' will undergo a minor retrofit in support of Harvie Road and Bryne Drive improvement projects through the addition of an infiltration chamber on the north side of the main cell.

Based on review of drawings 310-201 and 310-202 provided in the *Supplementary SWM report*, approximately 24.5 ha of the subject lands was considered in the original design of the Pond 'A', with an assumed total imperviousness of 58%. As such, under proposed conditions, some runoff from the subject lands will be conveyed to Pond 'A' for water quantity control. An assessment of the operating characteristics of the pond under both development scenarios has been completed. The Stolp pond and Pond 'A' stage-storage-discharge curves have been incorporated into the existing and proposed conditions hydrologic models as Route Reservoir (RR) routines 401 and 4011 which are copies of Hatch's RR routines 153 and 158 respectively.

Controlled flows from Pond 'A' discharge into a main branch of Whiskey Creek and are ultimately conveyed to Kempenfelt Bay. Refer to the original hydrologic model results appended to Hatch's 2018 SWM report for additional information.

5.4.2 Pond LV14

Pond LV14 is located within the Lovers Creek Subwatershed and was constructed in 1989 in support of the Barrie View Farms Subdivision and later retrofitted in 1995 in conjunction with development of the Barrie View commercial subdivision. In the late 2000's it was converted into a wet pond with sediment forebays and provides water quality and water quantity controls for approximately 33.4 ha of contributing drainage area. Outflows from Pond LV14 flow via a drainage channel into a main branch of Lovers Creek which bisects the subject site.

As per Hatch's SWM report, it is understood Pond LV14 will also undergo a minor retrofit in support of the Bryne Drive extension. However, as runoff from the subject site will not drain to this SWM facility, the function of the pond has not been assessed,

The post-retrofit LV14 stage-storage-discharge curve has been incorporated into our existing and proposed hydrologic models (modelled as RR 404) which is a copy of RR LV14 utilized by Hatch.



5.5 HYDROLOGY

For the purpose of hydrologic modelling, 26 external catchments and 6 site catchments have been defined. Existing peak flow rates have been assessed at two drainage points of interest, defined as outlets, within each Subwatershed. Outlet #1 and Outlet #1B are located within the Barrie Creeks Subwatershed and represent peak flows received by Whiskey Creek at the Bryne Drive crossing (Outlet #1B) and at the Highway 400 crossing (Outlet #1).

Outlet #2 and Outlet #2B are located within the Lovers Creek Subwatershed and represent peak flows received by Lovers Creek at the Bryne Drive Crossing (Outlet #2B) and at the Highway 400 Crossing (Outlet #2).

Existing drainage conditions at each outlet is described further below. Existing drainage patterns and outlet locations are provided on the Existing Condition Drainage Plan, Drawing DP-1, provided in Appendix I.

5.5.1 Outlet #1B – Whiskey Creek at Bryne Drive

One site catchment area (101) and 15 external catchment areas (301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315 and 316) contribute to Outlet #1B. Catchment 101 is approximately 16.8 ha and comprised of mostly cultivated lands with pockets of woodland, pasture, meadow and impervious areas. Stolp Pond and Pond 'A' are located within Catchment 101. Runoff from Catchment 101 drains at an approximate slope of 2.7% to Pond 'A'. Based on our review of the available soils map, soils in Catchment 101 are predominately Tioga Sand Loam which is typically well draining and part of HSG A. There are also deposits of Dundonald Sand Loam which is a part of HSG AB and is also well draining. This is consistent with findings of the *Geotechnical Desktop Review* provided under separate cover.

Detailed catchment information related to external catchment areas is provided in Appendix C.

Peak flows at Outlet #1B are represented by AddHyd Node 909 which is the point of confluence of flows from the Harvie and Bryne 1.8 m dia. culvert crossing and Pond 'A'. For clarity, a summary of operating characteristics of Pond 'A' under existing conditions including peak discharges, storage volumes and equivalent water surface elevations is provided in Table 2. Water surface elevations have been estimated using Table 6-5 of Hatch's 2018 SWM report and the stage-storage-discharge information contained within RR4011. Refer to the original SWM report for additional information. Detailed model output information is provided in Appendix C.



Table 2: Pond 'A' Operating Characteristics Summary – Existing Conditions

STORM	DISCHARGE (m^3/s) (NODE #4011)		STORAGE VOLUME (m^3)		WATER ELEVATION (m)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.34		405		291.00	
1:2-year	0.675	0.851	1,184	3,811	291.30	291.96
1:5-year	0.951	1.052	6,764	12,736	292.71	293.58
1:10-year	1.041	1.135	12,029	19,721	293.51	294.31
1:25-year	1.133	1.227	19,440	29,823	294.29	295.06
1:50-year	1.186	1.281	25,189	37,901	294.72	295.55
1:100-year	1.237	1.335	31,269	46,268	295.15	296.03
Regional (Hazel)	10.12		81,319		297.70	

5.5.2 Outlet #1 – Whiskey Creek at Highway 400

In addition to drainage areas contributing to Outlet #1B, two site catchment areas (102 and 103) and three external catchment areas (313, 317 and 318) contribute to Outlet #1. Catchment 102 is approximately 10.9 ha and comprised of mostly cultivated land. Runoff from Catchment 102 drains at an approximate slope of 4.1% to Whiskey Creek. Based on the available soils map, Catchment 102 is comprised entirely of Tioga Sand Loam. Catchment 103 is approximately 6.2 ha and comprised of cultivated, pasture and impervious areas. Runoff from Catchment 103 flows, overland, at an approximate slope of 3.1% to Whiskey Creek. Based on the available soils map, Catchment 103 is comprised entirely of Tioga Sand Loam.

Detailed catchment information related to external catchment areas is provided in Appendix C.

Peak flows at Outlet #1B are represented by AddHyd Node 911 which represents the Harvie Road and Highway 400 culvert crossing.

5.5.3 Outlet #2B – Lovers Creek at Bryne Drive

Two site catchment areas (104 and 105) and seven external catchment areas (320, 321, 322, 323, 324, 325 and 326) contribute to Outlet #2B. Catchment 104 is approximately 5.8 ha and comprised of cultivated, pasture and woodland areas. Runoff from Catchment 104 drains at an

approximate slope of 0.8% to Lovers Creek. Based on the available soils map, Catchment 104 is comprised of Tioga Sand Loam and Dundonald Sand Loam. Catchment 105 is approximately 0.4 ha and consists of the portion of Bryne Drive which was not accounted for in Hatch's SWM model. TIMP and XIMP catchment parameters of 75% and 75% have been applied based on the parameters of the adjacent Bryne Drive catchment (Catchment 326) accounted for in Hatch's SWM model. Runoff from Catchment 105 is understood to discharge into Lovers Creek upstream of the Bryne Drive culvert crossing.

Detailed catchment information related to external catchment areas is provided in Appendix C.

Peak flows at Outlet #2B are represented by AddHyd Node 913 which represents the Bryne Drive and Lovers Creek 1,200 mm dia. culvert crossing.

5.5.4 Outlet #2 – Lovers Creek at Highway 400

In addition to the drainage areas contributing to Outlet #2B, one site catchment area (106) contributes to Outlet #2. Catchment 106 is approximately 6.9 ha and comprised of cultivated, woodland, pasture and impervious areas. Runoff from Catchment 106 drains, overland, at an approximate slope of 2.4% to Lovers Creek. Catchment 106 is comprised entirely of Tioga Sand Loam.

Peak flows at Outlet #1B are represented by AddHyd Node 914.

Additional catchment details are provided in Appendix C.

5.6 PEAK FLOW SUMMARY

A summary of peak flows for the 4-Hour CHI and 24-Hour SCS design storms at each outlet is provided in Table 3 and 4 below. Detailed model results for all storm events are provided in Appendix C.

Table 3: Existing Conditions Peak Flow Summary - Barrie Creeks Subwatershed

STORM	OUTLET #1B (NODE 909) (m^3/s)		OUTLET #1 (NODE 911) (m^3/s)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.59		0.63	
1:2-year	1.230	1.382	1.38	1.70
1:5-year	1.603	2.036	1.93	2.64
1:10-year	1.864	2.504	2.32	3.35
1:25-year	2.315	3.157	2.99	4.34
1:50-year	2.669	3.690	3.49	5.14
1:100-year	3.049	4.214	4.03	5.95
Regional (Hazel)	18.38		21.32	

Note: AMC III conditions have been applied to the Regional Hurricane Hazel model as per LSRCA requirements.

Table 4: Existing Conditions Peak Flow Summary - Lovers Creek Subwatershed

STORM	OUTLET #2B (NODE 913) (m^3/s)		OUTLET #2 (NODE 914) (m^3/s)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.08		0.16	
1:2-year	0.173	0.185	0.327	0.357
1:5-year	0.238	0.295	0.450	0.553
1:10-year	0.285	0.368	0.540	0.694
1:25-year	0.343	0.461	0.655	0.922
1:50-year	0.386	0.540	0.742	1.097
1:100-year	0.436	0.756	0.845	1.275
Regional (Hazel)	4.65		5.70	

Note: AMC III conditions have been applied to the Regional Hurricane Hazel model as per LSRCA requirements.

6 Proposed Drainage and SWM

6.1 STORMWATER MANAGEMENT DESIGN CRITERIA

This preliminary SWM report is subject to the review and approval of the City of Barrie and LSRCA. The following design criteria are to be satisfied in the proposed SWM Plan.

- Post-development peak flow rates must be controlled to pre-development rates or less to ensure no adverse impacts to downstream surface water conditions. Peak flow rates will continue to be assessed at two intermediate outlet locations (Outlet #1B and Outlet #2B) and two main outlet locations (Outlet #1 and Outlet #2). Water quantity controls are required to ensure post-development peak flows do not exceed pre-development rates at all drainage outlets;
- Water quality controls must be provided to satisfy the MECP SWM Planning and Design Manual. "Enhanced" water quality protection, corresponding to 80% long-term total suspended solids (TSS) removal, is required;
- In accordance with LSRCA policies, any projects meeting the definition of 'major development' are required to meet the volume control requirements as outlined in Section 2.2.2 of the LSRCA Technical Guidelines (2016). As such, best efforts must be demonstrated to infiltrate, filter or re-use the 25 mm storm event runoff from impervious areas on site;
- In accordance with policies outlined in the Lake Simcoe Protection Plan (LSPP), any projects designated as 'major development' must demonstrate that best efforts have been made to minimize changes in water balance due to the proposed development through the completion of a water balance assessment;
- Also in accordance with LSRCA requirements, the site will be subject to the Lake Simcoe Phosphorous Offsetting Policy (LSPOP) which required all 'major development' projects to control 100% of the phosphorous generated from the site. Any remaining phosphorous loadings that cannot be mitigated will be subject to a cash-contribution for off-site mitigation; and
- Siltation and erosion control measures are required. An outline of the expected controls to be implemented during all construction activities will be provided.

6.2 PRELIMINARY SWM PLAN

The preliminary SWM plan for the site utilizes a treatment train approach to provide the required SWM controls for the development. Two SWM facilities, advanced treatment units and infiltration features will be implemented to provide the required water quality controls, water quantity



controls and mitigate changes in water balance, runoff volumes and phosphorous loadings due to the proposed development. Water quantity controls will also be provided by Pond 'A'.

6.2.1 Hydrology Subwatershed Drainage Diversions

Best efforts have been provided to maintain existing drainage boundaries. However, due to the proposed site plan and grading constraints, the total drainage area contributing to the Barrie Creeks Subwatershed will marginally increase by 2.46 ha to 189.1 ha. The total drainage area contributing to the Lovers Creek Subwatershed marginally decreases by 2.46 to 44.7 ha. As such, there is not expected to be any negative impact to the function and condition of the Subwatersheds due to this necessary drainage diversion, considering the significant drainage areas which contribute to these creeks.

6.2.2 Outlet #1B – Whiskey Creek at Bryne Drive

Three site catchment areas (201, 203 and 204) and 16 external catchment areas (301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 314, 315, 316 and 317) contribute to Outlet #1B.

Catchment 201 is approximately 5.6 ha and consists of medium density townhouse blocks, low density semi-detached dwelling units, high density mid-rise apartment blocks, a hydro easement and local roads. Runoff from Catchment 201 will be collected via storm sewers and overland flow routes and outlet to Pond 'A'. Catchment parameters including total impervious area (TIMP) and directly connected impervious area (XIMP) have been established based on review of Table 7.6 of the City's Storm Drainage and Stormwater Management Policies and Design Guidelines and engineering judgement. TIMP and XIMP values of 60% and 40% have been applied to Catchment 201.

Catchments 203 and 204 are approximately 1.6 ha and 1.7 ha, respectively, and are comprised of mid-rise apartment blocks. Runoff from Catchment 203 and 204 will be collected by an internal storm sewer system and ultimately discharge to Pond 'A'. TIMP and XIMP values of 80% have been applied which accounts for internal parking areas and considers that 100% of impervious areas are directly connected, and therefore, is conservative.

All external catchments except for Catchments 314 and 317 are relatively undisturbed under proposed conditions and therefore maintain the same parameters. Detailed catchment details for 314 and 317 are provided in Appendix D.

Similar to existing conditions, peak flows at Outlet #1B are represented by AddHyd Node 909.

6.2.3 Outlet #1 – Whiskey Creek at Highway 400

In addition to the above, two site catchment areas (208 and 209) and four external catchment areas (313, 318, 319 and 329) contribute to Outlet #1. Catchment 208 is a SWM block,



approximately 1.1 ha which will contain a dry pond SWM facility (SWM Facility #2). TIMP and XIMP values of 49% have been applied to account for the pond access road and a permanent water surface which is therefore conservative. 100% of impervious area in Catchment 208 is assumed to be directly connected. Outflows from Catchment 208 will discharge to Whiskey Creek. Catchment 209 is approximately 10.1 ha and comprised of seven employment blocks and a local road. Runoff from Catchment 209 will be collected via storm sewers, swales and overland flow routes and be conveyed to SWM Facility #2. TIMP and XIMP values of 80% have been applied which accounts for surface parking and additional hardscape areas and considers that 100% of impervious areas are directly connected, which is considered conservative.

One additional external Catchment area (329) has been delineated in the proposed condition to include the 30.0 m future road widening of Highway 400. All other previously delineated external catchment areas remain unaffected by the proposed development. Detailed catchment information for Catchment 329 is provided in Appendix D.

Peak flows at Outlet #1 are represented by AddHyd Node 912.

6.2.4 Outlet #2B – Lovers Creek at Bryne Drive

Four site catchment areas (202, 205, 206 and 207) and eight external catchment areas (320, 321, 322, 323, 324, 325, 326 and 327) contribute to Outlet #2B. Catchment 202 is approximately 2.5 ha and consists of low density semi-detached dwelling units, medium density townhouse blocks, a hydro easement and 18.0 m road allowances. Similarly, to Catchment 201, TIMP and XIMP values of 60% and 40% have been applied. Runoff from Catchment 202 will drain via storm sewers, road right-of-ways and an overland flow route to a hybrid SWM facility (SWM Facility #1) located in Catchment 206. Catchment 205 is approximately 0.8 ha and consists of a park block. Runoff from Catchment 205 will flow overland into SWM Facility #1. As mentioned, Catchment 206 is approximately 0.7 ha and will contain a hybrid SWM facility and will outlet directly to Lovers Creek. TIMP and XIMP values of 42% have been applied to Catchment 206 to account for the pond access road and the permanent water surface. 100% of impervious area in Catchment 206 is assumed to be directly connected. Catchment 207 is approximately 1.1 ha and comprised of an undisturbed natural area and main branch of Lovers Creek. Detailed catchment information is provided in Appendix D.

All external catchments are undisturbed under proposed conditions and therefore maintain the same catchment parameters.

Under proposed conditions, peak flows at Outlet #2B are represented by AddHyd Node 916.

6.2.5 Outlet #2 – Lovers Creek at Highway 400

One site catchment area (211) and one external catchment area (326) contribute to Outlet #2. Catchment 211 is approximately 2.8 ha and is represented by Block 67. TIMP and XIMP values of 80% have been applied which assumes that 100% of all impervious area is directly connected, and is, therefore, conservative. Outflows from Catchment 211 will outlet to Lovers Creek.

External catchment area 326 has been re-delineated to include external area, the eastern portion of the Lovers Creek corridor extending through the site and the future 30.0 m Highway 400 widening. Detailed catchment information is provided in Appendix D.

A route channel routine (Node 509) has been applied to lag to hydrograph and mimic the time required for flows to be conveyed through Lovers Creek to Outlet #2.

Under proposed conditions, peak flows at Outlet #2 are represented by AddHyd Node 918.

7 Water Quantity Controls

7.1 LOVERS CREEK SUBWATERSHED

As mentioned, primary water quantity control of site runoff within the Lovers Creek Subwatershed will be provided by a hybrid SWM facility (SWMF#1) located in Block 73, upstream of Outlet #2B. Additional water quantity control will be provided by an underground infiltration cell (SWMF #3) located within Block 67, upstream of Outlet #2.

Per review of Appendix B of LSRCA *SWM Guidelines*, infiltration features may be used to reduce peak flows provided the site exhibits characteristics that reflect its long-term suitability for the use of infiltration measures. As the site is comprised of HSG A soils, the infiltration rate of the native soils is greater than 15 mm/hour and high groundwater levels will be a minimum of 1.0 m below the base of the proposed infiltration features, the site is eligible for infiltration credit for peak flow control. As such, SWM facility #1 has been designed to consider peak flow attenuation due to infiltration within the bioretention cell of the facility. To be conservative, until more information about the employment blocks is provided, infiltration credit has not been applied to the underground infiltration cell located within Block 67.

Preliminary design details and operating characteristics of SWMF#1 are provided below while additional details will be provided at detailed design.

7.1.1 SWM Facility #1

SWMF#1 is a hybrid SWM facility comprised of a forebay, wetland cell and bioretention cell which will provide water quantity and quality controls for approximately 3.9 ha of site drainage area.

It is noted that per STEP LID design requirements, the maximum ponding depth allowed within a bioretention feature is 0.60 m. As such, SWMF#1 has been designed to pond to a maximum depth of 0.60 for the 1:2-year through 1:100-year storm events.

A DivertHyd routine (Node 801) has been used to model the infiltration of frequent storm event runoff into the bioretention cell. Water quantity control in excess of the capacity of the bioretention volume, will be provided by the active storage cells. Attenuated peak flows will then ultimately flow into Lovers Creek. Surface runoff will be conveyed into SWMF#1 via a combination of storm sewers, swales and overland flow routes.

A summary of pond characteristics including peak flow discharge rates, storage volumes and equivalent water surface elevations for the 4-Hour CHI and 24-Hour SCS design storms are provided in Table 5 below while additional model results are provided in Appendix E.

Table 5: SWM Facility #1 Operating Characteristics Summary

STORM	DISCHARGE (m^3/s) (NODE #405)		STORAGE VOLUME (m^3)		WATER ELEVATION (m)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.00		325		301.64	
1:2-year	0.003	0.006	549	723	301.74	301.82
1:5-year	0.011	0.023	800	956	301.85	301.91
1:10-year	0.021	0.044	940	1,114	301.91	301.98
1:25-year	0.039	0.080	1,071	1,327	301.96	302.06
1:50-year	0.052	0.111	1,170	1,494	302.00	302.12
1:100-year	0.070	0.142	1,270	1,663	302.04	302.18
Regional (Hazel)	0.38		2,079		302.33	

Detention and release rates from SWMF#1 will be governed by a two-stage outlet control. Peak flow attenuation of frequent storm events will be governed by the infiltration rate of the native soil. Based on preliminary findings of *Hydrogeological Investigation*, native soil infiltration rates surrounding SWMF#1 are estimated to range between 13 mm/hr to 82 mm/hr. As such, an approximate average infiltration rate of 50 mm/hr has been assumed. Applying a factor of safety of 2.5, a design infiltration rate of 20 mm/hr has been applied to model the seepage rate through native soil. Infrequent storm events will be governed by a 450 mm dia. PVC storm sewer at elevation 301.78 m.

The total water quantity volume required to control the 1:100-year storm event is 1,663 m^3. As the SWM facility provides a total active storage volume of 3,641 m^3 at the top of the pond (elevation 302.80) the 1:100-year quantity storage volume is provided within the pond at an approximately depth of 0.60 m resulting in a minimum 0.60 m of freeboard. An emergency overflow weir will be provided at elevation 302.20 m to provide safe conveyance of the uncontrolled peak flow out of the pond in the event the outlet structure becomes blocked.

Preliminary design details of SWM Facility #1 are summarized below:

- Bottom of forebay: 300.10 m;
- Bottom of wetland: 301.30 m;

- Bottom of bioretention cell: 300.60 m;
- Top of Pond: 302.80 m;
- 5:1 side slopes;
- 5.0 m wide access road;
- Total permanent pool volume of 782 m^3 at 301.60 m;
- Total extended detention storage of 325 m^3 at 301.66 m;
- Total active storage of 1,663 m^3 at emergency overflow weir sill, elevation 302.20 m;
- Total active storage volume of 3,641 m^3 at 302.80 m; and
- Total infiltration volume of 249 m^3 at 301.60 m.

The emergency overflow weir has been designed to provide safe conveyance of the uncontrolled peak flow into the pond (Node 913), in the event the outlet structure becomes blocked. The uncontrolled peak flow occurs during the 1:100-year 6 Hour SCS design storm at a rate of 0.87 m^3/s. As such, a trapezoidal overflow weir with a bottom width of 1.35 m, 10:1 side slopes provides conveyance capacity of 0.90 m^3/s at elevation 302.50 m providing 0.30 m of freeboard.

The forebay is expected to be lined to avoid groundwater interaction. Preliminary design details of SWMF#1 are depicted on GP-1 provided in Appendix I.

The design of the proposed SWM facility will be further advanced and refined during the detailed design process.

Outlet Design

Peak flows from SWMF#1 will outlet to Lovers Creek via a 450 mm dia. PVC storm sewer and rip-rap splash pad.

7.1.2 SWM Facility #3

SWM Facility #3 will be required to provide peak flow attenuation for Catchment 211. SWM Facility #3 must provide up to 1,100 m^3 of quantity storage volume to attenuate peak flows to a maximum unit release rate of 148 L/s/ha under the 1:100-year 6-hour SCS design storm. Surface runoff will be pretreated and then conveyed into SWM Facility #3 via a network of internal storm sewers within the development block.

An underground infiltration cell, designed to provide 272 m^3 of infiltration volume, equivalent to the 12.5 mm runoff volume from impervious surfaces will be provided in Catchment 211.

Additional details will be provided during detail design.

7.2 BARRIE CREEKS SUBWATERSHED

Water quantity controls for the portion of site area contributing to the Barrie Creeks Subwatershed will be provided by Pond 'A' and a new dry pond SWM facility (SWM Facility #2) located in Block 72.

As mentioned, the site is eligible for infiltration credit for peak flow control. However, to be conservative, until more information about the employment blocks is available, peak flow attenuation by the proposed infiltration features in each employment block has been excluded. As such, SWM Facility #2 has been designed to provide sufficient peak flow attenuation exclusive of any infiltration features.

Preliminary design details and operating characteristics of each SWM facility is provided below while additional details will be provided at detailed design.

7.2.1 Pond 'A'

Site runoff will be conveyed into Pond 'A' via a combination of storm sewers, swales and a 6.0 m wide overland flow route located within Block 58, bypassing the Stolp Pond. Under proposed conditions, Pond 'A' will provide water quantity controls for approximately 122.3 ha of drainage area, of which, 8.9 ha with an imperviousness of 68% is from the subject site. Considering 24.5 ha with an imperviousness of 58% of the subject lands was accounted for in the original design of Pond 'A', as mentioned previously, the Pond 'A' is understood to have sufficient capacity to provide the required water quantity controls for Catchments 201, 203 and 204.

A summary of operating characteristics including storage volumes, release rates and water surface elevations for the 4-Hour CHI and 24-Hour SCS design storms is provided in Table 6 below.

Table 6: Proposed Condition Pond 'A' Operating Characteristics Summary

STORM	DISCHARGE (m^3/s) (NODE #4011)		STORAGE VOLUME (m^3)		WATER ELEVATION (m)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.59 *(0.34)*		710 *(405)*		291.18 *(291.00)*	
1:2-year	0.71 *(0.68)*	0.88 (*0.85)*	1,615 *(1,184)*	4,502 *(3,811)*	291.41 *(291.30)*	292.14 *(291.96)*
1:5-year	0.98 *(0.95)*	1.07 *(1.05)*	8,022 *(6,764)*	13,815 *(12,736)*	293.03 *(292.71)*	293.69 *(293.58)*
1:10-year	1.07 *(1.04)*	1.15 *(1.14)*	13,645 (12,029)	21,123 *(19,721)*	293.68 *(293.51)*	294.42 *(294.31)*
1:25-year	1.15 *(1.13)*	1.24 *(1.23)*	21,440 (19,440)	31,476 *(29,823)*	294.44 *(294.29)*	295.17 *(295.06)*
1:50-year	1.21 *(1.19)*	1.29 *(1.28)*	27,396 (25,189)	39,707 *(37,901)*	294.89 *(294.72)*	295.67 *(295.55)*
1:100-year	1.25 *(1.24)*	1.34 *(1.34)*	33,690 (31,269)	48,248 *(46,268)*	295.30 *(295.15)*	296.15 *(296.03)*
Regional (Hazel)	10.50 *(10.12)*		81,749 *(81,319)*		297.72 *(297.70)*	

Note 1: values in *(italics)* represent existing condition peak flow rates, water surface elevations & storage volumes

As shown, under proposed conditions, peak flows from Pond 'A' are marginally higher than existing conditions. However, based on our review of Hatch's 2018 SWM report, for the 1:100-year 24-Hour SCS design storm, the peak outflow from Pond 'A' was determined to be 1.41 m^3/s at a water surface elevation of 296.85 under proposed conditions. As such, considering the proposed 1:100-year 24-Hour SCS peak flow is 1.34 m^3/s at a water surface elevation of 296.15, Pond 'A' has sufficient capacity to provide water quantity control for the site and the proposed downstream infrastructure, designed by Hatch, is adequately sized to convey peak flows. It should also be noted that the Regional Storm generates a volume of 81,749 m^3 at elevation 297.72 m and the top of pond elevation is 298.30 m. 0.58 m of freeboard is provided which exceeds the minimum requirement of 0.30 m.

7.2.2 SWM Facility #2

SWM Facility #2 is a proposed dry pond SWM facility which will provide water quantity controls for approximately 11.2 ha of site drainage area. Surface runoff will be conveyed into SWM Facility #2 via a combination of storm sewers, swales and overland flow routes.

A summary of operating characteristics including storage volumes, release rates and water surface elevations for the 4-Hour CHI and 24-Hour SCS design storms are provided in Table 7 below. Design details are provided for all storm events in Appendix E.

Table 7: SWM Facility #2 Operating Characteristics Summary

STORM	DISCHARGE (m^3/s) (NODE #405)		STORAGE VOLUME (m^3)		WATER ELEVATION (m)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.02		1,906		290.42	
1:2-year	0.040	0.076	2,862	3,241	290.61	290.68
1:5-year	0.113	0.211	3,549	4,224	290.74	290.86
1:10-year	0.175	0.321	3,992	4,873	290.82	290.98
1:25-year	0.265	0.478	4,554	5,683	290.92	291.12
1:50-year	0.335	0.607	4,951	6,307	290.99	291.23
1:100-year	0.416	0.740	5,367	6,925	291.07	291.33
Regional (Hazel)	1.21		7,621		291.44	

The detention and release rates for SWM Facility #2 will be governed by two-stage control. Frequent storm events will be controlled via a 125 mm dia. orifice plate located at elevation 290.00 m in control maintenance structure #1 (CNTRLMH #1). Infrequent storm events will be controlled by a 0.60 m wide rectangular weir at elevation 290.55 m in CNTRLMH #1. The total water quantity volume required to control the 1:100-year design storm is 6,925 m^3. As the SWM facility provides a total volume of 11,324 m^3, the 1:100-year quantity storage volume is provided within the pond at an approximately depth of 1.4 m resulting in 0.60 m of freeboard. An emergency overflow weir will be provided at elevation 291.40 m to provide safe conveyance of the uncontrolled peak flow in the event the outlet structure becomes blocked.

Preliminary design details of SWM Facility #2 are summarized below:

- Bottom of SWM facility: 290.00 m;
- Top of pond: 292.00 m;
- 4:1 side slopes;
- 5.0 m wide access road; and



- Total storage volume of 11,324 m^3.

The emergency overflow weir has been designed to provide safe conveyance of the uncontrolled peak flow into the pond (Node 911), in the event the outlet structure becomes blocked. The uncontrolled peak flow occurs during the 1:100-year 4 Hour Chicago design storm at a rate of 4.25 m^3/s. As such, a trapezoidal overflow weir with a bottom width of 14.9 m, 10:1 side slopes provides conveyance capacity of 4.30 m^3/s at elevation 291.70 providing 0.30 m of freeboard.

A pond liner is not expected to be required as the facility is a dry pond and sufficient clearance to the high groundwater elevation is provided. Preliminary design details of SWMF#2 are depicted on GP-2, appended.

The design of the proposed SWM facility will be further advanced and refined during the detailed design process.

Outlet Design

Discharge from SWM Facility will outlet to Whiskey Creek via a 750 mm dia. storm sewer and rip-rap splash pad above the 1:100-year flood elevation.

7.3 PEAK FLOW SUMMARY

7.3.1 Barrie Creeks Subwatershed

Peak flow attenuation provided by Pond 'A' and SWM Facility #2 ensure post-development peak flow rates at Outlet #1 are less than or equal to pre-development rates for all storms. A summary of existing and proposed conditions peak flow rates at Outlet #1B and Outlet #1 is provided in Table 8.

Table 8: Proposed Conditions Peak Flow Summary - Barrie Creeks Subwatershed

STORM	OUTLET #1B (m^3/s)		OUTLET #1 (m^3/s)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.81 *(0.59)*		0.84 *(0.63)*	
1:2-year	1.321 *(1.230)*	1.454*(1.382)*	1.396 *(1.382)*	1.626 *(1.699)*
1:5-year	1.708 *(1.603)*	2.084 *(2.036)*	1.881 *(1.926)*	2.525 *(2.641)*
1:10-year	1.977 (*1.864)*	2.551 *(2.504)*	2.256 *(2.321)*	3.180 *(3.347)*
1:25-year	2.389 *(2.315)*	3.189 (*3.157)*	2.854 *(2.994)*	4.106 *(4.335)*
1:50-year	2.742 *(2.669)*	3.722 *(3.690)*	3.335 *(3.494)*	4.870 *(5.142)*
1:100-year	3.117 *(3.049)*	4.242 *(4.214)*	3.837 (*4.032)*	5.638 *(5.950)*
Regional (Hazel)	18.42 *(18.38)*		21.36 *(21.32)*	

Note: Values in (italics) represent pre-development peak flow rates.
Note: AMC III conditions have been applied to the Regional Hurricane Hazel model as per LSRCA requirements.

As shown, due to the proposed development and the marginal increase in drainage area to Outlet #1B, post-development peak flow rates are marginally higher than existing conditions. However, as peak flows at Outlet #1 are less than existing conditions for all storm events except for the 1:2-year Chicago return period, no adverse impacts with respect to local surface water conditions are expected to occur due to the proposed development. As mentioned, peak flows at Outlet #1 do not reflect additional peak flow attenuation provided by the proposed lot-level infiltration controls within the employment blocks and mid-rise blocks which, when considered, are expected to provide peak flow matching for all storm events.

Finally, it is noted that based on review of Tables 3-3 and 4-2 in Hatch's 2018 SWM report, their proposed conditions peak flows at HYD 251 exceed existing condition peak flows and at HYD254 also almost matched existing condition peak flows for the minor storm events and therefore, sufficient peak flow attenuation is provided for the Barrie Creeks Subwatershed.

7.3.2 Lovers Creek Subwatershed

Peak Flow attenuation provided by SWM Facility #1 and SWM Facility #3 ensure post-development peak flow rates are less than or equal to pre-development rates for all storm events. A summary of existing and proposed conditions peak flow rates at Outlet #2B and Outlet #2 is provided in Table 9.

Table 9: Proposed Conditions Peak Flow Summary - Lovers Creeks Subwatershed

STORM	OUTLET #2B (m^3/s)		OUTLET #2 (m^3/s)	
	4-HR CHI	24-HR SCS	4-HR CHI	24-HR SCS
25 mm 4-hr Chicago	0.08 *(0.08)*		0.13 *(0.16)*	
1:2-year	0.173 *(0.173)*	0.175 (*0.185)*	0.246 *(0.327)*	0.312 *(0.357)*
1:5-year	0.237 *(0.238)*	0.252 *(0.295)*	0.375 *(0.450)*	0.519 *(0.553)*
1:10-year	0.282 *(0.285)*	0.314 *(0.368)*	0.477 *(0.540)*	0.672 *(0.694)*
1:25-year	0.339 *(0.343)*	0.427 *(0.461)*	0.621 *(0.655)*	0.869 *(0.922)*
1:50-year	0.380 *(0.386)*	0.515 *(0.540)*	0.721 *(0.742)*	1.022 *(1.097)*
1:100-year	0.421 *(0.436)*	0.684 (*0.756)*	0.830 *(0.845)*	1.175 *(1.275)*
Regional (Hazel)	4.70 *(4.65)*		5.77 *(5.59)*	

Note: Values in (italics) represent pre-development peak flow rates.
Note: AMC III conditions have been applied to the Regional Hurricane Hazel model as per LSRCA requirements.

As shown, sufficient peak flow attenuation is provided to ensure post-development peak flow rates are less than or equal to existing peak flow rates for all storms. As mentioned, peak flow rates at Outlet #2 do not reflect additional peak flow attenuation provided by the proposed lot-level infiltration control within Catchment 211 which is expected to ensure peak flow matching for all storm events.

7.4 MINOR FLOW CONVEYANCE

Minor storm event runoff up to and including the 1:5-year event, from the subject site, will be collected by a network of storm sewers and drainage swales and be conveyed to one of the existing or proposed SWM facilities. Preliminary layout of the proposed storm sewer network and contributing minor drainage catchments is illustrated on the Storm Catchment Plan (Drawing STM-1) provided in Appendix I. Additional details will be provided at the detailed design stage.

7.5 MAJOR FLOW CONVEYANCE

Major storm event runoff will be conveyed within the road allowance and overland flow routes to the proposed SWM facilities. 6.0 m wide overland flow routes are located within Blocks 78, 72 and 58. During detailed design, safe conveyance of the uncontrolled peak flow within proposed overland flow route blocks will be confirmed through hydraulic analyses.



8 Water Quality Control

8.1 OVERALL STORMWATER QUALITY CONTROL PLAN

Enhanced Level water quality treatment, corresponding to 80% TSS removal, must be achieved within developed areas of the site. Water quality treatment will be provided via treatment train and has been quantified at each outlet for each Subwatershed. Treatment trains will be comprised of membrane filter units (Jellyfish), Canadian Environmental Technology Verification (CAETV) oil grit separator (OGS) units, LID features including bioretention cells and infiltration features. Additional treatment will be provided via the dry pond function of Pond 'A' and SWM Facility #2.

Treatment train calculations utilize TSS removal rates per Table 3.2 of the MECP *SWM Planning and Design Manual*, LID TTT and the STEP Wiki. As the hydrologic catchments (described above) will be provided with varying levels of water quality treatment, distinct water quality catchment areas have been delineated (Catchment 901 to 909) as shown on Drawing WQ-1 provided in Appendix I. It is also noted that as Catchments 904, 905 and 908 contain the Lovers Creek and Whiskey Creek corridors which will remain pervious and relatively undisturbed by the proposed development and, as such, water quality controls are not required for these areas.

Discussion of the water quality control plan for each Subwatershed is provided below.

8.2 BARRIE CREEKS SUBWATERSHED

A total TSS removal efficiency rate of 91% is provided for developed areas within the Barrie Creeks Subwatershed. A brief summary of proposed water quality controls at each outlet location is described below.

8.2.1 Outlet #1B

Primary water quality controls for Catchment 901 will be provided via a series of CAETV Jellyfish filter units and CAETV OGS units which have a corresponding TSS removal efficiency rate of up to 87% and 60% respectively. Residential lands will be treated by a series of Jellyfish filter units. One OGS unit and lot-level infiltration feature will be provided within each mid-rise block (Blocks 58 and 59). Lot-level infiltration features will be required to achieve a total infiltration volume within each block of 379 m^3 respectively. In addition, although not required to achieved enhanced level water quality controls, minor water quality control is anticipated to be provided via Pond 'A'. Preliminary locations of the proposed Jellyfish units on public lands are provided on Drawing STM-1, provided in Appendix I.

As such, the combined TSS removal efficiency rate at Outlet #1B is 88%.



8.2.2 Outlet #1

Enhanced level water quality controls for Catchment 906 and 907 will be provided via a treatment train comprised of lot-level infiltration features, OGS units and SWM Facility #2.

Lot-level infiltration-based features will be required within each employment block to achieve a total infiltration volume of approximately 1,077 m^3. In addition, considering the site is located within an SGRA, pretreatment of runoff from surfaces other than rooftop and landscape areas is required. As such, considering the TSS removal efficiency rate of infiltration features is 75%, a conventional CAETV certified OGS unit has an average TSS removal efficiency rate of 60%, and a dry pond SWM facility has a TSS removal efficiency of 60%, a combined TSS removal efficiency rate of 92% is achieved.

Extended Detention – SWM Facility #2

Per City and MECP standards for dry SWM facilities, extended detention is provided by detaining the greater of; the runoff volume generated from Table 3.2 of the *SWM Planning and Design Manual* for basic level treatment or the 25 mm 4-Hour Chicago design storm between 24 and 48 hours. As such based on a drainage area of 11.2 ha and an overall imperviousness of 77%, the governing volume, generated from Table 3.2 of the MECP SWM Planning and Design Manual, is 2,417 m^3, which occurs at elevation 290.52 m a depth of 0.52 m. Detailed calculations are provided in Appendix F.

The 125 mm dia. orifice plate provides a drawdown time of 47.44 hours utilizing the falling head equation per Equation 4.10 from the *SWM Planning and Design Manual* and is therefore sufficient. Detailed orifice drawdown calculations are provided in Appendix F.

Treatment train calculations are provided in Appendix F to demonstrate that basic level water quality controls, corresponding to 60% TSS removal is provided by SWM Facility #2. Therefore, a combined TSS removal efficiency rate of 87% is provided at Outlet #1.

Additional details will be provided at detail design.

8.3 LOVERS CREEK SUBWATERSHED WATER QUALITY CONTROL PLAN

A total TSS removal efficiency rate of 96% is provided for developed areas within the Lovers Creek Subwatershed. A brief summary of proposed water quality controls at each outlet location is described below.

8.3.1 Outlet #2B

Primary water quality controls for Catchment 902 and 903 will be provided via treatment train comprised of a forebay and bioretention feature as part of SWM Facility #1. Site runoff will be

pretreated by the forebay cell and spill into the wetland cell and bioretention cell. The bioretention cell will be 1.0 deep and comprised of a filter media mix with a minimum porosity of 40%, a chocker layer and have a maximum ponding depth during the 1:100-year storm of 0.60 m.

Considering the bioretention cell has a TSS removal efficiency rate of 75% and a wet pond facility has a TSS removal efficiency rate of 80%, a combined TSS removal rate of 95% is anticipated to be achieved at Outlet #2B and sufficient water quality controls are provided.

The base of the bioretention cell will be located 1.0 m above the high groundwater table, at minimum.

Preliminary sizing calculations are provided in Appendix F while additional details will be provided at the detail design stage.

8.3.2 Outlet #2

Water quality controls for Catchment 909 will be provided via treatment train comprised of an CAETV certified oil grit separator (OGS) unit and an infiltration-based LID feature. Due to the site's extension into an SGRA, prior to infiltration, treatment of runoff from surfaces other than rooftops and pervious areas is required. As such, the OGS unit will be designed to provide up to 60% TSS removal.

The infiltration feature will provide 272 m^3 of infiltration volume and has a corresponding TSS removal efficiency rate of up to 75%. Therefore, a combined TSS removal rate of 90% is achieved.

The base of the infiltration feature will be located 1.0 m above the high groundwater table, at minimum.

9 Runoff Volume Control and LID Features

In accordance with LSRCA policies, any works meeting the definition of 'major development' are required to meet the volume control requirements as outlined in Section 2.2.2 of the LSRCA 2016 *SWM Guidelines*.

Using the City's LID design guidelines and available screening tools, the LID plan for the development has been established. The following LID practices are proposed:

- lot-level controls in Catchment 907 and 909; and
- bioretention cell in Catchment 903;

Based on site conditions and land use availability, it has been determined it is not feasible to infiltrate the entire 25 mm storm from the proposed development. As per Section 2.2.2.2 of the LSRCA *SWM Guidelines*, we have evaluated the proposed development with respect to flexible treatment alternatives for sites with restrictions. The proposed development is constrained by the following restrictions, which are listed in Section 2.2.2.2:

- high groundwater;
- proximity to a SGRA;
- zoning, setbacks or other land use requirements;
- property or infrastructure restrictions; and
- excessive cost.

Tables 10 and 11 provides a summary of the infiltration requirements for each Subwatershed for each of the flexible treatment alternatives that is listed in Section 2.2.2.2.

Table 10: LSRCA Volume Control Requirements – Barrie Creeks Subwatershed

ALTERNATIVE	VOLUME CONTROL REQUIREMENT	TOTAL AREA (ha)	TOTAL IMPERVIOUS AREA (ha)	VOLUME REQUIREMENT (m^3)
Preferred Requirement (No Constraints)	25 mm rainfall event from the total area	23.77	14.67	3,668
Alternative #1 (With Constraints)	12.5 mm rainfall event from the total area	23.77	14.67	1,834
Alternative #2 (With Constraints)	Minimum 5 mm rainfall event from the total impervious area	23.77	14.67	734

Table 11: LSRCA Volume Control Requirements – Lovers Creek Subwatershed

ALTERNATIVE	VOLUME CONTROL REQUIREMENT	TOTAL AREA (ha)	TOTAL IMPERVIOUS AREA (ha)	VOLUME REQUIREMENT (m^3)
Preferred Requirement (No Constraints)	25 mm rainfall event from the total area	9.48	4.09	1,023
Alternative #1 (With Constraints)	12.5 mm rainfall event from the total area	9.48	4.09	511
Alternative #2 (With Constraints)	Minimum 5 mm rainfall event from the total impervious area	9.48	4.09	205

9.1 RUNOFF VOLUME APPROACH

LID features will be implemented to achieve runoff volume control of the 12.5 mm storm event from all impervious areas within each Subwatershed. As such, 1,834 m^3 of infiltration volume will be provided within Catchments 901 and 907 to provide runoff volume control for the Barrie Creeks Subwatershed. 511 m^3 of infiltration volume will be implemented within Catchments 903 and 909 to provide runoff volume control for the Lovers Creek Subwatershed. A brief summary of provided runoff volume controls is provided in Tables 12 and 13 while preliminary details of the LID features are provided below.

In addition, although not detailed above, or included in the volume control calculations, where possible, townhouse and semi-detached buildings will have their roof downspouts discharge to

pervious areas, which will further promote infiltration volumes which are not included in the above-mentioned totals.

Table 12: Provided Runoff Volume Controls - Barrie Creeks Subwatershed

PROPOSED CONTROL	DRAINAGE AREA (ha)	IMPERVIOUS DRAINAGE AREA (ha)	FACILITY TYPE	RUNOFF VOLUME CONTROL PROVIDED (m^3)
Lot-Level Controls	13.45	10.76	Infiltration	1,834
Total				**1,834**

Table 13: Provided Runoff Volume Controls - Lovers Creeks Subwatershed

PROPOSED CONTROL	DRAINAGE AREA (ha)	IMPERVIOUS DRAINAGE AREA (ha)	FACILITY TYPE	RUNOFF VOLUME CONTROL PROVIDED (m^3)
Bioretention Cell	3.94	1.91	Infiltration	240
Lot-Level Controls	2.72	2.18	Infiltration	272
Total	**6.66**	**4.09**		**511**

9.1.1 Bioretention Cell – Catchment 903

As mentioned, a bioretention cell will be implemented in Block 73 and will provide up to 240 m^3 of single event infiltration volume from 1.9 ha of impervious area which is approximately equivalent to the 12.5 mm storm event. Preliminary sizing of the practice has been completed utilizing the STEP requirements as discussed above. The approximate depth of the practice will be 1.0.

9.1.2 Lot-level Controls – Catchments 901, 907 and 909

As discussed previously, infiltration-based lot-level controls are proposed within each employment block and mid-rise block. Approximately 757 m^3 of infiltration volume is anticipated to be provided in Catchment 901 while 1,077 m^3 of infiltration volume will be provided in Catchment 907 to provide up to 12.5 mm of runoff volume control for the entire 14.8 ha of impervious area within the Barrie Creeks Subwatershed. Approximately 272 m^3 of infiltration volume is anticipated to be provided in Catchment 909 for water quantity and water balance mitigation, which considering an impervious area of 2.2 ha, is approximately equivalent to the 12.5 mm storm event.

10 Water Balance

In accordance with LSPP, it must be determined the best efforts have been made to mitigate changes in water balance due to the proposed development. As such, a preliminary water balance assessment, in support of the proposed development, has been completed by WSP as part of their Hydrogeological investigation. As part of their investigation, annual infiltration and runoff volumes were calculated for each Subwatershed under existing and proposed conditions. A summary of their findings is provided below while additional details are provided in the original report provided under a separate cover.

A preliminary water balance was also completed by Tatham in support of the proposed infiltration measures and runoff volume control to confirm the require single-event infiltration volumes and is provided in Appendix G.

10.1 EXISTING CONDITIONS

Under existing conditions, for the Barrie Creeks Subwatershed, the total estimated infiltration volume is 55,420 m^3/year. The total estimated runoff volume is 34,346 m^3/year. For the Lovers Creek Subwatershed, the total estimated infiltration volume is 39,948 m^3/year while the total runoff volume is 25,023 m^3/year.

10.2 PROPOSED CONDITIONS – NO RECHARGE MITIGATION

Under proposed conditions, for the Barrie Creeks Subwatershed, the total unmitigated infiltration volume is 13,860 m^3/year while the total estimated runoff volume is 160,787 m^3/year. For the Loves Creek Subwatershed, the total unmitigated infiltration volume is 13,555 m^3/year while the total estimated runoff volume is 68,748 m^3/year. As such, due to the proposed development, there is a deficit in infiltration volume of 41,560 m^3/year in the Barrie Creeks Subwatershed and 26,383 m^3/year in the Lovers Creeks Subwatershed, if left unmitigated.

10.3 PROPOSED CONDITIONS – WITH RECHARGE MITIGATION

As noted, infiltration measures are proposed in both the Lovers Creek and Barrie Creeks Subwatersheds to address the volume control requirements and maintain water balance on-site. It is noted that based on historical climate data between 1981 to 2010 for the Barrie WPCC station, the 12.5 mm storm event was determined to account for approximately 80% of the total average annual precipitation depth. As such, in the Barrie Creeks Subwatershed, 48,934 m^3/year of additional infiltration volume will infiltration into the underlying soil through the proposed lot-level controls in Blocks 60 to 66, increasing the total infiltration volume to 62,285 m^3/year, thereby mitigating the infiltration deficit. In the Lovers Creek Subwatershed, 48,934 m^3/year of

additional infiltration volume will infiltrate into the underlying soil though the proposed bioretention cell and lot-level control in Blocks 73 and 67 respectively, increasing the total infiltration volume to 62,595 m^3/year, thereby mitigating the infiltration deficit.

As mentioned, a minimum 1.0 m vertical separation between the base of the proposed infiltration-based LID features and high groundwater table will be provided within the Barrie Creeks and Lovers Creek Subwatersheds to infiltrate runoff generated impervious surfaces. Additional measures may be implemented at the detailed design stage to further mitigate changes in site water balance due to the proposed development.

11 Phosphorous Mitigation

In order to comply with LSPOP requirements, an assessment of the phosphorous loading from the site under proposed conditions has been completed using the loading rates and removal efficiencies from the STEP Low Impact Development Treatment Trail Tool (LID TTT). Phosphorous loadings have been generated for each Subwatershed using water quality catchments 901 to 909 and assessed at Outlets #1B, #1, #2B and #2. As mentioned previously, Catchments 904, 905 and 908 will remain undeveloped and relatively undisturbed by the proposed development and, therefore, have been excluded from phosphorous loading calculations. A summary of findings for each Subwatershed is presented below while additional details are provided in Appendix H.

11.1 BARRIE CREEKS SUBWATERSHED

11.1.1 Outlet #1B

Catchment 901 has been modelled as three land use categories; Paved Surface, Roof, and Landscaped with corresponding phosphorous loading rates of 0.23 mg/L, 0.09 mg/L and 0.32 mg/L respectively. Rooftop areas have been assumed to be 60% of the total impervious area. Applying these loading rates, the post-development phosphorous load is 17.16 kg/year.

Phosphorous mitigation will be provided via a series of CAETV verified filter units (Jellyfish or approved equivalent) which has a removal efficiency rate of approximately 77%.

Therefore, the total annual post-development phosphorous load is reduced to 2.26 kg/year.

Although no accounted for in the model, additional minor phosphorous mitigation is anticipated to be provided via Pond ‘A’.

11.1.2 Outlet #1

Catchment 906 which contains the proposed dry pond (SWM Facility #2) has been modelled as Open Space/Parkland with a loading rate of 0.20 mg/L and Paved Surface to account for the proposed access road. Catchment 907 has been modelled as Paved Surface, Roof, and Landscaped. Similarly, rooftop areas have been assumed to be 60% of the total impervious area. Applying these loading rates, the post-development phosphorous load is 19.42 kg/year.

Phosphorous mitigation will be provided via infiltration-based lot-level controls which will be designed to infiltrate runoff volume from the 12.5 mm storm event which has a corresponding removal efficiency rate of 60%. OGS units have been excluded from the model as they do not provide phosphorous loading mitigation. Additional mitigation will be provided via SWM Facility

#2 which has a corresponding removal efficiency rate of 20%. Therefore, the combined removal efficiency rate is approximately 68%.

Therefore, the total annual post-development phosphorous load is reduced to 1.22 kg/year.

A summary of phosphorous loading rates under the unmitigated post-development and mitigated post-development scenarios for the Barrie Creeks Subwatershed is provided in Table 14 below. Detailed model output is provided in Appendix H.

Table 14: Phosphorous Loading Summary Barrie Creeks

SCENARIO	AREA (ha)	PHOSPHOROUS LOADING (kg/year)
Post-Development (Without Controls)	20.21	36.59
Post-Development (With Controls)	20.21	3.48

11.2 LOVERS CREEK SUBWATERSHED

11.2.1 Outlet #2B

Catchment 902 has been modelled as three land use categories; Paved Surface, Roof and Landscaped and Open Space/ Parkland with corresponding phosphorous loading rates of 0.23 mg/L, 0.09 mg/L, 0.32 mg/L and 0.20 mg/L respectively. For consistency, rooftops have been assumed to be 60% of the total impervious area. Catchment 903 which contains SWM Facility #1 has been modelled as Paved Surface, Open Space/Parkland and Wetland with loading rates of 0.23 mg/L, 0.20 mg/L and 0.81 mg/L. Applying these loading rates, the post-development phosphorous load, without mitigation, is 9.11 kg/year.

Phosphorous mitigation will be provided via SWM Facility #1 which contains a forebay, wetland cell and bioretention cell which has been designed to infiltrate runoff generated by the 12.5 mm storm event. A phosphorous removal efficiency rate of 60% has been applied to represent the forebay and wetland cells while a removal efficiency rate of 25% has been applied to represent mitigation provided by the bioretention cell. As such, the combined removal efficiency rate is 70%. Therefore, the total annual post-development phosphorous load is 1.03 kg/year.

11.2.2 Outlet #2

Catchment 909 has been modelled as Paved Surface, Rooftop and Landscaped. Rooftop areas have also been assumed to be 60% of the total impervious area. Applying these loading rates, the post-development phosphorous load is 5.47 kg/year.

Phosphorous mitigation for Catchment 909 will be provided via an underground infiltration chamber which has a corresponding removal efficiency rate of 60%. Similarly, and OGS may be provided for water quality purposes but has been excluded from the phosphorous mitigation assessment due to negligible benefit.

Therefore, the total annual post-development phosphorous load is reduced to 0.40 kg/year.

A summary of phosphorous loading rates under the unmitigated post-development and mitigated post-development for the Lovers Creek Subwatershed is provided in Table 15 below. Detailed model output is provided in Appendix H.

Table 15: Phosphorous Loading Summary Lovers Creek

SCENARIO	AREA (ha)	PHOSPHOROUS LOADING (kg/year)
Post-Development (Without Controls)	6.88	14.58
Post-Development (With Controls)	6.88	1.43

During detailed design, best efforts will be made to implement additional phosphorous controls to reduce phosphorous loading from the site.

12 Natural Hazard Assessment

Under existing conditions, the subject property is partially located within the existing floodplains of Whiskey Creek and Lovers Creek. A *Natural Hazards Assessment* has been prepared by Tatham Engineering (March 2022) under separate cover to confirm the limits of the existing floodplain and erosion hazards limits. In order to optimize the development blocks within the proposed development, cut/fill is proposed within Lovers Creek (Open Space Block 70) and Whiskey Creek (Open Space Block 69 and SWM Block 72). Refer to the *Natural Hazards Assessment* for additional information.

The proposed SWM facilities respect the floodplain elevations, where required.

13 Siltation and Erosion Control

Siltation and erosion controls will be implemented for all construction activities, including earthworks operations, roadway and service construction, paving, building construction and all grading works. Details of the siltation and erosion control plan will be provided at the detailed design stage, however the following basic features considered to minimize erosion and sedimentation transport will be considered:

- All erosion control measures will be designed in accordance with relevant City, LSRCA and OPSD standards;
- Silt fences are to be constructed prior to commencement of any grading operations;
- Designated construction vehicle entrance(s) with a stone mud mat;
- Temporary swales, sediment control ponds and check dams will be constructed to control runoff during construction by reducing velocities and promoting settlement of particulates;
- heavy duty silt control fences will be erected, prior to commencement of grading operations, to control sediment movement;
- Catchbasins will be provided with filter screens during construction;
- Long term siltation and erosion control will be enhanced with a re-vegetation strategy for disturbed areas; and
- Confine refueling and servicing of equipment sufficiently away from existing drainage systems.

Regular inspection of control measures will be completed through a monitoring and mitigation plan, with regular repairs made as necessary.

14 Summary

This preliminary SWM plan demonstrates how the proposed development will not result in negative impacts with respect to stormwater. The majority of site generated runoff will be directed to a respective SWM facility for water quantity control.

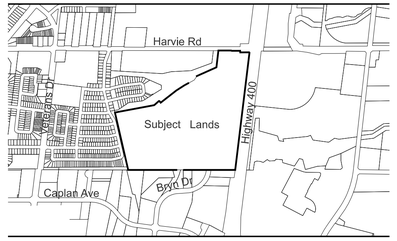
Advanced level water quality controls will be provided via a treatment train comprised of membrane filter units (Jellyfish), lot-level infiltration practices and by SWM Facility #1, SWM Facility #2 and SWM Facility #3. Best efforts will be provided to infiltrate the equivalent 12.5 mm runoff volume from all proposed impervious areas. Best efforts will also be provided to reduce phosphorous loadings due to the proposed development.

Finally, a series of siltation and erosion controls including heavy duty silt fence, mud mat, coir logs, and sediment control ponds will be implemented for all construction activities. Additional details will be provided during detailed design.

Appendix A:
Draft Plan of Subdivision

DRAFT PLAN OF SUBDIVISION

PART OF LOTS 5, 6 AND 7
REGISTERED PLAN 67
AND
PART OF LOT 7
CONCESSION 12
NOW IN THE GEOGRAPHIC TOWNSHIP OF INNISFIL
CITY OF BARRIE
COUNTY OF SIMCOE



OWNER'S CERTIFICATE:

I authorize Weston Consulting Group Inc. to prepare and submit this plan for draft approval.

___ ___ ___ ___ ___ Date: ___ ___ ___

BARRIE-BRYNE DEVELOPMENTS
3200 HIGHWAY 7
VAUGHAN, ON L4K 5Z5
647-362-3212

SURVEYOR'S CERTIFICATE:

I hereby certify that the boundaries of the lands being subdivided and their correct relationship to the adjacent lands are accurately and correctly shown on this plan.

___ ___ ___ ___ ___ Date: ___ ___ ___

PIER DE ROSA, OLS, OLIP
JD BARNES LTD
142 COMMERCE PARK DRIVE, UNIT V
BARRIE, ONTARIO L4N 8W8
PHONE:

ADDITIONAL INFORMATION:

[Section 51(17) of the Planning Act, R.S.O. 1990, c. P.13], as amended to December 12, 2021.
a), b), e), f), g), j) & l) - on plan.
c) - on key plan
d) - see statistics
h) - piped water to be installed by developer
i) - sandy silt to sand
k) - all services to be made available by developer

DEVELOPMENT STATISTICS:

BLOCKS	AREA(HA)
Semi-Detached (7.315 m) [Lots 1-33]:	1.914 ha
Street Townhouses (6.0 m) [Blk 34-54]:	2.721 ha
Back to Back Townhouses (6.4 m) [Blk 55-57]:	0.322 ha
Mid Rise Residential [Blk 58-59]:	3.351 ha
Employment Uses [Blks 60-67]:	11.992 ha
Park [Block 68]:	0.900 ha
Open Space [Blk 69-71]:	3.712 ha
SWMP [Blk 72,73]:	1.743 ha
Road Widening [Blk 74]:	2.074 ha
Hydro Easement [Blk 75-77]:	0.944 ha
Access Easement [Blk 78,79]:	0.092 ha
Roads:	3.496 ha
Total:	33.261 ha

SCALE 1:1500

0 75m

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Toronto, Ontario M5A 2X1
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REVISIONS LIST

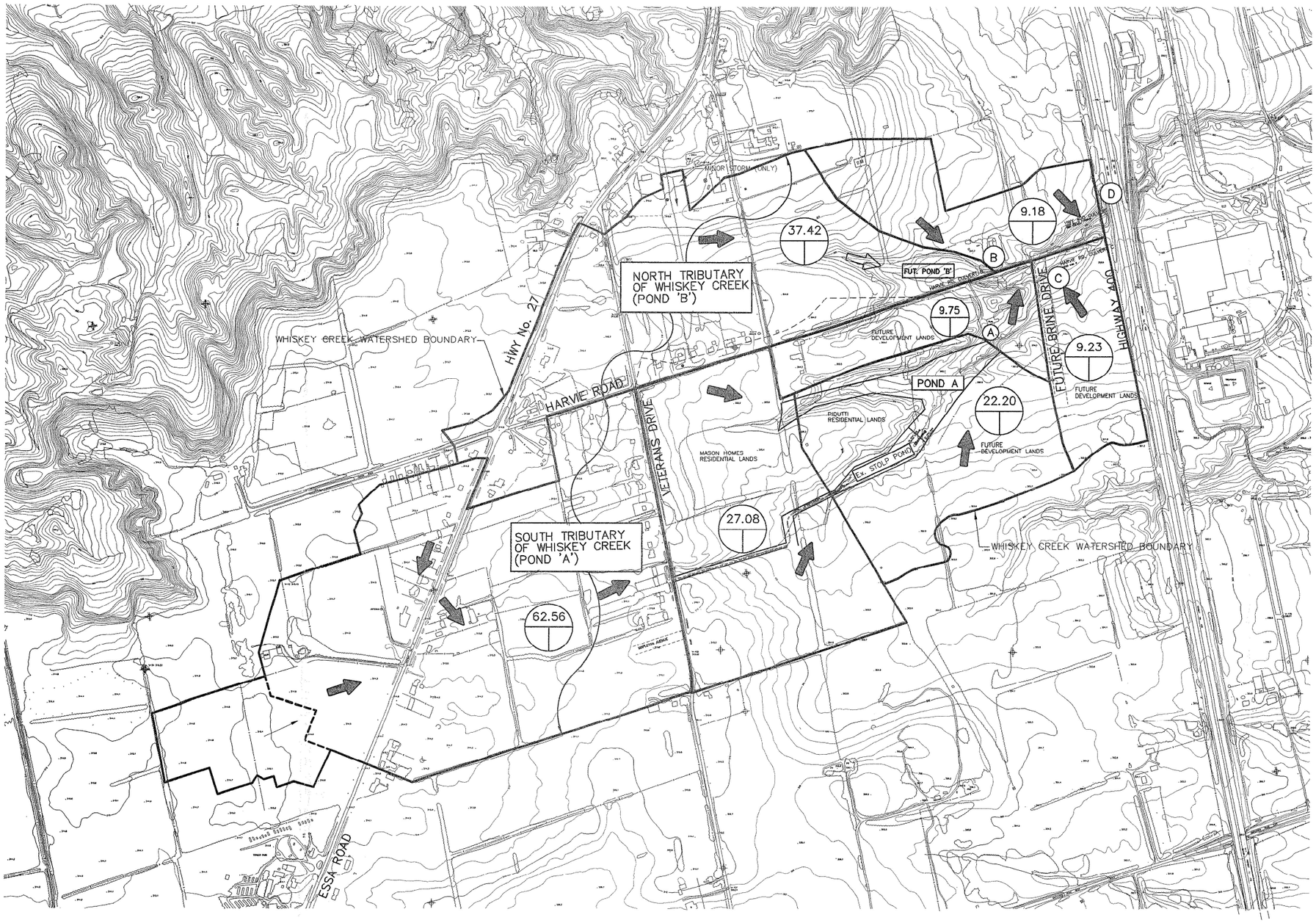
02 MAR 2021	Revise Park & SWM & Open Space limits per Constraints Plan & dimensions/stats.
27 JAN 2021	Insert new survey. Update blocks, dimensions & stats.
10 JAN 2021	Revise S.W.M.P. Blk 72. Add block dimensioning & update stats.
23 DEC 2021	Revise Semi-detached frontages to 7.315 m wide
21 DEC 2021	First draft

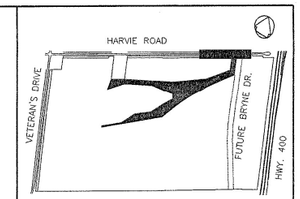
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Scale:	1:1500
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Drawing Number: D3

Appendix B:
Background Report Excerpts

F.J. Ternoway & Associated Preliminary SWM Study





KEY PLAN
(N.T.S.)

N

LEGEND

- MINOR STORM (ONLY) FLOW
- DRAINAGE BOUNDARY
- DRAINAGE DIRECTION
- (D) REFERENCE LOCATIONS
- 9.32 AREA (Ha)

GENERAL NOTES

BENCH MARK

MINISTRY OF NATURAL RESOURCES (MNR) No. 860426
MONUMENT LOCATED AT THE NORTH EAST CORNER OF FUTURE BLOCK 81

ELEVATION 291.14

No.	REVISIONS	DATE	APPROVED

CITY OF BARRIE
APPROVED
DATE _____
CITY ENGINEER

LICENSED PROFESSIONAL ENGINEER
L. TERSIGNI
PROVINCE OF ONTARIO

F.J. TERNOWAY & ASSOCIATES LIMITED
4265 SHERWOODTOWNE BOULEVARD, SUITE 300,
MISSISSAUGA, ONTARIO, L4Z 1Y5, TEL. (905)896-3933
ENGINEERS PROJECT MANAGERS PLANNERS

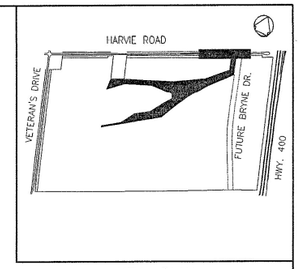
MASON HOMES
WHISKEY CREEK WATERSHED
EXISTING DRAINAGE CONDITIONS

CITY of BARRIE
ENGINEERING DEPARTMENT

DESIGN L.T.	SCALE HOR. 1 : 5000	VERT.
DRAWN L.T.	REVIEWED L.T.	DRAWING No. 310-201
DATE JUNE 24, 2003	SHEET No.	

ENCLOSURE NO. 1





KEY PLAN
(N.T.S.)

LEGEND

- MINOR STORM (ONLY) FLOW
- DRAINAGE BOUNDARY
- MAJOR & MINOR FLOW
- (D) DESIGN OUTLET POINTS
- 9.32 / 108 / 0.70 / 1 — AREA (Ha); HYDROGRAPH # AND AREA I.D.; CURVE # OR IMPERVIOUS # OR CONTROLLED SITE DISCHARGE RATE (82 l/s/ha)

GENERAL NOTES

BENCH MARK

MINISTRY OF NATURAL RESOURCES (MNR) No. 860426
MONUMENT LOCATED AT THE NORTH EAST CORNER OF FUTURE BLOCK 81

ELEVATION 291.14

No.	REVISIONS	DATE	APPROVED

CITY OF BARRIE
APPROVED
DATE _____
CITY ENGINEER

LICENSED PROFESSIONAL ENGINEER L. TERSIGNI AUG 6/03 PROVINCE OF ONTARIO

F.J. TERNOWAY & ASSOCIATES LIMITED
4265 SHERWOODTOWNE BOULEVARD, SUITE 300,
MISSISSAUGA, ONTARIO, L4Z 1Y5, TEL. (905)896-3933
ENGINEERS PROJECT MANAGERS PLANNERS

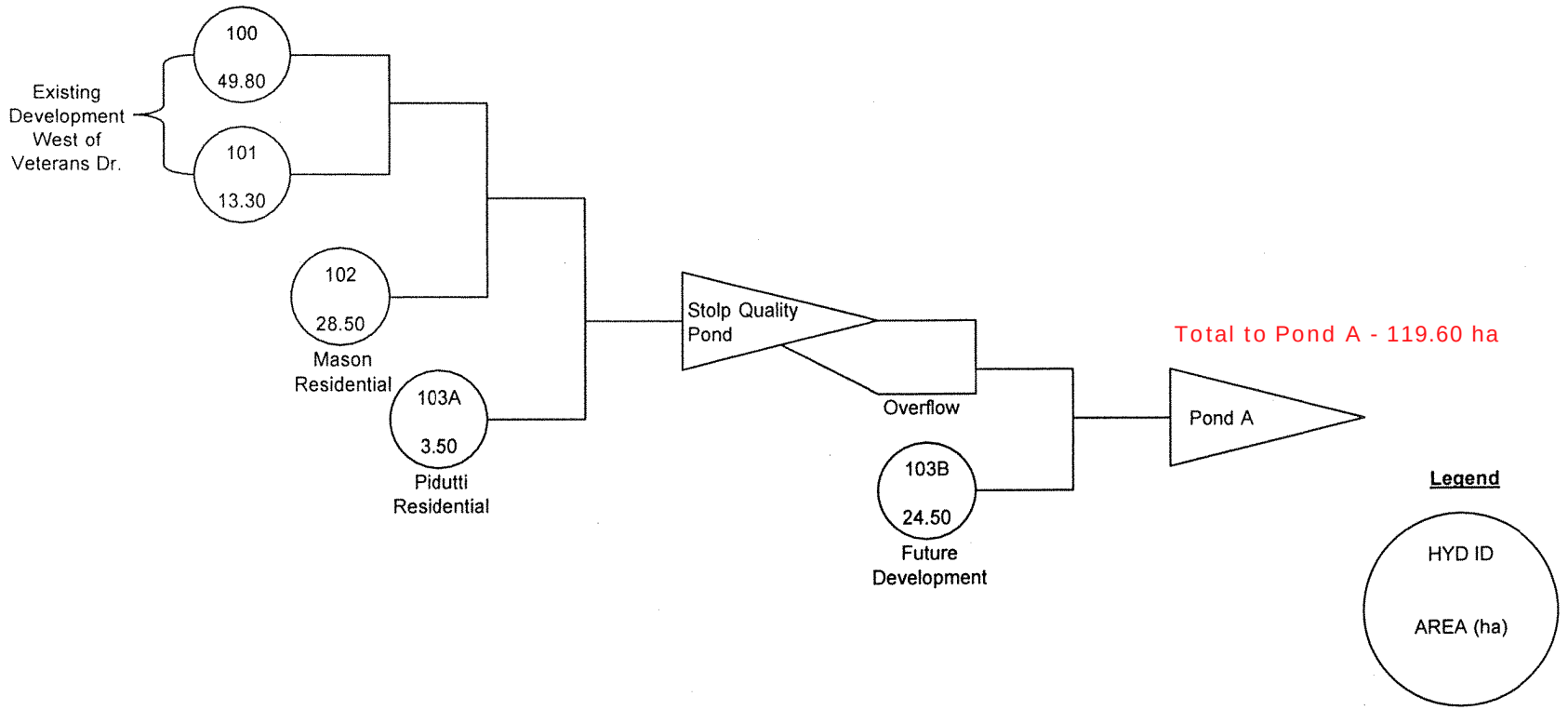
MASON HOMES
WHISKEY CREEK WATERSHED - STORM DRAINAGE PLAN
POST DEVELOPMENT - POND 'A'

CITY of BARRIE
ENGINEERING DEPARTMENT

DESIGN L.T.	SCALE HOR. 1 : 5000	VERT.
DRAWN L.T.	REVIEWED L.T.	DRAWING No. 310-202
DATE JUNE 24, 2003	SHEET No.	

ENCLOSURE NO. 2

APPENDIX A - SWMHYMO MODEL SCHEMATIC



4.2 Stormwater Management Criteria & Requirements

The criteria and requirements applicable to the stormwater management plan for the subject watershed area are established based on the previous reports and approving agencies policy and requirements. The criteria and requirements for the proposed Pond 'A' drainage area is summarised as follows:

1. Stormwater quantity control for the drainage area will be provided by a the proposed Pond 'A' dry extended detention facility, designed to control post-development peak flows to pre-development levels for the 2 through 100 year return period storm events.

2. Retrofitting the existing Stolp detention Pond to provide a wet pond quality control facility will provide water quality control.

3. Extended detention storage within the Stolp Pond should be based on the detention of runoff volume from the 25mm storm event from the upstream new development contributing drainage area. This volume should be detained and release over a minimum period of 24 hours to provide adequate treatment and erosion control for the receiving watercourse. Current MOE Stormwater Management Planning and Design guidelines will be implemented in the Stolp wet pond design.

4. Implementation of necessary sedimentation and erosion control measures to protect the downstream watercourse during all phase of construction.

4.3 Stormwater Quantity Facility – Pond 'A'

The proposed Pond 'A' is designed as a dry extended detention facility in accordance with MOE guidelines. Pond 'A' facility will provide quantity control of post development runoff from approximately 119.6 hectares of development area within the south branch of the Whiskey Creek upstream of Highway 400.

4.3.1 Proposed Location

The proposed location of Pond 'A' was established in the early 1990 as part of the July 1990 A.Brodie report to address MTO's requirement of not allowing any embankment storage and runoff control at the Highway 400 culvert. In essence, the existing Highway 400 culvert acts as a control structure resulting in ponding upstream of the highway culvert. As per **Table No. 4.1** above, the extent of ponding upstream of Highway 400 varies from an elevation of 286.1m for the 2 year storm event, 288.3m for the 100 year storm event and 289.6m for the regional storm. Therefore, since significant on-line storage already exists, it is proposed to move the detention area further upstream on-line. Also, the planned Harvie Road underpass at Highway 400 would essentially remove the existing storage and runoff control at Highway 400, resulting in increased peak flows downstream.

Hatch SWM Management Report for Transportation Improvements for Bryne Drive

The following table (Table 3-2) summarizes the existing conditions flows at key locations within the Lovers Creek subwatershed. It is recognized that the peak flow under 24-hour SCS Storm distribution are higher than the Chicago 4-hour distribution at Point C.

Table 3-2: Existing Conditions Flows at Key Locations

Location / (HYD)	Distribution	Flow (m^3/s)						Regional
		2-year	5-year	10-year	25-year	50-year	100-year	
Inflow to Pond LV14, Point A (HYD 453)	Chi 4-Hr	3.73	4.77	5.52	6.51	7.24	7.97	4.66
	SCS-24 Hr	**3.25**	**4.44**	**5.36**	**6.44**	**7.26**	**8.41**	
	SCS 6-Hr	3.41	4.71	5.70	6.89	8.08	9.07	
	SCS 12-Hr	3.24	4.41	5.26	6.34	7.14	8.25	
Outflow from Pond LV14, Point B (HYD LV14)	Chi 4-Hr	0.13	0.19	0.22	0.26	0.28	0.41	4.41
	SCS-24 Hr	**0.17**	**0.23**	**0.26**	**0.40**	**0.62**	**1.23**	
	SCS 6-Hr	0.16	0.22	0.25	0.31	0.53	0.89	
	SCS 12-Hr	0.16	0.22	0.25	0.28	0.48	0.68	
Total Flow at Downstream, Point C (HYD 455)	Chi 4-Hr	0.14	0.24	0.33	0.46	0.56	0.67	5.78
	SCS-24 Hr	**0.23**	**0.46**	**0.63**	**0.86**	**1.05**	**1.78**	
	SCS 6-Hr	0.18	0.37	0.52	0.74	0.92	1.20	
	SCS 12-Hr	0.19	0.38	0.53	0.74	0.91	1.14	

The existing conditions SWMHYMO hydrologic Modelling output for Lovers Creek subwatershed are provided in Appendix B.

(ii) Area 2: Whiskey Creek Subwatershed

The hydrologic and hydraulic conditions within the existing study area are analysed based on the proposed conditions in the previous approved study for *Harvie Road Big Bay Point Road New Crossing Over Highway 400* project (as "HBBP Project"). The proposed condition in HBBP project has incorporated with the future development, the overpass on Highway 400 and the SWM facilities designed within the HBBP Project.

The existing SWMHYMO model has been developed based on the HBBP Project to quantify the existing and proposed ROW conditions. The modelling has been developed to allow consistency and collaboration between the two (2) projects.

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Table 3-3: Existing Peak Flows – Whiskey Creek

Location/ (HYD)	Distribution	Flow (m^3/s)						Regional Storm
		2-year	5-year	10-year	25-year	50-year	100-year	
Whiskey Creek Main Channel								
Catchment 104 (HYD 104)	SCS 24-hr	2.34	3.41	4.12	5.20	5.95	6.70	3.282
	CHI 4-Hr	2.95	3.97	4.67	5.58	6.25	7.01	
	SCS 6-hr	2.52	3.66	4.48	5.66	6.49	7.33	
	SCS 12-hr	2.35	3.36	4.09	5.13	5.86	6.59	
Inflow to Pond A (HYD 157)	SCS 24-hr	3.26	9.16	13.42	18.36	21.38	24.46	16.87
	CHI 4-Hr	4.04	5.43	6.60	9.78	12.43	15.33	
	SCS 6-hr	3.47	7.11	11.30	18.36	22.11	26.43	
	SCS 12-hr	3.27	6.82	11.65	17.36	20.50	23.49	
Outflow from Pond A (HYD 158)	SCS 24-hr	0.99	1.14	1.23	1.31	1.36	1.41	14.87
	CHI 4-Hr	0.88	1.07	1.15	1.23	1.28	1.33	
	SCS 6-hr	0.97	1.14	1.22	1.30	1.36	1.40	
	SCS 12-hr	0.97	1.12	1.20	1.28	1.34	1.38	
U/S of Harvie Rd Culvert, Point A (HYD 251)	SCS 24-hr	0.93	1.60	2.05	2.68	3.17	3.90	3.31
	CHI 4-Hr	0.95	1.34	1.67	2.06	2.35	2.66	
	SCS 6-hr	0.93	1.58	2.03	2.67	3.40	3.96	
	SCS 12-hr	0.89	1.50	1.92	2.49	2.95	3.65	
U/S of Hwy 400 Culvert, Point B (HYD 254)	**SCS 24-hr**	**1.85**	**2.87**	**3.64**	**4.68**	**5.49**	**6.55**	21.05
	CHI 4-Hr	1.71	2.19	2.62	3.10	3.48	3.89	
	SCS 6-hr	1.81	2.70	3.37	4.35	5.36	6.24	
	SCS 12-hr	1.77	2.63	3.30	4.23	4.97	5.96	
Whiskey Creek North Tributary								
Catchment 205 (HYD 205)	SCS 24-hr	0.12	0.33	0.52	0.79	1.01	1.25	1.93
	CHI 4-Hr	0.03	0.11	0.19	0.31	0.41	0.54	
	SCS 6-hr	0.07	0.23	0.39	0.63	0.84	1.07	
	SCS 12-hr	0.08	0.25	0.40	0.64	0.84	1.05	

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Location/ (HYD)	Distribution	Flow (m^3/s)						Regional Storm
		2-year	5-year	10-year	25-year	50-year	100-year	
U/S of Hwy 400 Culvert, Point C (HYD 255)	**SCS 24-hr**	**0.18**	**0.45**	**0.68**	**1.01**	**1.28**	**1.57**	2.15
	CHI 4-Hr	0.06	0.16	0.26	0.41	0.53	0.69	
	SCS 6-hr	0.12	0.33	0.52	0.83	1.09	1.37	
	SCS 12-hr	0.14	0.35	0.54	0.83	1.07	1.33	

It is recognized that the existing peak flow using SCS 24-hour storm distribution is higher than the Chicago 4-hour storm distribution at Point B and Point C, therefore, the existing conditions analysis will be carried out using the SCS 24-hour storm distribution.

The existing conditions SWMHYMO hydrologic Modelling output for Whiskey Creek subwatershed is provided in Appendix B.

(iii) Area 3: Hotchkiss Creek Subwatershed

The Hotchkiss Creek SWMHYMO hydrologic model for Bryne Drive, north of Harvie Road was developed to estimate runoff under the pre-development condition. The hydrologic modelling has been carried out using the 24-hour SCS Type II Storm distribution, 12-hour SCS Type II Storm distribution, 6-hour SCS Type II Storm distribution and Chicago 4-hour Storm Distribution. The higher among these two has been considered as the design flow. The Regional Storm flow will be calculated by using the Hurricane Hazel Storm.

The existing conditions Hotchkiss Creek hydrologic model was developed based on the previous OTTHYMO model output from the Markborough Properties Inc. Stormwater Report by R.G. Robinson and Associates Ltd. (dated May 9, 1997). The hydrologic model was later updated by The Jones Consulting Group Ltd. in 2016 for the 300 Essa Road residential areas, which incorporated the SWM retrofits within existing dry Pond HT06.

Drainage boundaries have been reviewed and adjusted accordingly, in order to be consistent with the drainage patterns identified within the previously completed studies.

It was noted that the existing conditions model in the previous OTTHYMO model has some discrepancies with the current condition. Therefore, the catchment areas have been adjusted based on the aerial images and field inspections.

The following table (Table 3-4) summarizes the existing conditions flows.

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4 Post-Development Conditions

The proposed roadway improvements to Bryne Drive are anticipated to have an impact to the drainage conditions. The following section has been drafted to identify the proposed roadway configurations and to document the hydrologic and hydraulic impact of these proposed conditions.

Proposed Road Configuration:

- ***Bryne Drive*** will be a 34.0 m ROW with an urban cross-section including 5 lanes of roadway, a 5.8 m wide pervious area (boulevard), two 1.5 m wide bike lanes, and two 2.0 m wide sidewalks. (Note: the boulevard width reduces slightly at in the northern segment of Bryne to transition to the existing road limits.)

The proposed conditions drainage mosaics are illustrated in STM02A, STM02B, and STM02C within Appendix A.

4.1 Proposed Conditions Drainage

In general, under the proposed conditions, post-development runoff for road ROW catchments are expected to increase due to the added imperviousness of the roads, sidewalks, and multi-use trail. As a result, the improvement and/or implementation of both drainage conveyance features and stormwater management facilities are required to handle the additional runoff.

Area 1: Bryne Drive at Lovers Creek Subwatershed (STM02A):

As part of this project, the existing Bryne Drive will be improved and realigned for the proposed extension of Bryne Drive within the Lovers Creek subwatershed. The existing drainage patterns have been maintained under proposed conditions; however, this improvement and extension of the roadway will result an increase to the impervious level within the ROW. The following drainage plan has been drafted to mitigate these drainage pattern impacts in terms of water quantity, quality, and overall runoff conveyance:

- The existing storm sewer system will be utilized to collect and convey runoff for the minor 5-year storm event from the proposed roadway area wherever possible.
- Imperviousness of roadway catchments have been updated to reflect the proposed widening as well as new alignment of Bryne Drive.
- A separate Catchment L-1D has been delineated to identify the new alignment of Bryne Drive. Runoff from Catchments L-1 (L-1A, L-1B, L-1C and L-1D), L-2, L-3 and L-4 will be directed to Pond LV14, as in existing conditions, for quality and quantity control. There will be an increase in pond volume within LV14 due to the increase in imperviousness.
- Runoff from rural Catchment L-5A and the Pond LV14 outflow will be conveyed easterly via a re-aligned Lovers Creek channel through a proposed Culvert P.C.L-2 under the new roadway alignment of Bryne Drive.

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- Linear enhanced grass swales with infiltration galleries are proposed on both the north and south side of the culvert as shown in STM02A. Roadway runoff of Catchment L-5B will be conveyed to the enhance grass swales through laterals for water quality treatment. Granular infiltration galleries (designed with 50mm clear stone and 40% void ratio) are proposed under the enhanced grass swales as a LID measure. OGS and CB-shields have been designed for quality treatment.

Area 2: Bryne Drive at Whiskey Creek Subwatershed (STM02B):

The existing drainage patterns along Bryne Drive at Whiskey Creek are maintained under proposed conditions. The following is the drainage plan for Bryne Drive within the Whiskey Creek subwatershed:

- The existing Catchment 104 has been further subdivided into Catchments 1041, BRW3 and 1042 to incorporate the proposed Bryne Drive Alignment.
    - The three (3) subdivided catchments drain to Pond A. Runoff from Catchments BRW3, 1041, and 1042 will be directed to Pond A via a proposed storm sewer.
    - Quality control of runoff will be completed through the use of OGS units. Quantity control for the runoff will be accomplished by Pond A.
- The existing outlet of Pond A (2.1 m diameter concrete pipe culvert) will be extended to accommodate the proposed alignment of Bryne Drive.
- Catchment 207, which includes a portion of Bryne Drive north and south of Harvie Road, is incorporated under Harvie Big Bay Point Road Project.
- The existing Catchment 203 is further subdivided into Catchments 2031, BRW2, and 2032 to incorporate the proposed Bryne Drive Alignment.
    - Runoff from Catchment 2031 drains to Harvie Road culvert, located at Harvie Road and Bryne Drive intersection, via the proposed roadside ditch for Bryne Drive.
    - The 100-year runoff from the Bryne Drive Catchment BRW2 will be conveyed by storm sewers and directed to the pipe storage system for quantity control. Quality control will be provided by OGS units. The outflow from the pipe storage facility will be directed to the Harvie Road and Bryne Drive intersection culvert.
    - Runoff from Catchment 2032 drains to Whiskey Creek, consistent with the existing conditions.
- The existing Catchment 205 is further subdivided into Catchments 2051, BRW1 and 2052 to incorporate the proposed Bryne Drive Alignment.
    - Runoff from Catchment 2051 drains to Bryne Drive (Catchment BRW1) as sheet flow. The 100-year runoff from these two catchments will be conveyed by storm sewer and directed to the proposed new dry pond (Pond 1). An OGS will be provided for the quality treatment of 1.65 ha of Bryne Drive area.

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(i) Area 1: Lovers Creek Subwatershed

The existing SWMHYMO model developed for Lovers Creek Subwatershed has been updated to reflect the proposed conditions. The followings are the key parameters considered to for the proposed road design conditions:

- The ROW Catchments L-2, L-1D and L-5B have been updated to demonstrate the increase in imperviousness due to the proposed roadway improvements.
- A retrofit is proposed at Pond LV14 by increasing the existing spillway elevation by 0.10 m to accommodate the additional volume required for peak flow control. The revised stage-storage information based on retrofit of Pond LV14 has been included in the proposed hydrologic model.

Table 4-1 summarizes the peak flow at key location within the Lover's Creek subwatershed and provide a comparison of flow near the downstream end of the study limit.

Table 4-1: Proposed Conditions Flows at Key Locations within Lovers Creek Subwatershed

Location / (HYD)	Conditions	Flow (m^3/s) (SCS 24-hour Storm Distribution)						Regional
		2-year	5-year	10-year	25-year	50-year	100-year	
Inflow to Pond LV14 (HYD 453)	Proposed	3.29	4.62	5.57	6.69	7.54	8.72	4.66
Outflow from Pond LV14 (HYD LV14)	Proposed	0.17	0.23	0.26	0.42	0.65	0.94	4.39
Flow at Proposed Lovers Creek Culvert	Proposed	0.19	0.33	0.438	0.56	0.72	1.062	4.92
Total Flow at Downstream (HYD 455)	Existing (Ex.)	**0.23**	**0.46**	**0.63**	**0.86**	**1.05**	**1.78**	5.78
	Proposed (Pr.)	0.23	0.47	0.65	0.90	1.091	1.53	5.77
	Diff. (Pr. - Ex.)	0.00	0.01	0.02	0.04	0.04	-0.25	-0.01

The results in Table 4-1 illustrates that at the downstream end of Lovers Creek within the study limit, the proposed conditions flows for the 2-year to the 50-year events are similar to the existing conditions flows. The proposed conditions 100-year and the Regional storm flows also do not exceed the existing conditions flow.

The proposed conditions SWMHYMO hydrologic Modelling output for Lovers Creek subwatershed is provided in Appendix B.

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(ii) *Area 2: Whiskey Creek Subwatershed*

The existing Whiskey Creek SWMHYMO model has been updated to reflect the proposed Bryne Drive alignment as discussed in Section 4.1 The following is a summary of the key parameters considered to effectively represent the proposed scenario:

- Imperviousness of roadway ROW catchments BRW1, BRW2, and BRW3 have been updated to reflect the proposed roadway development.
- Stage-storage information for the proposed dry SWM facility (Pond 1) and proposed pipe storage facility as well as Pond A have been incorporated within the hydrologic model.

Table 4-2 summarizes the peak flow at key location within the Whiskey Creek subwatershed and provide a comparison of flow near the downstream end of the study limit.

Table 4-2: Proposed Conditions Flows at Key Locations within Whiskey Creek Subwatershed

Location / HYD	Conditions	Flow (m^3/s) (SCS 24-hour Storm Distribution)						Regional Storm
		2-year	5-year	10-year	25-year	50-year	100-year	
Whiskey Creek Main Channel								
Catchment 104 (HYD 1542)	Proposed	2.37	3.45	4.17	5.25	6.01	6.77	3.29
Inflow to Pond A (HYD 157)	Proposed	3.29	9.42	13.69	18.52	21.82	24.97	16.94
Outflow from Pond A (HYD 158)	Proposed	0.99	1.14	1.23	1.31	1.36	1.41	14.91
U/S of Harvie Rd Culvert (HYD 251)	Proposed	0.99	1.68	2.17	2.83	3.36	4.12	3.87
Flow U/S of Highway 400 Culvert (HYD 254)	Existing (Ex.)	1.85	2.87	3.64	4.68	5.49	6.55	21.05
	Proposed (Pr.)	1.90	2.90	3.65	4.66	5.45	6.49	21.09
	Diff. (Pr. - Ex.)	0.05	0.03	0.01	-0.02	-0.04	-0.06	0.04
Whiskey Creek North Tributary								
Inflow to Pond 1 (HYD 252)	Proposed	2.24	3.15	3.75	4.54	5.12	5.70	1.620
Outflow from Pond 1 (HYD PND-W1)	Proposed	0.15	0.36	0.53	0.77	0.96	1.15	1.153
	Existing (Ex.)	0.18	0.45	0.68	1.01	1.28	1.57	2.15

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Location / HYD	Conditions	Flow (m^3/s) (SCS 24-hour Storm Distribution)						Regional Storm
		2-year	5-year	10-year	25-year	50-year	100-year	
U/S of Hwy 400 Culvert (HYD 255)	Uncontrolled	2.30	3.30	3.96	4.84	5.49	6.13	2.59
	Proposed Controlled (Pr.)	0.20	0.45	0.69	1.02	1.29	1.55	1.970
	Diff. Diff. (Pr. - Ex.)	0.02	0.00	0.01	0.01	0.01	-0.02	-0.18

As shown in Table 4-2, with the implementation of SWM facilities (existing Pond A and proposed Pond 1 and Pipe storage system) in the study area, the floodplain within the Whiskey Creek area is maintained. The proposed condition flows at the upstream of Highway 400 culverts along both main channel and north tributary are almost matched with the existing conditions flow.

The proposed conditions SWMHYMO hydrologic Modelling output for Whiskey Creek subwatershed is provided in Appendix B.

(iii) Area 3: Hotchkiss Creek Subwatershed

The existing SWMHYMO model developed for Hotchkiss Creek Subwatershed has been updated to reflect the proposed conditions: Interim Condition and Future Condition. Impervious areas of ROW Catchments are updated to reflect the increased imperviousness due to the proposed road improvements, while the rest of the external catchments remain consistent with the current conditions.

Under Interim Condition, imperviousness increased in Catchment H206 and H209 to reflect the proposed roadway improvement up to Point A.

Table 4-3 summarizes the proposed interim condition flows at key locations and comparisons of flow at the downstream node points. Note that Point C combines the flows from Point B and remaining catchments, which includes the ROW drainage areas of Highway 400. Point C is the downstream outlet of the overall study area, where flow rates are summarized to document that post- to pre-development quantity control and peak flow requirements are met.

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Table 5-1: Hydraulic Performance of Existing Culvert E.C. W-1

Parameters	Structure Data	Existing Condition (1050 mm diameter CSP)		
		50-year Event	100-year Event	Regional Storm
Edge of Roadway at lowest point [m]	292.50	-	-	-
Upstream Invert [m] (Top of streambed at u/s)	291.74	-	-	-
Downstream Invert [m] (Top of streambed at d/s)	291.56	-	-	-
Flow Rate [m^3/s]	-	3.17	3.90	3.31
Water Level [m]	-	292.63	292.61	292.61
Freeboard [m]	-	-0.13 (overtopping)	-0.11 (overtopping)	-0.11 (overtopping)
Headwater/Depth Ratio (HW/D)	-	0.83	-	-
Velocity [m/s]	-	2.02	1.99	2.00

The hydraulic analysis results shown in Table 5-1 indicated that the existing structure E.C. W-1 (1050mm CSP Culvert) does not meet the City of Barrie requirements. The existing culvert does not meet the minimum freeboard requirement. The existing structure overtops the roadway surface under the 50-year, 100-year and Regional Storm events. This culvert is proposed to be replaced within the Harvie Big Bay Point Road Project.

5.1.2 Proposed Culverts

Culvert P.C. L-1 at Lovers Creek

A new culvert crossing (Culvert P.C. L-1) is proposed on Bryne Drive at Lovers Creek subwatershed, as shown in STM02A, to safely convey upstream overland runoff to the downstream watercourses and maintain existing subwatershed catchment boundaries. The proposed culvert will be a 52 m long, 1.2m x 1.2m concrete box culvert with 0.30m embedment.

To consider the backwater effect from downstream Hwy400 culvert, the tailwater conditions are modelled as the 100yr Design HWL (298.11m) indicated in *"MTO Drainage and Hydrology Report, Preliminary Design Highway 400 - 1km South of Highway 89 to the Junction of Highway 11, AECOM, November 2016".* The hydraulic performance of proposed Culvert P.C. L-1 is documented in Table 5-2.

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Table 5-2: Hydraulic Performance of Proposed Culvert P.C. L-1

Parameters	Structure Data	Proposed Condition (1.2 m x 1.2 m Concrete Box Culvert with 300 mm Embedment)		
		50-year Event	100-year Event	Regional Storm
Edge of Roadway at lowest point [m]	302.15	-	-	-
Upstream Invert [m] (Top of streambed at u/s)	300.00	-	-	-
Downstream Invert [m] (Top of streambed at d/s)	299.60	-	-	-
Flow Rate [m^3/s]	-	0.72	1.06	4.92
Water Level [m]	-	300.6	300.78	302.27
Freeboard [m]	-	1.52	1.33	-0.12 (Overtopping)
Headwater/Depth Ratio (HW/D)	-	0.65	-	-
Velocity [m/s]	-	1.8	2.04	2.80

The proposed Culvert P.C.L-1 at Lovers Creek meets the freeboard and headwater/depth ratio requirements for the 50-year design storm. The culvert will also have more than 1.0 m freeboard for the 100-year storm flow. It is recognized that the regional storm flow overtops the roadway by 0.12m with a modelled velocity of 0.37m/s and a depth-velocity production of 0.04 m^2/s, which satisfies the MNR guidelines for overflow crossing local roadways.

Due to high velocity through the culvert structure, an outlet pool with appropriately sized streambed material is required at the downstream end of the culvert. Rock protection will also be provided at the upstream end of the culvert for erosion control.

Upstream of this culvert, the Lovers Creek channel is proposed for realignment. The realigned ditch features a bottom width of 2m, and side slopes of 3:1. A ROW ditch (2m bottom with 3:1 side slopes) is proposed on the south side of culvert inlet, which eventually tie into proposed realigned creek at 5yr water level of 300.17m.

Culvert E.C. W-1 at Whiskey Creek

The existing Harvie Road Culvert E.C. W-1 was redesigned under the HBBP Project with an 1800 mm diameter concrete pipe. The culvert will be embedded by 360 mm and filled with substrates to maintain the natural regime conditions. The culvert discharges to the main branch of Whiskey Creek. Due to the proposed Bryne Drive alignment, runoff from additional drainage

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areas which are uncontrolled flow from Catchment 2031 and controlled flow from ROW Catchment BRW2, was added on the upstream of this culvert.

Table 5-3: Hydraulic Performance of Culvert E.C. W-1 under Proposed Conditions

Parameters	Structure Data	Proposed Condition (1800 mm diameter Concrete pipe with 360 mm Embedment)		
		50-year Event	100-year Event	Regional Storm
Edge of Roadway (lowest point) [m]	297.11	-	-	-
Upstream Invert [m] (Top of streambed at upstream)	292.15	-	-	-
Downstream Invert [m] (Top of streambed at downstream)	289.09	-	-	-
Flow Rate [m3/s]	-	3.36	4.12	3.87
Water Level [m]	-	293.64	293.83	293.77
Freeboard [m]	-	3.47	3.28	3.34
Headwater/Depth Ratio (HW/D)	-	0.82	-	-
Velocity [m/s]	-	3.09	3.26	3.21

The results of hydraulic assessment for Culvert E.C.W-1 (1.80m circular Conc. Culvert) under proposed conditions indicated that the proposed structure meets freeboard requirement for the 50-year design storm and H/D ratio requirements under proposed condition. The culvert safely conveys the100-year and Regional Storm flows without overtopping the roadway.

Due to high velocity through the culvert structure, an outlet pool with appropriately sized streambed material is required at the downstream end of the culvert. Rock protection was also provided at the upstream end of the culvert.

5.1.3 Storm Sewer Capacity Analysis and Sizing

The storm sewer analysis was completed using the Rational Method consistent with the City of Barrie drainage design criteria. The ROW and external drainage areas utilized to size the storm sewers are shown in STM03. Detailed sizing calculations are included in Appendix D Storm Sewer Sizing.

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storage relationship and resulting pond elevations. Table 6-5 provides a comparison of stage-storage-discharge relationship for each storm events.

Table 6-5: Stage Storage Relationship

Storm Event	Existing (per HBBP)				Proposed			
	Inflow (m^3/s)	Storage (m^3)	Outflow (m^3/s)	Water Level (m)	Inflow (m^3/s)	Storage (m^3)	Outflow (m^3/s)	Water Level (m)
2-Year	3.3	8485	1.0	293.14	3.3	8524	1.0	293.15
5-Year	9.2	20510	1.1	294.36	9.4	20560	1.1	294.37
10-Year	13.4	29610	1.2	295.05	13.7	29680	1.2	295.05
25-Year	18.4	42170	1.3	295.82	18.5	42250	1.3	295.82
50-Year	21.4	51920	1.4	296.34	21.8	52000	1.4	296.34
100-Year	24.5	61910	1.4	296.85	24.9	62000	1.4	296.85
Regional	16.9	87300	14.9	297.96	16.9	87310	14.9	297.96

The total drainage area draining to Pond A is 127.50 ha which is maintained under proposed conditions. The only change is an increase in imperviousness due to Bryne Drive on the southside of Pond A outlet. Due this change, the Regional storm storage volume increase from 87300 m^3 to 87310 m^3. This negligible increase in storage volume has no effect on the pond outflow rate and pond water level.

Pipe Storage Facility

North of Harvie Road, runoff from roadway area from Station 4+485 to Station 4+690 (Catchment BRW2, area 0.65 ha) will be captured by catch basins and conveyed by storm sewers for the 100-year storm event and directed the flow to the Pipe Storage Facility. The pipe storage facility is comprised of one 73.20m long and one 96.80m long 1200 mm diameter oversized pipe, connected with two 2400mm diameter manhole (MH2093 and MH2094) An OGS will be provided for quality treatment of runoff. The controlled outflow will be discharged to the grassed swale on the west side of Bryne Drive, which will provide additional quality treatment maintaining the treatment train approach.

Table 6-6 provides a summary of storage volume and flows of the pipe storage system.

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Whiskey Creek Proposed Condition 2yr to 100yr Storm Event

```
Data File:
2     Metric units
*#*************************************************************************
*#  Project Name: [Whiskey Creek MDP - 2004]    Project Number: [17-99111-14]
*#  Scenario:  Alternative Option 1  - Uses the Existing Condition model as a
*#                                     base and incorporates the natural storage
*#                                     areas at Yonge Street and Tollendal Mill
*#                                     Road as designated SWM Facilities and
*#                                     incorporates ALT 4A into the model for the
*#                                     area upstream of Highway 400 however
*#                                     amended it to eliminate the Harvie Road
*#                                     Trunk Storm Sewer. Storage pipe proposed
*#                                     in north of Harvie/Bryne Crossing to
*#                                     control proposed flows to existing
*#                                     condition.
*#  Date: June 2004, Updated May 2007
*#  Updated: December 2008 by City of Barrie
*#  Updated: January 2017 by Hatch for Harvie Road Project
*#*************************************************************************
START               TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[0]
                    SCS2.STM
*%-----------------|-------------------------------------------------------|
READ STORM          STORM_FILENAME=["STORM.001"]
*%-----------------|-------------------------------------------------------|
*
CALIB STANDHYD      ID=1 NHYD="100" DT (min)=5 AREA (ha)=50.1
                    XIMP=0.29 TIMP=0.44  DWF (cms)=0  LOSS=2  CN=68
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=80  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=0.5 LGI (m)=575 MNI=0.013 SCI (hr)=0 -1
*
CALIB STANDHYD      ID=2 NHYD="101" DT (min)=5 AREA (ha)=15.4
                    XIMP=0.36 TIMP=0.54  DWF (cms)=0  LOSS=2  CN=68
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=80  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=0.5 LGI (m)=320 MNI=0.013 SCI (hr)=0 -1
*#
*# FLOW AT VETERANS DRIVE
*#
ADD HYD             ID=3  NHYD="150"  IDONE=1  IDTWO=2
*
CALIB STANDHYD      ID=1  NHYD="102"  DT (min)=5 AREA (ha)=27.2
                    XIMP=0.26 TIMP=0.38 DWF (cms)=0  LOSS=2  CN=68
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=80  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=1.8 LGI (m)=425 MNI=0.013 SCI (hr)=0 -1
*
*#
*# FLOW AT THRUSHWOOD
*#
ADD HYD             ID=2 NHYD="151"  IDONE=1  IDTWO=3
*
CALIB STANDHYD      ID=1 NHYD="103"  DT (min)=5 AREA (ha)=4.0
                    XIMP=0.37 TIMP=0.55 DWF (cms)=0  LOSS=2 CN=60
                    IaPerv=5mm  SLPP (%)=3.3 LGP (m)=80  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=3.3 LGI (m)=160 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=3 NHYD="152"  IDONE=1   IDTWO=2
*
*# POND A - PART 1
ROUTE RESERVOIR     ID=1  NHYD="153"   IDIN=3   DT (min)=5
                    OUTFLOW (cms)=0       STORAGE (ham)=0
                    OUTFLOW (cms)=0.081   STORAGE (ham)=0.2027
                    OUTFLOW (cms)=0.115   STORAGE (ham)=0.451
                    OUTFLOW (cms)=0.141   STORAGE (ham)=0.7298
                    OUTFLOW (cms)=0.146   STORAGE (ham)=0.7893
                    OUTFLOW (cms)=0.152   STORAGE (ham)=0.8811
                    OUTFLOW (cms)=4.126   STORAGE (ham)=1.041
                    OUTFLOW (cms)=16.92   STORAGE (ham)=1.4155  -1
*# CATCHMENT 104 SPLIT INTO 3 CATCHMENTS
```

Stolp Pond
Stage-Storage-Discharge

```
*# BRW3 & 1041 & 1042 DRAIN TO POND A
*
CALIB STANDHYD       ID=2  NHYD="1041" DT (min)=5 AREA (ha)=19.20
                     XIMP=0.58 TIMP=0.58 DWF (cms)=0   LOSS=2 CN=60
                     IaPerv=5mm  SLPP (%)=3.3 LGP (m)=80  MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=3.3 LGI (m)=400 MNI=0.013 SCI (hr)=0 -1
*
CALIB STANDHYD       ID=3  NHYD="BRW3" DT (min)=5 AREA (ha)=1.80
                     XIMP=0.70 TIMP=0.70 DWF (cms)=0   LOSS=2 CN=60
                     IaPerv=5mm  SLPP (%)=3.3 LGP (m)=40  MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=3.3 LGI (m)=130 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD              ID=6 NHYD="1541" IDONE=3 IDTWO=2
*
CALIB STANDHYD       ID=5  NHYD="1042" DT (min)=5 AREA (ha)=2.90
                     XIMP=0.58 TIMP=0.58 DWF (cms)=0   LOS=2 CN=60
                     IaPerv=5mm  SLPP (%)=3.3 LGP (m)=80  MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=3.3 LGI (m)=400 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD              ID=2 NHYD="1542" IDONE=6 IDTWO=5
*
ADD HYD              ID=4 NHYD="1543" IDONE=1 IDTWO=2
*
*#
*# HARVIE ROAD WEST - North of Harvie External Property
CALIB STANDHYD       ID=2 NHYD="209" DT (min)=5 AREA (ha)=2.0
                     XIMP=0.20 TIMP=0.30  DWF (cms)=0  LOSS=2  CN=54
                     IaPerv=5mm  SLPP (%)=2   LGP (m)=40  MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=0.5 LGI (m)=115 MNI=0.013 SCI (hr)=0 -1
*#
ADD HYD              ID=3 NHYD="155" IDONE=2 IDTWO=4
*
*#
*# HARVIE ROAD WEST - Essa Road to Bryne Intersection
CALIB STANDHYD       ID=2 NHYD="208" DT (min)=5 AREA (ha)=2.7
                     XIMP=0.74 TIMP=0.87 DWF (cms)=0  LOSS=2  CN=54
                     IaPerv=5mm  SLPP (%)=2   LGP (m)=40 MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=2.5 LGI (m)=140 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD              ID=4 NHYD="156" IDONE=2 IDTWO=3
*
*#
*# HARVIE ROAD Bridge - West to Bryne Intersection
CALIB STANDHYD       ID=2 NHYD="207" DT (min)=5 AREA (ha)=2.2
                     XIMP=0.90 TIMP=0.90 DWF (cms)=0  LOSS=2  CN=54
                     IaPerv=5mm  SLPP (%)=2   LGP (m)=40 MNP=0.25  SCP (hr)=0
                     IaImp=1.5mm SLPI (%)=2.5 LGI (m)=120 MNI=0.013 SCI (hr)=0 -1
*
*
ADD HYD              ID=3 NHYD="157" IDONE=2 IDTWO=4
*
*#
*# POND A - PART 2
ROUTE RESERVOIR      ID=5  NHYD="158"  IDIN=3  DT (min)=5
                     OUTFLOW (cms)=0     STORAGE (ham)=0
                     OUTFLOW (cms)=0.64  STORAGE (ham)=0.0757
                     OUTFLOW (cms)=0.82  STORAGE (ham)=0.288
                     OUTFLOW (cms)=0.97  STORAGE (ham)=0.733
                     OUTFLOW (cms)=1.1   STORAGE (ham)=1.5914
                     OUTFLOW (cms)=1.22  STORAGE (ham)=2.8814
                     OUTFLOW (cms)=1.33  STORAGE (ham)=4.5112
                     OUTFLOW (cms)=1.42  STORAGE (ham)=6.492
                     OUTFLOW (cms)=8.16  STORAGE (ham)=7.9041
                     OUTFLOW (cms)=13.22 STORAGE (ham)=8.49
                     OUTFLOW (cms)=15.55 STORAGE (ham)=8.827
                     OUTFLOW (cms)=17.7  STORAGE (ham)=8.9    -1
*
*# CATCHMENT 203 SPLIT INTO 3 CATCHMENTS
*# BRW2 CONTROLLED BY RPORPOSED PIPE STORAGE Twin 85m - 1200mm PIPE
*
CALIB STANDHYD       ID=2 NHYD="BRW2" DT (min)=5 AREA (ha)=0.65
```

Portion of Subject Site

Pond 'A'
Stage Storage Discharge

```
                    XIMP=0.89 TIMP=0.89 DWF (cms)=0  LOSS=2  CN=60
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=40  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=2.5 LGI (m)=130  MNI=0.013 SCI (hr)=0 -1
*
ROUTE RESERVOIR     ID=3  NHYD="2491"  IDIN=2  DT (min)=5
                    OUTFLOW (cms)=0       STORAGE (ham)=0
                    OUTFLOW (cms)=0.0357  STORAGE (ham)=0.0011
                    OUTFLOW (cms)=0.049   STORAGE (ham)=0.0034
                    OUTFLOW (cms)=0.0596  STORAGE (ham)=0.0071
                    OUTFLOW (cms)=0.0717  STORAGE (ham)=0.0127
                    OUTFLOW (cms)=0.0778  STORAGE (ham)=0.0157
                    OUTFLOW (cms)=0.0874  STORAGE (ham)=0.0191
                    OUTFLOW (cms)=0.0949  STORAGE (ham)=0.0199
                    OUTFLOW (cms)=0.0961  STORAGE (ham)=0.0200 -1
*
*# CATCHMENT 2301 CAPTURED BY ROW DITCH ALONG BRYNE DRIVE
*
CALIB NASHYD        ID=4  NHYD="2031"  DT (min)=5 AREA (ha)=4.75
                    DWF (cms)=0  CN/C=54 IA (mm)=19.2
                    N=3 TP (hr)=0.45   -1
*
ADD HYD             ID=8 NHYD="249" IDONE=3 IDTWO=4
*#
*# NORTH TRIBUTARY
*#
CALIB STANDHYD      ID=1 NHYD="200" DT (min)=5 AREA (ha)=11.6
                    XIMP=0.37 TIMP=0.60 DWF (cms)=0   LOSS=2  CN=68
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=80  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=1.9 LGI (m)=280 MNI=0.013 SCI (hr)=0 -1
*
CALIB NASHYD        ID=2  NHYD="201"  DT (min)=5 AREA (ha)=5.5
                    DWF (cms)=0  CN/C=54 IA (mm)=19.2
                    N=3 TP (hr)=0.39   -1
*
*#
*#
ADD HYD             ID=3  NHYD="250"  IDONE=1  IDTWO=2
*
CALIB NASHYD        ID=1  NHYD="202"  DT (min)=5 AREA (ha)=9.60
                    DWF (cms)=0  CN/C=54 IA (mm)=19.2
                    N=3 TP (hr)=0.35   -1
*
*# FLOW AT BRYNE DRIVE FROM NORTH TRIB
*
ADD HYD             ID=6  NHYD="251"  IDONE=1  IDTWO=3
*
*# ADD FLOW FROM CATCHMENT BR-2 & 301
*
ADD HYD             ID=7  NHYD="252"  IDONE=6  IDTWO=8
*
*# FLOW AT BRYNE/HARVIE CROSSING CULVERT
*
ADD HYD             ID=1  NHYD="159" IDONE=5  IDTWO=7
*
*#
*# FLOW AT CONFLUENCE OF NORTH AND SOUTH
*#
CALIB NASHYD        ID=2  NHYD="105"  DT (min)=5 AREA (ha)=15.5
                    DWF (cms)=0  CN/C=54 IA (mm)=19.2
                    N=3 TP (hr)=0.37   -1
*
ADD HYD             ID=5 NHYD="160" IDONE=1  IDTWO=2
*
*#
*# FLOW FROM NORTH WOODLOT TO WHISKEY CREEK NORTH OF HARVIE ROAD
*# FLOW FROM THE NORTH SIDE OF HARVIE ROAD TO CULVERT SOUTH
*#
*
CALIB NASHYD        ID=1  NHYD="2032"  DT (min)=5 AREA (ha)=7.1
                    DWF (cms)=0  CN/C=54  IA (mm)=14.96
                    N=3  TP (hr)=0.45  -1
```

Incorporated into model

```
*
CALIB STANDHYD      ID=2 NHYD="204" DT (min)=5 AREA (ha)=1.7
                    XIMP=0.01 TIMP=0.35 DWF (cms)=0 LOSS=2 CN=60
                    IaPerv=5mm  SLPP (%)=4 LGP (m)=60  MNP=0.25  SCP (hr)=0
                    IaImp=1.5mm SLPI (%)=4 LGI (m)=110 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=3 NHYD="253"  IDONE=1  IDTWO=2
*
*#
*# FLOW AT HWY 400 CULVERT
*#
ADD HYD             ID=2 NHYD="254" IDONE=3 IDTWO=5
*
*#
*%-----------------|-------------------------------------------------------------|
* Barrie 5 Year 24 Hour Storm
START               TZERO=[0.0]  METOUT=[0],  NSTORM=[1],  NRUN=[2]
                    SCS5.STM
* Barrie 10 Year 24 Hour Storm
START               TZERO=[0.0]  METOUT=[0],  NSTORM=[1],  NRUN=[3]
                    SCS10.STM
* Barrie 25 Year 24 Hour Storm
START               TZERO=[0.0]  METOUT=[0],  NSTORM=[1],  NRUN=[4]
                    SCS25.STM
* Barrie 50 Year 24 Hour Storm
START               TZERO=[0.0]  METOUT=[0],  NSTORM=[1],  NRUN=[5]
                    SCS50.STM
* Barrie 100 Year 24 Hour Storm
START               TZERO=[0.0]  METOUT=[0],  NSTORM=[1],  NRUN=[6]
                    SCS100.STM
* Barrie 25mm 4 Hour CHICAGO Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[7]
                    25CHI4HR.STM
*%-----------------|-------------------------------------------------------------|
FINISH
```

Lovers Creek Proposed Condition 2yr to 100yr Storm Event

```
Data File:
2     Metric units
*#*************************************************************************
*#  Project Name: [Harvie Essa Bryne]    Project Number: [17-99111-14]
*#  Scenario:Proposed Alternative 2 - Use existing condition model and update
*#                                    the impervious level based on Bryne Drive
*#                                    layout. The existing berm and spillway in
*#                                    the LV14 pond are proposed to raise by 0.15m.
*#                                    The existing LV14 stage-storage-flow
*#                                    curve have been adjusted for evaluation.
*#  Date: June 1995 by Skelton, Brumwell & Associates Inc.
*#  Updated: November 2009 by City of Barrie for LV14 Retrofit
*#  Updated: September 2017 by Hatch for Harvie Essa Bryne Project
*#*************************************************************************
START               TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[1]
                    SCS2.STM
*%-----------------|-------------------------------------------------------|
READ STORM          STORM_FILENAME=["STORM.001"]
*%-----------------|-------------------------------------------------------|
*
*# CATCHMENT L-1 REPRESENT AREA L-1A, L-1B, AND L-1C, AND INCLUDE ALL THE LOTS WITHIN BARRIE VIEW
*# SUBDIVISION DRAINING TO BRYNE DRIVE STORM SEWER (WITH LOT CONTROL)
*# PROPOSED ROADWAY AREA 0.68HA MODELLED AS SEPERATE CATCHMENT L-1D (NO LOT CONTROL)
*
CALIB STANDHYD      ID=1 NHYD="L-1" DT (min)=5 AREA (ha)=5.42
                    XIMP=0.85 TIMP=0.85  DWF (cms)=0  LOSS=2 CN=62
                    IaPerv=5mm  SLPP (%)=1   LGP (m)=80      MNP=0.25  SCP (hr)=0
                    IaImp=2mm  SLPI (%)=1.1  LGI (m)=201.70  MNI=0.013 SCI (hr)=0 -1
*
DIVERT HYD          IDin=[1 ], NIDout=[ 2 ]max five,
                    outflow hydrographs (ID, NHYD)=[ 5 ,"DIVOUT"  / 6 , "DIVOVF"  ]
                    flow distribution table: (modify as necessary)
                    Note: all flows are in (cms)
                         QIDi +   QIDii   =  QTOTAL
                       [   0  +     0     =    0   ]
                       [ 0.89 +     0     =   0.89  ]
                       [ 0.89 +     4     =   4.89  ] end
*
CALIB STANDHYD      ID=9 NHYD="L-1D" DT (min)=5 AREA (ha)=0.68
                    XIMP=0.9 TIMP=0.9  DWF (cms)=0  LOSS=2 CN=62
                    IaPerv=5mm  SLPP (%)=2  LGP (m)=120     MNP=0.25  SCP (hr)=0
                    IaImp=2mm   SLPI (%)=2  LGI (m)=67.33   MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=8 NHYD="450"  IDONE=9  IDTWO=5
*
*# CATCHMENT L-2 REPRESENT AREA DRAINAGE FROM BRYNE DRIVE AND CAPLAN AVENUE ROAD ALLOWANCES
*# PROPOSED CONDITION IMP% INCREASE FROM 75% TO 77%
*
CALIB STANDHYD      ID=2 NHYD="L-2" DT (min)=5 AREA (ha)=1.40
                    XIMP=0.77 TIMP=0.77  DWF (cms)=0  LOSS=2 CN=62
                    IaPerv=5mm  SLPP (%)=2   LGP (m)=4.5    MNP=0.25  SCP (hr)=0
                    IaImp=2mm   SLPI (%)=1   LGI (m)=96.6   MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=3 NHYD="451"  IDONE=8  IDTWO=2
*
*# CATCHMENT L-3 INCLUDES REAR OF LOTS ON BRYNE DRIVE DRAINING DIRECTLY TO POND LV14, LOTS IN
*# FRONT OF CAPLAN AVENUE DRAINING DIRECTING TO POND LV14
*
CALIB STANDHYD      ID=4 NHYD="L-3" DT (min)=5 AREA (ha)=5.80
                    XIMP=0.50 TIMP=0.60  DWF (cms)=0  LOSS=2 CN=62
                    IaPerv=5mm  SLPP (%)=0.9  LGP (m)=50.0  MNP=0.25  SCP (hr)=0
                    IaImp=2mm   SLPI (%)=1.1  LGI (m)=196.6 MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=7 NHYD="452"  IDONE=3  IDTWO=4
*
*# CATCHMENT L-4 REPRESENTS THE INDUSTRIAL SUBDIVISION AT CAPLAN AVE AND HUNTER ROAD
*
CALIB STANDHYD      ID=8 NHYD="L-4" DT (min)=5 AREA (ha)=20.1
                    XIMP=0.50 TIMP=0.72  DWF (cms)=0  LOSS=2 CN=62
```

```
                    IaPerv=5mm  SLPP (%)=1.1   LGP (m)=100.0  MNP=0.25  SCP (hr)=0
                    IaImp=2mm   SLPI (%)=1.1   LGI (m)=366.1  MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=9 NHYD="453"  IDONE=7  IDTWO=8
*
*# ROUTE THROUGH POND LV14
*# PROPOSED BERM RAISED IN POND LV14
*# PROPOSED SPILLWAY ELEV RAISED FROM 303.00 TO 303.10
*
ROUTE RESERVOIR     IDout=[ 1 ],   NHYD=["LV14"],  IDin=[ 9 ],
                    RDT=[ 5 ](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                    (cms) - (ha-m)
                                   [ 0.0 ,  0.0 ]
                                   [0.011, 0.0694]
                                   [0.055, 0.3034]
                                   [0.068, 0.4448]
                                   [0.076, 0.4946]
                                   [0.096, 0.5970]
                                   [0.170, 0.8138]
                                   [0.192, 0.9281]
                                   [0.212, 1.0463]
                                   [0.230, 1.1686]
                                   [0.246, 1.2952]
                                   [0.261, 1.4269]
                                   [0.275, 1.5805]
                                   [0.282, 1.6685]
                                   [0.683, 1.9469]
                                   [1.024, 2.1371]
                                   [2.160, 2.3301]
                                   [3.124, 2.4286]
                                   [5.624, 2.6273]
                                   [   -1, -1]  (max twenty pts)
*
*
*# CATCHMENT L-5 REPRESENTS THE LOVERS CREEK FLOODPLAIN AREA DOWNSTREAM OF POND LV14
*# CATCHMENT L-5 SPLIT INTO L-5A, L-5B, L-5C UNDER PROPOSED CONDITION
*
CALIB NASHYD        ID=2  NHYD="L-5A"  DT (min)=5 AREA (ha)=3.70
                    DWF (cms)=0  CN/C=62 IA (mm)=19.2
                    N=3  TP (hr)=0.25   -1
*
* CATCHMENT L-5B ROADWAY IMP% UP TO 75%
*
CALIB STANDHYD      ID=3 NHYD="L-5B" DT (min)=5 AREA (ha)=0.50
                    XIMP=0.75 TIMP=0.75  DWF (cms)=0  LOSS=2 CN=62
                    IaPerv=5mm  SLPP (%)=1.1   LGP (m)=104  MNP=0.25  SCP (hr)=0
                    IaImp=2mm   SLPI (%)=1.1   LGI (m)=57.7  MNI=0.013 SCI (hr)=0 -1
*
ADD HYD             ID=4 NHYD="454" IDONE=1 IDTWO=2 IDTHREE=3 IDFOUR
*
CALIB NASHYD        ID=1  NHYD="L-5C"  DT (min)=5 AREA (ha)=6.90
                    DWF (cms)=0  CN/C=62 IA (mm)=19.2
                    N=3  TP (hr)=0.33   -1
*
ADD HYD             ID=2 NHYD="455" IDONE=1 IDTWO=4
*
*%-----------------|-------------------------------------------------------------|
* Barrie 2 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[2]
                    SCS5.STM
* Barrie 5 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[3]
                    SCS10.STM
* Barrie 10 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[4]
                    SCS25.STM
* Barrie 25 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[5]
                    SCS50.STM
```

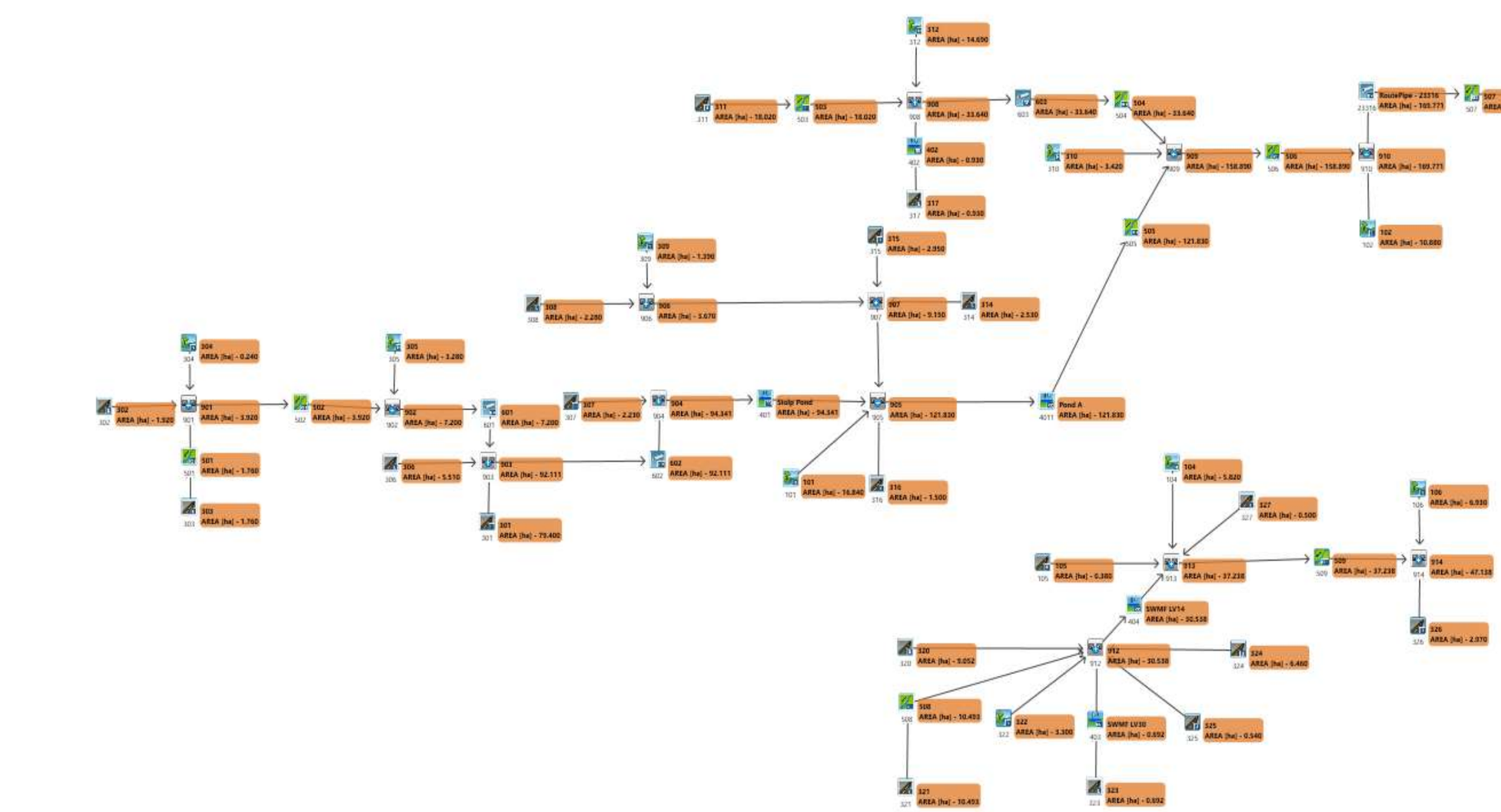
LV14
Stage-Storage-Discharge

```
* Barrie 50 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[6]
                    SCS100.STM
* Barrie 100 Year 24 Hour SCS Storm
START               TZERO=[0.0]  METOUT=[2],  NSTORM=[1],  NRUN=[7]
                    25CHI4HR.STM
* Barrie 25mm 4 Hour CHICAGO Storm
*%-----------------|---------------------------------------------------------|
FINISH
```

Appendix C:
Existing Drainage Conditions

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-18-2022
SUBJECT	Existing Conditions VO Schematic	NAME	LB
		PAGE	1 OF 1



Existing Drainage Conditions - Lovers Creek

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	322
Catchment Area (ha):	3.30
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**			**Tis**								
Soil Series		Dundonald			Tioga								
Hydrologic Soils Group		AB			A								
Soil Texture		Sand Loam			Sand Loam								
Runoff Coefficient Type		1			1								
Area (ha)		0.84			2.46								
Percentage of Catchment		25%			75%								
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.36	98	0.95	0.01	98	0.95						
Gravel	3		81	0.09		76	0.09						
Woodland	10	0.02	46	0.08		32	0.08						
Pasture/Lawns	5	0.46	59	0.10	2.01	49	0.10						
Meadows	8		51	0.09		38	0.09						
Cultivated	7		68	0.22		62	0.22						
Waterbody	12		50	0.05	0.44	50	0.05						
Average CN		75.40			49.38								
Average C		0.46			0.09								
Average IA		3.83			6.24								

Time to Peak Calculations

Max. Catchment Elev. (m):	307.00
Min. Catchment Elev. (m):	302.00
Catchment Length (m):	245
Catchment Slope (%):	2.04%
Method: Airport Method	
Time of Concentration (mins):	36.75

Summary

Catchment CN:	56.0
Catchment C:	0.19
Catchment IA (mm):	5.63
Time of Concentration (hrs):	0.61
Catchment Time to Peak (hrs):	0.41
Catchment Time Step (mins):	4.90

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	104
Catchment Area (ha):	5.82
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**			**Tis**								
Soil Series		Dundonald			Tioga								
Hydrologic Soils Group		AB			A								
Soil Texture		Sand Loam			Sand Loam								
Runoff Coefficient Type		1			1								
Area (ha)		0.10			5.72								
Percentage of Catchment		2%			98%								
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2		98	0.95		98	0.95						
Gravel	3		81	0.09		76	0.09						
Woodland	10	0.04	46	0.08	0.75	32	0.08						
Pasture/Lawns	5	0.06	59	0.10	1.43	49	0.10						
Meadows	8		51	0.09		38	0.09						
Cultivated	7		68	0.22	3.39	62	0.22						
Waterbody	12		50	0.05	0.15	50	0.05						
Average CN		53.80			54.50								
Average C		0.09			0.17								
Average IA		7.00			7.02								

Time to Peak Calculations

Max. Catchment Elev. (m):	302.75
Min. Catchment Elev. (m):	299.69
Catchment Length (m):	376.1
Catchment Slope (%):	0.81%
Method: Airport Method	
Time of Concentration (mins):	63.22

Summary

Catchment CN:	54.5
Catchment C:	0.17
Catchment IA (mm):	7.02
Time of Concentration (hrs):	1.05
Catchment Time to Peak (hrs):	0.70
Catchment Time Step (mins):	8.43

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	106
Catchment Area (ha):	6.93
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		6.93											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2		98	0.95									
Gravel	3		76	0.09									
Woodland	10	2.25	32	0.08									
Pasture/Lawns	5	0.09	49	0.10									
Meadows	8		38	0.09									
Cultivated	7	4.59	62	0.22									
Waterbody	12		50	0.05									
Average CN		52.09											
Average C		0.17											
Average IA		7.95											

Time to Peak Calculations

Max. Catchment Elev. (m):	303.75
Min. Catchment Elev. (m):	297.75
Catchment Length (m):	251.9
Catchment Slope (%):	2.38%
Method: Airport Method	
Time of Concentration (mins):	36.02

Summary

Catchment CN:	52.1
Catchment C:	0.17
Catchment IA (mm):	7.95
Time of Concentration (hrs):	0.60
Catchment Time to Peak (hrs):	0.40
Catchment Time Step (mins):	4.80

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Interim	NAME	LB
		PAGE	1 OF 2

CATCHMENT 320

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	9.05	59%	5.34	100%	5.34	3.71	54.04	6.08
Total	**9.05**	**59%**	**5.34**	**59%**	**5.34**	**3.71**	**54.04**	**6.08**

CATCHMENT 321

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	10.49	59%	6.19	100%	6.19	4.30	57.93	5.41
Total	**10.49**	**59%**	**6.19**	**59%**	**6.19**	**4.30**	**57.93**	**5.41**

CATCHMENT 323

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.69	88%	0.61	100%	0.61	0.08	50.98	8.08
Total	**0.69**	**88%**	**0.61**	**88%**	**0.61**	**0.08**	**50.98**	**8.08**

CATCHMENT 324

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	6.46	71%	4.59	100%	4.59	1.87	53.1	5.35
Total	**6.46**	**71%**	**4.59**	**71%**	**4.59**	**1.87**	**53.1**	**5.35**

CATCHMENT 325 (L-1D PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.54	90%	0.49	100%	0.49	0.05	62	5
Total	**0.54**	**90%**	**0.49**	**90%**	**0.49**	**0.05**	**62**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Interim	NAME	LB
		PAGE	2 OF 2

CATCHMENT 326

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.97	36%	1.07	100%	1.07	1.90	49	5
Total	**2.97**	**36%**	**1.07**	**36%**	**1.07**	**1.90**	**49**	**5**

CATCHMENT 327 (L-5B PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.50	75%	0.38	100%	0.38	0.13	62	5
Total	**0.50**	**75%**	**0.38**	**75%**	**0.38**	**0.13**	**62**	**5**

CATCHMENT 105

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.38	75%	0.29	100%	0.29	0.10	54	5
Total	**0.38**	**75%**	**0.29**	**75%**	**0.29**	**0.10**	**54**	**5**

Existing Drainage Conditions – Barrie Creeks

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	101
Catchment Area (ha):	16.84
Impervious %:	8%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**			**Tisl**								
Soil Series		Dundonald			Tioga								
Hydrologic Soils Group		AB			A								
Soil Texture		Sand Loam			Sand Loam								
Runoff Coefficient Type		1			1								
Area (ha)		1.87			14.97								
Percentage of Catchment		11%			89%								
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2		98	0.95	1.10	98	0.95						
Gravel	3		81	0.09	0.36	76	0.09						
Woodland	10		46	0.08	3.96	32	0.08						
Pasture/Lawns	5	0.87	59	0.10	2.75	49	0.10						
Meadows	8		51	0.09	0.92	38	0.09						
Cultivated	7	1.00	68	0.22	5.38	62	0.22						
Waterbody	12		50	0.05	0.50	50	0.05						
Average CN		63.81			52.78								
Average C		0.16			0.20								
Average IA		6.07			7.19								

Time to Peak Calculations

Max. Catchment Elev. (m):	303.00
Min. Catchment Elev. (m):	295.75
Catchment Length (m):	270
Catchment Slope (%):	2.69%
Method: Airport Method	
Time of Concentration (mins):	35.03

Summary

Catchment CN:	54.0
Catchment C:	0.19
Catchment IA (mm):	7.07
Time of Concentration (hrs):	0.58
Catchment Time to Peak (hrs):	0.39
Catchment Time Step (mins):	4.67

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	102
Catchment Area (ha):	10.88
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tisl**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		10.88											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.12	98	0.95									
Gravel	3	0.41	76	0.09									
Woodland	10	0.70	32	0.08									
Pasture/Lawns	5	2.58	49	0.10									
Meadows	8	0.52	38	0.09									
Cultivated	7	6.55	62	0.22									
Waterbody	12		50	0.05									
Average CN		56.76											
Average C		0.18											
Average IA		6.56											

Time to Peak Calculations

Max. Catchment Elev. (m):	301.38
Min. Catchment Elev. (m):	284.76
Catchment Length (m):	405
Catchment Slope (%):	4.10%
Method: Airport Method	
Time of Concentration (mins):	37.90

Summary

Catchment CN:	56.8
Catchment C:	0.18
Catchment IA (mm):	6.56
Time of Concentration (hrs):	0.63
Catchment Time to Peak (hrs):	0.42
Catchment Time Step (mins):	5.05

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	103
Catchment Area (ha):	6.20
Impervious %:	18%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**TisI**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		6.20											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	1.12	98	0.95									
Gravel	3		76	0.09									
Woodland	10		32	0.08									
Pasture/Lawns	5	2.14	49	0.10									
Meadows	8		38	0.09									
Cultivated	7	2.94	62	0.22									
Waterbody	12		50	0.05									
Average CN		64.02											
Average C		0.31											
Average IA		5.41											

Time to Peak Calculations

Max. Catchment Elev. (m):	301.40
Min. Catchment Elev. (m):	290.47
Catchment Length (m):	348.28
Catchment Slope (%):	3.14%
Method: Airport Method	
Time of Concentration (mins):	32.93

Summary

Catchment CN:	64.0
Catchment C:	0.31
Catchment IA (mm):	5.41
Time of Concentration (hrs):	0.55
Catchment Time to Peak (hrs):	0.37
Catchment Time Step (mins):	4.39

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	304
Catchment Area (ha):	0.24
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**											
Soil Series		Dundonald											
Hydrologic Soils Group		AB											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		0.24											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2		98	0.95									
Gravel	3		81	0.09									
Woodland	10	0.23	46	0.08									
Pasture/Lawns	5	0.01	59	0.10									
Meadows	8		51	0.09									
Cultivated	7		68	0.22									
Waterbody	12		50	0.05									
Average CN		46.54											
Average C		0.08											
Average IA		9.79											

Time to Peak Calculations

Max. Catchment Elev. (m):	310.50
Min. Catchment Elev. (m):	308.00
Catchment Length (m):	53
Catchment Slope (%):	4.72%
Method: Airport Method	
Time of Concentration (mins):	14.50

Summary

Catchment CN:	46.5
Catchment C:	0.08
Catchment IA (mm):	9.79
Time of Concentration (hrs):	0.24
Catchment Time to Peak (hrs):	0.16
Catchment Time Step (mins):	1.93

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	305
Catchment Area (ha):	3.28
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**											
Soil Series		Dundonald											
Hydrologic Soils Group		AB											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		3.28											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2		98	0.95									
Gravel	3		81	0.09									
Woodland	10	2.32	46	0.08									
Pasture/Lawns	5	0.96	59	0.10									
Meadows	8		51	0.09									
Cultivated	7		68	0.22									
Waterbody	12		50	0.05									
Average CN		49.80											
Average C		0.09											
Average IA		8.54											

Time to Peak Calculations

Max. Catchment Elev. (m):	308.60
Min. Catchment Elev. (m):	304.50
Catchment Length (m):	240
Catchment Slope (%):	1.71%
Method: Airport Method	
Time of Concentration (mins):	42.92

Summary

Catchment CN:	49.8
Catchment C:	0.09
Catchment IA (mm):	8.54
Time of Concentration (hrs):	0.72
Catchment Time to Peak (hrs):	0.48
Catchment Time Step (mins):	5.72

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	309
Catchment Area (ha):	1.39
Impervious %:	11%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**											
Soil Series		Dundonald											
Hydrologic Soils Group		AB											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		1.39											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.15	98	0.95									
Gravel	3		81	0.09									
Woodland	10	0.61	46	0.08									
Pasture/Lawns	5	0.63	59	0.10									
Meadows	8		51	0.09									
Cultivated	7		68	0.22									
Waterbody	12		50	0.05									
Average CN		57.36											
Average C		0.18											
Average IA		6.89											

Time to Peak Calculations

Max. Catchment Elev. (m):	311.00
Min. Catchment Elev. (m):	307.72
Catchment Length (m):	101
Catchment Slope (%):	3.25%
Method: Airport Method	
Time of Concentration (mins):	20.42

Summary

Catchment CN:	57.4
Catchment C:	0.18
Catchment IA (mm):	6.89
Time of Concentration (hrs):	0.34
Catchment Time to Peak (hrs):	0.23
Catchment Time Step (mins):	2.72

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	310
Catchment Area (ha):	3.42
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tisl**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		3.42											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.24	98	0.95									
Gravel	3		76	0.09									
Woodland	10	1.70	32	0.08									
Pasture/Lawns	5		49	0.10									
Meadows	8	1.48	38	0.09									
Cultivated	7		62	0.22									
Waterbody	12		50	0.05									
Average CN		39.23											
Average C		0.15											
Average IA		8.57											

Time to Peak Calculations

Max. Catchment Elev. (m):	305.00
Min. Catchment Elev. (m):	292.00
Catchment Length (m):	450
Catchment Slope (%):	2.89%
Method: Airport Method	
Time of Concentration (mins):	46.52

Summary

Catchment CN:	39.2
Catchment C:	0.15
Catchment IA (mm):	8.57
Time of Concentration (hrs):	0.78
Catchment Time to Peak (hrs):	0.52
Catchment Time Step (mins):	6.20

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	312
Catchment Area (ha):	14.69
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**			**Tisl**								
Soil Series		Dundonald			Tioga								
Hydrologic Soils Group		AB			A								
Soil Texture		Sand Loam			Sand Loam								
Runoff Coefficient Type		1			1								
Area (ha)		4.16			10.53								
Percentage of Catchment		28%			72%								
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.05	98	0.95	0.10	98	0.95						
Gravel	3		81	0.09		76	0.09						
Woodland	10	1.90	46	0.08	7.66	32	0.08						
Pasture/Lawns	5	2.21	59	0.10	2.77	49	0.10						
Meadows	8		51	0.09		38	0.09						
Cultivated	7		68	0.22		62	0.22						
Waterbody	12		50	0.05		50	0.05						
Average CN		53.53			37.10								
Average C		0.10			0.09								
Average IA		7.25			8.61								

Time to Peak Calculations

Max. Catchment Elev. (m):	307.15
Min. Catchment Elev. (m):	292.54
Catchment Length (m):	504.106
Catchment Slope (%):	2.90%
Method: Airport Method	
Time of Concentration (mins):	51.74

Summary

Catchment CN:	41.8
Catchment C:	0.10
Catchment IA (mm):	8.22
Time of Concentration (hrs):	0.86
Catchment Time to Peak (hrs):	0.57
Catchment Time Step (mins):	6.90

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Pre-Development Condition

Watershed:	LSRCA
Catchment ID:	313
Catchment Area (ha):	9.60
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tisl**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		9.60											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.08	98	0.95									
Gravel	3		76	0.09									
Woodland	10	9.27	32	0.08									
Pasture/Lawns	5		49	0.10									
Meadows	8	0.25	38	0.09									
Cultivated	7		62	0.22									
Waterbody	12		50	0.05									
Average CN		32.71											
Average C		0.09											
Average IA		9.88											

Time to Peak Calculations

Max. Catchment Elev. (m):	309.20
Min. Catchment Elev. (m):	293.40
Catchment Length (m):	448.9
Catchment Slope (%):	3.52%
Method: Airport Method	
Time of Concentration (mins):	46.17

Summary

Catchment CN:	32.7
Catchment C:	0.09
Catchment IA (mm):	9.88
Time of Concentration (hrs):	0.77
Catchment Time to Peak (hrs):	0.51
Catchment Time Step (mins):	6.16

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Interim	NAME	LB
		PAGE	1 OF 3

CATCHMENT 301								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	79.40	55%	38.17	68%	24.85	41.23	58.79	5.08
Total	**79.40**	**48%**	**38.17**	**31%**	**24.85**	**41.23**	**58.79**	**5.08**

CATCHMENT 302								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	1.92	40%	0.78	53%	0.41	1.14	59	5
Total	**1.92**	**40%**	**0.78**	**21%**	**0.41**	**1.14**	**59**	**5**

CATCHMENT 303								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.76	44%	0.77	90%	0.70	0.99	58.74	5.1
Total	**1.76**	**44%**	**0.77**	**40%**	**0.70**	**0.99**	**58.74**	**5.1**

CATCHMENT 306								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	5.51	36%	1.97	60%	1.19	3.55	52.47	7
Total	**5.51**	**36%**	**1.97**	**22%**	**1.19**	**3.55**	**52.47**	**7**

CATCHMENT 307								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.23	48%	1.07	68%	0.73	1.16	49	5
Total	**2.23**	**48%**	**1.07**	**33%**	**0.73**	**1.16**	**49**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Interim	NAME	LB
		PAGE	2 OF 3

CATCHMENT 308

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	2.28	40%	0.92	53%	0.49	1.36	59	5
Total	**2.28**	**40%**	**0.92**	**21%**	**0.49**	**1.36**	**59**	**5**

CATCHMENT 311

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	18.02	35%	6.35	2%	4.92	11.67	55.82	5.95
Total	**18.02**	**35%**	**6.35**	**27%**	**4.92**	**11.67**	**55.82**	**5.95**

CATCHMENT 314 (207 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.53	90%	2.28	100%	2.28	0.25	54	5
Total	**2.53**	**90%**	**2.28**	**90%**	**2.28**	**0.25**	**54**	**5**

CATCHMENT 315 (208 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.95	87%	2.57	85%	2.18	0.38	54	5
Total	**2.95**	**87%**	**2.57**	**74%**	**2.18**	**0.38**	**54**	**5**

CATCHMENT 316 (BRW3 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.50	70%	1.05	100%	1.05	0.45	60	5
Total	**1.50**	**70%**	**1.05**	**70%**	**1.05**	**0.45**	**60**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Interim	NAME	LB
		PAGE	3 OF 3

CATCHMENT 317 (BRW2 PER HATCH 2020)								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.93	89%	0.83	100%	0.83	0.10	60	5
Total	**0.93**	**89%**	**0.83**	**89%**	**0.83**	**0.10**	**60**	**5**

CATCHMENT 318 (204 PER HATCH 2020)								
Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.04	35%	0.36	2%	0.01	0.68	60	5
Total	**1.04**	**35%**	**0.36**	**1%**	**0.01**	**0.68**	**60**	**5**

```
************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     2.794      1.63      14.61
   OUTFLOW: ID= 1 (  0401)     94.340     0.878      2.77      14.60

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 31.42
                  TIME SHIFT OF PEAK FLOW          (min)= 68.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9104

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     4.361      1.60      22.28
   OUTFLOW: ID= 1 (  0401)     94.340     2.547      2.13      22.28

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 58.40
                  TIME SHIFT OF PEAK FLOW          (min)= 32.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9775

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     5.878      1.60      27.93
   OUTFLOW: ID= 1 (  0401)     94.340     4.000      1.97      27.92

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 68.05
                  TIME SHIFT OF PEAK FLOW          (min)= 22.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0363

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     7.654      1.57      35.46
   OUTFLOW: ID= 1 (  0401)     94.340     5.866      1.83      35.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 76.64
                  TIME SHIFT OF PEAK FLOW          (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1077

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     8.821      1.53      41.08
   OUTFLOW: ID= 1 (  0401)     94.340     7.149      1.80      41.07

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 81.04
                  TIME SHIFT OF PEAK FLOW          (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1573

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    10.554      1.53      46.82
   OUTFLOW: ID= 1 (  0401)     94.340     8.760      1.73      46.81

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 83.00
                  TIME SHIFT OF PEAK FLOW          (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2189

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 07 - 2Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     3.225      3.47      17.53
   OUTFLOW: ID= 1 (  0401)     94.340     1.552      4.13      17.52

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 48.13
                  TIME SHIFT OF PEAK FLOW          (min)= 40.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9376

------------------------------------------------------------------------------
```

```
************************************
** SIMULATION:Run 08 - 5Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     5.652      3.43      27.80
   OUTFLOW: ID= 1 (  0401)     94.340     4.212      3.70      27.80

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 74.52
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0449

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 09 - 10Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     7.530      3.43      35.17
   OUTFLOW: ID= 1 (  0401)     94.340     6.224      3.60      35.16

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 82.66
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1215

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 10 - 25Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    10.067      3.40      45.12
   OUTFLOW: ID= 1 (  0401)     94.340     8.863      3.53      45.11

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 88.04
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2220

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 11 - 50Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    12.367      3.37      52.87
   OUTFLOW: ID= 1 (  0401)     94.340    11.448      3.50      52.86

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.58
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2957

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 12 - 100Y6H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    14.448      3.37      60.79
   OUTFLOW: ID= 1 (  0401)     94.340    13.733      3.47      60.78

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.05
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3450

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 13 - 2Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     3.058      6.50      20.03
   OUTFLOW: ID= 1 (  0401)     94.340     1.625      7.07      20.02

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 53.15
                  TIME SHIFT OF PEAK FLOW         (min)= 34.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9406

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 14 - 5Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     5.144      6.43      30.89
   OUTFLOW: ID= 1 (  0401)     94.340     4.045      6.70      30.88

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 78.65
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0379

------------------------------------------------------------------------------------
```

```
************************************
** SIMULATION:Run 15 - 10Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     6.763      6.43      38.69
   OUTFLOW: ID= 1 (  0401)     94.340     5.824      6.60      38.68

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 86.12
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1060

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 16 - 25Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     9.216      6.40      49.06
   OUTFLOW: ID= 1 (  0401)     94.340     8.372      6.53      49.05

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 90.84
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2033

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 17 - 50Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    10.872      6.40      57.16
   OUTFLOW: ID= 1 (  0401)     94.340    10.098      6.50      57.15

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.88
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2644

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 18 - 100Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340    13.000      6.37      65.37
   OUTFLOW: ID= 1 (  0401)     94.340    12.435      6.47      65.36

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.66
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3161

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 19 - 2Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     3.176     12.50      25.00
   OUTFLOW: ID= 1 (  0401)     94.340     1.960     12.97      24.96

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 61.70
                  TIME SHIFT OF PEAK FLOW         (min)= 28.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9539

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 20 - 5Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     5.396     12.43      38.70
   OUTFLOW: ID= 1 (  0401)     94.340     4.590     12.63      38.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 85.07
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0591

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 21 - 10Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     7.241     12.47      48.52
   OUTFLOW: ID= 1 (  0401)     94.340     6.593     12.57      48.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 91.05
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1354

------------------------------------------------------------------------------
```

```
************************************
** SIMULATION:Run 22 - 25Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520      0.8811
                          0.0810     0.2027   |   4.1260      1.0410
                          0.1150     0.4510   |   9.7950      1.2575
                          0.1410     0.7298   |  16.9200      1.4155
                          0.1460     0.7893   |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340      9.722     12.40      61.53
   OUTFLOW: ID= 1 (  0401)     94.340      9.013     12.53      61.47

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.71
                    TIME SHIFT OF PEAK FLOW         (min)=  8.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  1.2286

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 23 - 50Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520      0.8811
                          0.0810     0.2027   |   4.1260      1.0410
                          0.1150     0.4510   |   9.7950      1.2575
                          0.1410     0.7298   |  16.9200      1.4155
                          0.1460     0.7893   |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     11.440     12.40      71.68
   OUTFLOW: ID= 1 (  0401)     94.340     10.876     12.47      71.63

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.07
                    TIME SHIFT OF PEAK FLOW         (min)=  4.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  1.2824

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 24 - 100Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520      0.8811
                          0.0810     0.2027   |   4.1260      1.0410
                          0.1150     0.4510   |   9.7950      1.2575
                          0.1410     0.7298   |  16.9200      1.4155
                          0.1460     0.7893   |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     13.706     12.37      81.97
   OUTFLOW: ID= 1 (  0401)     94.340     13.185     12.47      81.92

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 96.19
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  1.3333

------------------------------------------------------------------------------------
********************************
** SIMULATION:Run 25 - 25 mm  **
********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520      0.8811
                          0.0810     0.2027   |   4.1260      1.0410
                          0.1150     0.4510   |   9.7950      1.2575
                          0.1410     0.7298   |  16.9200      1.4155
                          0.1460     0.7893   |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340      1.204      1.93       8.65
   OUTFLOW: ID= 1 (  0401)     94.340      0.133      4.93       8.65

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 11.05
                    TIME SHIFT OF PEAK FLOW         (min)=180.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.6453

------------------------------------------------------------------------------------
********************************
** SIMULATION:Run 26 - Hazel  **
********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520      0.8811
                          0.0810     0.2027   |   4.1260      1.0410
                          0.1150     0.4510   |   9.7950      1.2575
                          0.1410     0.7298   |  16.9200      1.4155
                          0.1460     0.7893   |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.340     10.015     10.17     148.33
   OUTFLOW: ID= 1 (  0401)     94.340      9.915     10.27     148.32

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 99.00
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  1.2602

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Pond 'A' Existing Conditions AMC II

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************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     1.444      1.33      13.78
   OUTFLOW: ID= 1 (  4011)    121.830     0.675      3.43      13.78

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 46.74
                  TIME SHIFT OF PEAK FLOW         (min)=126.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1184

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     2.925      2.13      21.08
   OUTFLOW: ID= 1 (  4011)    121.830     0.951      3.53      21.08

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 32.51
                  TIME SHIFT OF PEAK FLOW         (min)= 84.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.6764

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     4.586      1.97      26.48
   OUTFLOW: ID= 1 (  4011)    121.830     1.041      3.73      26.48

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 22.70
                  TIME SHIFT OF PEAK FLOW         (min)=106.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2029

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     6.768      1.83      33.70
   OUTFLOW: ID= 1 (  4011)    121.830     1.133      4.03      33.70

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 16.74
                  TIME SHIFT OF PEAK FLOW         (min)=132.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.9440

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     8.237      1.77      39.11
   OUTFLOW: ID= 1 (  4011)    121.830     1.186      4.13      39.11

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 14.40
                  TIME SHIFT OF PEAK FLOW         (min)=142.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.5189

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830    10.095      1.73      44.64
   OUTFLOW: ID= 1 (  4011)    121.830     1.237      4.20      44.64

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.25
                  TIME SHIFT OF PEAK FLOW         (min)=148.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.1269

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 07 - 2Y6H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    121.830     1.752      4.10      16.55
```

```
   OUTFLOW: ID= 1 (  4011)    121.830      0.811      4.97      16.55

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 46.30
                  TIME SHIFT OF PEAK FLOW          (min)= 52.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.2775

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 08 - 5Y6H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     4.866      3.70       26.35
   OUTFLOW: ID= 1 (  4011)    121.830     1.034      5.17       26.35

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 21.24
                  TIME SHIFT OF PEAK FLOW          (min)= 88.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1538

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 09 - 10Y6H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     7.145      3.60       33.41
   OUTFLOW: ID= 1 (  4011)    121.830     1.124      5.30       33.41

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 15.73
                  TIME SHIFT OF PEAK FLOW          (min)=102.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.8468

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 10 - 25Y6H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830    10.155      3.53       42.99
   OUTFLOW: ID= 1 (  4011)    121.830     1.215      5.50       42.99

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 11.96
                  TIME SHIFT OF PEAK FLOW          (min)=118.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.8261

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 11 - 50Y6H.STM **
```

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**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     13.005      3.50       50.46
   OUTFLOW: ID= 1 (  4011)    121.830      1.269      5.63       50.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  9.76
                  TIME SHIFT OF PEAK FLOW          (min)=128.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.6145

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 12 - 100Y6H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     15.582      3.47       58.12
   OUTFLOW: ID= 1 (  4011)    121.830      1.325      5.77       58.12

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  8.50
                  TIME SHIFT OF PEAK FLOW          (min)=138.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  4.4310

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 13 - 2Y12H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
                           0.9700     0.7330   |  13.2200      8.4900
                           1.1000     1.5914   |  15.5500      8.8270
                           1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK        R.V.
                                (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830      1.828      7.07       18.93
   OUTFLOW: ID= 1 (  4011)    121.830      0.819      7.90       18.93

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 44.81
                  TIME SHIFT OF PEAK FLOW          (min)= 50.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.2873

------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 14 - 5Y12H.STM **
**********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   1.3300      4.5112
                           0.6400     0.0757   |   1.4200      6.4920
                           0.8200     0.2880   |   8.1600      7.9041
```

```
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830     4.666      6.70      29.30
 OUTFLOW: ID= 1 (  4011)    121.830     1.025      8.07      29.30

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 21.96
              TIME SHIFT OF PEAK FLOW         (min)= 82.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  1.0938

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 15 - 10Y12H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830     6.697      6.60      36.80
 OUTFLOW: ID= 1 (  4011)    121.830     1.113      8.27      36.80

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 16.62
              TIME SHIFT OF PEAK FLOW         (min)=100.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  1.7354

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 16 - 25Y12H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830     9.587      6.53      46.79
 OUTFLOW: ID= 1 (  4011)    121.830     1.197      8.50      46.79

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.49
              TIME SHIFT OF PEAK FLOW         (min)=118.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  2.6390

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 17 - 50Y12H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830    11.556      6.50      54.62
 OUTFLOW: ID= 1 (  4011)    121.830     1.252      8.63      54.61

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.84
              TIME SHIFT OF PEAK FLOW         (min)=128.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  3.3623

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 18 - 100Y12H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830    14.182      6.47      62.57
 OUTFLOW: ID= 1 (  4011)    121.830     1.303      8.73      62.57

              PEAK   FLOW   REDUCTION [Qout/Qin](%)=  9.19
              TIME SHIFT OF PEAK FLOW         (min)=136.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  4.1158

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 19 - 2Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830     2.212     12.97      23.64
 OUTFLOW: ID= 1 (  4011)    121.830     0.851     13.73      23.64

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 38.48
              TIME SHIFT OF PEAK FLOW         (min)= 46.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.3811

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 20 - 5Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                    0.0000     0.0000   |   1.3300      4.5112
                    0.6400     0.0757   |   1.4200      6.4920
                    0.8200     0.2880   |   8.1600      7.9041
                    0.9700     0.7330   |  13.2200      8.4900
                    1.1000     1.5914   |  15.5500      8.8270
                    1.2200     2.8814   |  17.7000      8.9000

                          AREA     QPEAK     TPEAK       R.V.
                          (ha)     (cms)     (hrs)       (mm)
 INFLOW : ID= 2 (  0905)    121.830     5.290     12.63      36.77
 OUTFLOW: ID= 1 (  4011)    121.830     1.052     13.83      36.77

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 19.88
              TIME SHIFT OF PEAK FLOW         (min)= 72.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  1.2736

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 21 - 10Y24H.STM **
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```
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     7.562     12.57       46.23
   OUTFLOW: ID= 1 (  4011)    121.830     1.135     14.60       46.23

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 15.01
                  TIME SHIFT OF PEAK FLOW         (min)=122.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.9721

-------------------------------------------------------------------------------
***********************************
** SIMULATION:Run 22 - 25Y24H.STM **
***********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830    10.352     12.50       58.80
   OUTFLOW: ID= 1 (  4011)    121.830     1.227     14.77       58.80

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 11.85
                  TIME SHIFT OF PEAK FLOW         (min)=136.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.9823

-------------------------------------------------------------------------------
***********************************
** SIMULATION:Run 23 - 50Y24H.STM **
***********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830    12.504     12.47       68.65
   OUTFLOW: ID= 1 (  4011)    121.830     1.281     14.87       68.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.25
                  TIME SHIFT OF PEAK FLOW         (min)=144.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.7901

-------------------------------------------------------------------------------
************************************
** SIMULATION:Run 24 - 100Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830    15.099     12.47       78.65
   OUTFLOW: ID= 1 (  4011)    121.830     1.335     14.97       78.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  8.84
                  TIME SHIFT OF PEAK FLOW         (min)=150.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  4.6268

-------------------------------------------------------------------------------
*********************************
** SIMULATION:Run 25 - 25 mm  **
*********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830     0.694      1.50        8.14
   OUTFLOW: ID= 1 (  4011)    121.830     0.342      1.63        8.14

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 49.19
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0405

-------------------------------------------------------------------------------
*********************************
** SIMULATION:Run 26 - Hazel  **
*********************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    121.830    12.409     10.23      143.57
   OUTFLOW: ID= 1 (  4011)    121.830    10.124     11.20      143.57

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 81.59
                  TIME SHIFT OF PEAK FLOW         (min)= 58.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  8.1319

-------------------------------------------------------------------------------
```

Existing Conditions - AMC II

```
================================================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\b8a26b6b-6e85
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\b8a26b6b-6e85


DATE: 03-14-2022                          TIME: 04:17:31

USER:


COMMENTS: _____________________________________________________

 **********************************************
 ** SIMULATION : Run 01 - CHI2YR.stm          **
 **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.53    2.31 0.06   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.13  1.37  17.10 0.46   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.12  1.37  17.10  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.10  1.33  12.74 0.34   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.10  1.33  11.58  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.21  1.33  14.06  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.13  1.50  14.04  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.01  2.00    2.84 0.08   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.13  1.50    8.94  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.13  1.53    8.94  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.21  1.40  11.14 0.30   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.40    2.52  1.63  15.36 0.42   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    2.62  1.63  15.09  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    2.75  1.63  14.61  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    2.75  1.63  14.61  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.15  1.33  14.60 0.40   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    2.79  1.63  14.61  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    0.88  2.77  14.60  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.11  1.87    3.63 0.10   0.000
    [CN=54.0       ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.01  1.63    4.13 0.11   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  1.33  12.74 0.34   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  1.33   9.48  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.52  1.33  28.40 0.77   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.52  1.33  32.32 0.87   0.000
    [I%=90.0:S%= 2.00]
*
```

```
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.04  1.33  30.21  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.16  1.33  21.90  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.25  1.33  26.34 0.71   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.26  1.33   5.48  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    0.94  2.77  13.12  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    1.44  1.33  13.78  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              4011  1  2.0  121.83    0.68  3.43  13.78  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.67  3.47  13.78  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.04  2.17   2.16 0.06   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.57  1.53  12.91 0.35   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.52  1.63  12.91  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.19  1.33  32.11 0.87   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:              0402  1  5.0    0.93    0.06  1.42  32.11  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.09  1.92   3.94  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.61  1.63   8.75  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.61  1.63   8.75  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.60  1.67   8.75  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.01  2.08   1.91 0.05   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.61  1.67   8.11  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.23  1.63  12.46  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.22  1.67  12.45  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.08  1.83   4.13 0.11   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    1.29  1.67  11.92  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    1.29  1.67  11.92  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    1.29  1.70  11.92  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.02  2.08   1.33 0.04   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.07  1.80   5.70 0.15   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.02  1.58   8.09 0.22   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.08  1.83   3.05  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.10  1.80   3.36  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    1.38  1.70  11.15  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.04  1.83   3.20 0.09   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.03  2.33   3.70 0.10   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.02  1.87   4.25 0.11   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.14  1.33  31.06 0.84   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:              0403  1  2.0    0.69    0.03  1.57  30.36  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.73  1.40  25.79 0.70   0.000
    [I%=70.5:S%= 2.00]
```

```
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    0.88  1.40  22.17 0.60   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.13  1.37  22.59 0.61   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.68  1.50  22.58  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.11  1.33  31.95 0.86   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    0.88  1.40  17.38  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    1.61  1.40  20.27  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    1.67  1.37  20.60  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    1.68  1.40  20.93  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    2.29  1.40  21.50  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.09  4.17  21.02  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.07  1.33  27.99 0.76   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.09  1.33  28.32 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.07  1.33   5.19  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.16  1.33   6.92  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.17  1.33  18.49  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.11  2.90  18.48  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.24  1.33  15.14 0.41   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.24  1.33   6.79  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.33  1.33  16.03  n/a   0.000
*
================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

         OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
        O   O    T      T    H   H   Y Y   MM MM  O   O
        O   O    T      T    H   H    Y    M M M  O   O
         OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\95c33cfb-7074
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\95c33cfb-7074

DATE: 03-14-2022                          TIME: 04:17:30

USER:

COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : Run 02 - CHI5YR.stm           **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.53   4.98 0.10   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.18  1.37  25.32 0.50   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.18  1.37  25.32  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.13  1.33  19.93 0.39   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.14  1.33  18.27  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.30  1.33  21.44  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.20  1.50  21.41  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.03  2.00   5.91 0.12   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.21  1.53  14.35  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.21  1.57  14.35  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
```

```
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.30  1.37  17.37 0.34   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    3.89  1.60  23.36 0.46   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    4.07  1.60  22.97  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    4.28  1.60  22.29  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    4.28  1.60  22.29  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.21  1.33  21.79 0.43   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    4.36  1.60  22.28  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    2.55  2.13  22.28  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.22  1.83   7.27 0.14   0.000
    [CN=54.0        ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.03  1.60   8.20 0.16   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.16  1.33  19.93 0.39   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.17  1.33  15.49  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.69  1.33  40.11 0.79   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.69  1.33  44.91 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.38  1.33  42.32  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.55  1.33  31.56  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.33  1.33  37.20 0.74   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.36  1.33   9.71  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    2.76  2.13  20.23  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    2.92  2.13  21.08  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    0.95  3.53  21.08  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.95  3.57  21.08  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.09  2.08   4.52 0.09   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.85  1.50  19.76 0.39   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.78  1.60  19.76  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.25  1.33  44.68 0.88   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.07  1.50  44.68  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.15  2.00   6.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.02  2.00   4.04 0.08   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.92  1.63  12.89  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.60  1.63  19.17  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.60  1.67  19.17  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.15  1.83   8.15 0.16   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    1.74  1.70  18.46  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    1.74  1.73  18.46  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    1.74  1.73  18.46  n/a   0.000
*
    READ STORM                 10.0
```

```
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.04  2.08    2.93 0.06   0.000
    [CN=32.7       ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.13  1.80  10.82 0.21   0.000
    [CN=64.0       ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.04  1.50  14.43 0.29   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.16  1.83   6.03  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.19  1.80   6.55  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    1.93  1.77  17.39  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.08  1.83   6.56 0.13   0.000
    [CN=52.1       ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.05  2.25   7.40 0.15   0.000
    [CN=54.5       ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.05  1.87   8.24 0.16   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.18  1.33  43.36 0.86   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.07  1.47  42.66  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.00  1.40  36.44 0.72   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.26  1.37  31.69 0.63   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.57  1.37  32.37 0.64   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.98  1.47  32.35  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.15  1.33  44.66 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.27  1.37  25.42  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.26  1.37  29.21  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.37  1.37  29.64  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.41  1.37  30.09  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.26  1.40  30.86  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.16  4.10  30.23  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.09  1.33  39.10 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.12  1.33  39.71 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.09  1.33   9.35  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.21  1.33  11.61  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.24  1.33  26.88  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.20  3.07  26.87  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.32  1.33  22.10 0.44   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.33  1.33  11.22  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.45  1.33  23.59  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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```

```
                ******  S U M M A R Y   O U T P U T  ******

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\db2cd1b0-7940
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\db2cd1b0-7940

DATE: 03-14-2022                          TIME: 04:17:32

USER:

COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 03 - CHI10YR.stm          **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA   ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha    '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.50   7.28 0.12   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.22  1.37  31.25 0.52   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.22  1.37  31.25  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.17  1.33  25.32 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.17  1.33  23.31  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.38  1.33  26.88  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26  1.50  26.85  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.04  1.92   8.52 0.14   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.28  1.53  18.50  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.28  1.53  18.50  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.37  1.37  22.04 0.37   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.40    5.26  1.60  29.22 0.49   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    5.49  1.60  28.75  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    5.76  1.60  27.95  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    5.77  1.60  27.95  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.26  1.33  27.03 0.45   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    5.88  1.60  27.93  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    4.00  1.97  27.92  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.31  1.83  10.29 0.17   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.04  1.60  11.55 0.19   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.20  1.33  25.32 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.22  1.33  20.11  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.81  1.33  48.20 0.81   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.81  1.33  53.48 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.62  1.33  50.64  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.84  1.33  38.39  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.39  1.33  44.74 0.75   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.44  1.33  13.11  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    4.34  1.97  25.51  n/a   0.000
*
```

```
    ADD [  0905+  0907]  0905  3  2.0  121.83    4.59  1.97  26.48  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.04  3.73  26.48  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.04  3.77  26.48  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.13  2.08   6.54 0.11   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0311  1  2.0   18.02    1.06  1.47  24.83 0.42   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.97  1.60  24.83  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.30  1.33  53.26 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08  1.50  53.26  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.20  2.00   9.32  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.03  2.00   5.87 0.10   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.15  1.60  16.54  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.86  1.63  24.16  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.86  1.67  24.16  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0102  1  5.0   10.88    0.22  1.83  11.46 0.19   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.06  1.70  23.35  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.05  1.70  23.35  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.05  1.73  23.35  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.06  2.00   4.33 0.07   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0103  1  2.0    6.20    0.18  1.77  14.95 0.25   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0318  1  5.0    1.04    0.06  1.50  19.37 0.32   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.23  1.83   8.50  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.27  1.77   9.17  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    2.32  1.73  22.07  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0106  1  5.0    6.93    0.11  1.83   9.38 0.16   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0104  1  5.0    5.82    0.08  2.25  10.48 0.18   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.07  1.83  11.52 0.19   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.21  1.33  51.75 0.87   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.09  1.43  51.05  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.24  1.37  43.80 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0320  1  2.0    9.05    1.51  1.37  38.35 0.64   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0321  1  2.0   10.49    1.87  1.37  39.22 0.66   0.000
    [I%=59.3:S%= 2.00]
```

```
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.20  1.43  39.21  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.17  1.33  53.31 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.53  1.37  31.19  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.77  1.37  35.52  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.89  1.37  36.01  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.97  1.37  36.53  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.98  1.37  37.45  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.20  4.10  36.72  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.10  1.33  46.77 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.14  1.33  47.57 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.11  1.33  12.70  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.25  1.33  15.31  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.29  1.33  32.87  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.26  2.77  32.86  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.38  1.33  27.13 0.45   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.40  1.33  14.71  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.54  1.33  29.05  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U A   A  L
         VV     I    SSSSS  UUUUU A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\da2a6d47-a56b
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\da2a6d47-a56b

DATE: 03-14-2022                          TIME: 04:17:32

USER:

COMMENTS: _____________________________________________________

  **********************************************
  ** SIMULATION : Run 04 - CHI25YR.stm          **
  **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  1.50  10.67 0.15   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.27  1.37  39.07 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.26  1.37  39.07  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.21  1.33  32.58 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.22  1.33  30.15  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.47  1.33  34.15  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.34  1.50  34.13  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.06  1.92  12.33 0.17   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.37  1.53  24.20  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.37  1.57  24.20  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.46  1.37  28.39 0.40   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    6.82  1.57  37.02 0.52   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    7.16  1.57  36.46  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    7.53  1.57  35.50  n/a   0.000
```

```
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    7.51  1.57  35.50  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.32  1.33  34.00 0.48   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    7.65  1.57  35.46  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    5.87  1.83  35.46  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.45  1.83  14.68 0.21   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.06  1.60  16.37 0.23   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.25  1.33  32.58 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.27  1.33  26.44  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.97  1.33  58.55 0.82   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.95  1.33  64.31 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.92  1.33  61.21  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.19  1.33  47.27  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.46  1.33  54.40 0.76   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.54  1.33  17.93  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    6.38  1.83  32.60  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    6.77  1.83  33.70  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.13  4.03  33.70  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.13  4.07  33.70  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.20  2.08   9.53 0.13   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.39  1.50  31.65 0.44   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.28  1.60  31.65  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.35  1.33  64.11 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.11  1.50  64.11  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.27  2.00  12.78  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.49  1.60  22.89  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.49  1.60  22.89  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.49  1.63  22.89  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.04  2.00   8.60 0.12   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.52  1.63  21.57  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.32  1.70  30.87  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.31  1.73  30.87  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.31  1.83  16.22 0.23   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.61  1.77  29.93  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.62  1.77  29.93  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.62  1.77  29.93  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.09  2.00   6.44 0.09   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.25  1.77  20.76 0.29   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
```

```
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.09  1.42  26.21 0.37   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.33  1.83  12.06  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.38  1.77  12.94  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    2.99  1.77  28.40  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.16  1.83  13.49 0.19   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.11  2.25  14.93 0.21   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.10  1.83  16.23 0.23   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.25  1.33  62.37 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.13  1.40  61.66  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.50  1.37  53.22 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.83  1.37  46.98 0.66   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.26  1.37  48.09 0.68   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.50  1.43  48.07  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.20  1.33  64.28 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.85  1.37  38.76  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.35  1.37  43.73  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.50  1.37  44.30  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    3.62  1.37  44.90  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    4.90  1.37  45.99  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.23  4.10  45.13  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.12  1.33  56.55 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.16  1.33  57.62 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.13  1.33  17.48  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.29  1.33  20.47  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.34  1.33  40.70  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.33  2.63  40.69  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.45  1.33  33.77 0.47   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.49  1.33  19.58  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.65  1.33  36.25  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a39fe733-36da
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a39fe733-36da

DATE: 03-14-2022                          TIME: 04:17:31

USER:

COMMENTS: _____________________________________________________
```

```
**********************************************
** SIMULATION : Run 05 - CHI50YR.stm         **
**********************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  ** CALIB NASHYD         0304  1  2.0    0.24    0.01  1.50  13.41 0.17   0.000
     [CN=46.5       ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  ** CALIB STANDHYD       0303  1  2.0    1.76    0.31  1.37  44.85 0.56   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.31  1.37  44.85  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0302  1  5.0    1.92    0.25  1.33  38.03 0.48   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.25  1.33  35.30  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.54  1.33  39.59  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.40  1.50  39.56  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0305  1  5.0    3.28    0.08  1.92  15.38 0.19   0.000
     [CN=49.8       ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.44  1.53  28.54  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.44  1.57  28.54  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0306  1  2.0    5.51    0.55  1.37  33.18 0.42   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0301  1  2.0   79.40    7.78  1.53  42.82 0.54   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.91    8.21  1.53  42.19  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.11    8.65  1.53  41.13  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.11    8.63  1.53  41.13  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0307  1  2.0    2.23    0.36  1.33  39.18 0.49   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.34    8.82  1.53  41.08  n/a   0.000
*
  ** Reservoir
     OUTFLOW:             0401  1  2.0   94.34    7.15  1.80  41.07  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0101  1  2.0   16.84    0.56  1.83  18.14 0.23   0.000
     [CN=54.0       ]
     [ N = 3.0:Tp 0.39]
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0309  1  2.0    1.39    0.07  1.57  20.17 0.25   0.000
     [CN=57.4       ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0308  1  5.0    2.28    0.29  1.33  38.03 0.48   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.32  1.33  31.27  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0315  1  5.0    2.95    1.11  1.33  66.00 0.83   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0314  1  5.0    2.53    1.06  1.33  72.06 0.91   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0314+  0315]  0907  3  5.0    5.48    2.17  1.33  68.80  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    2.49  1.33  53.76  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD       0316  1  5.0    1.50    0.51  1.33  61.39 0.77   0.000
     [I%=70.0:S%= 3.30]
*
     ADD [  0101+  0316]  0905  3  2.0   18.34    0.63  1.80  21.68  n/a   0.000
*
     ADD [  0905+  0401]  0905  1  2.0  112.68    7.78  1.80  37.92  n/a   0.000
*
     ADD [  0905+  0907]  0905  3  2.0  121.83    8.24  1.77  39.11  n/a   0.000
*
  ** Reservoir
     OUTFLOW:             4011  1  2.0  121.83    1.19  4.13  39.11  n/a   0.000
*
     CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.19  4.17  39.11  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0312  1  5.0   14.69    0.25  2.08  11.94 0.15   0.000
     [CN=41.8       ]
     [ N = 3.0:Tp 0.57]
*
```

```
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0311  1  2.0   18.02    1.64  1.50  36.77 0.46   0.000
     [I%=27.0:S%= 2.00]
*
     CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.52  1.60  36.77  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0317  1  5.0    0.93    0.39  1.33  71.88 0.90   0.000
     [I%=89.0:S%= 2.00]
*
  ** Reservoir
     OUTFLOW:             0402  1  5.0    0.93    0.13  1.50  71.87  n/a   0.000
*
     ADD [  0312+  0402]  0908  3  5.0   15.62    0.32  2.00  15.51  n/a   0.000
*
     ADD [  0908+  0503]  0908  1  2.0   33.64    1.79  1.60  26.90  n/a   0.000
*
     PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.79  1.60  26.90  n/a   0.000
*
     CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.78  1.63  26.90  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0310  1  5.0    3.42    0.05  2.00  10.81 0.14   0.000
     [CN=39.2         ]
     [ N = 3.0:Tp 0.52]
*
     ADD [  0310+  0504]  0909  3  2.0   37.06    1.82  1.63  25.41  n/a   0.000
*
     ADD [  0909+  0505]  0909  1  2.0  158.89    2.67  1.70  35.91  n/a   0.000
*
     CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.67  1.70  35.91  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0102  1  5.0   10.88    0.38  1.83  19.97 0.25   0.000
     [CN=56.8         ]
     [ N = 3.0:Tp 0.42]
*
     ADD [  0102+  0506]  0910  3  2.0  169.77    3.03  1.73  34.89  n/a   0.000
*
     PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.03  1.77  34.89  n/a   0.000
*
     CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.03  1.77  34.89  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0313  1  5.0    9.60    0.11  2.00   8.17 0.10   0.000
     [CN=32.7         ]
     [ N = 3.0:Tp 0.51]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0103  1  2.0    6.20    0.31  1.77  25.27 0.32   0.000
     [CN=64.0         ]
     [ N = 3.0:Tp 0.37]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0318  1  5.0    1.04    0.11  1.42  31.43 0.40   0.000
     [I%= 1.0:S%= 4.00]
*
     ADD [  0103+  0313]  0911  3  2.0   15.80    0.41  1.83  14.88  n/a   0.000
*
     ADD [  0911+  0318]  0911  1  2.0   16.84    0.46  1.77  15.90  n/a   0.000
*
     ADD [  0911+  0507]  0911  3  2.0  186.61    3.49  1.77  33.18  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0106  1  5.0    6.93    0.21  1.83  16.76 0.21   0.000
     [CN=52.1         ]
     [ N = 3.0:Tp 0.40]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0104  1  5.0    5.82    0.14  2.25  18.44 0.23   0.000
     [CN=54.5         ]
     [ N = 3.0:Tp 0.70]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD         0322  1  2.0    3.30    0.12  1.83  19.93 0.25   0.000
     [CN=56.0         ]
     [ N = 3.0:Tp 0.41]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0323  1  2.0    0.69    0.28  1.33  69.97 0.88   0.000
     [I%=87.8:S%= 2.00]
*
  ** Reservoir
     OUTFLOW:             0403  1  2.0    0.69    0.16  1.40  69.26  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0324  1  2.0    6.46    1.69  1.37  60.03 0.76   0.000
     [I%=70.5:S%= 2.00]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0320  1  2.0    9.05    2.07  1.37  53.26 0.67   0.000
     [I%=58.9:S%= 2.00]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0321  1  2.0   10.49    2.65  1.33  54.55 0.69   0.000
     [I%=59.3:S%= 2.00]
*
     CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.73  1.40  54.53  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD       0325  1  5.0    0.54    0.23  1.33  72.11 0.91   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0320+  0322]  0912  3  2.0   12.35    2.10  1.37  44.35  n/a   0.000
*
     ADD [  0912+  0324]  0912  1  2.0   18.81    3.79  1.37  49.74  n/a   0.000
*
     ADD [  0912+  0325]  0912  3  2.0   19.35    3.95  1.37  50.36  n/a   0.000
```

```
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.10  1.37  51.01  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    5.74  1.37  52.22  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.25  4.13  51.27  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.14  1.33  63.60 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.18  1.33  64.86 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.15  1.33  21.21  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.33  1.33  24.47  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.39  1.33  46.44  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.38  2.57  46.43  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0326  1  5.0    2.97    0.50  1.33  38.71 0.49   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.55  1.33  23.34  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.74  1.33  41.58  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I      SS   U   U  AAAAA  L
        V  V    I       SS  U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

         OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O     T      T    H   H   Y Y   MM MM  O   O
       O   O     T      T    H   H    Y    M   M  O   O
        OOO      T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\cd4c81c5-e79a
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\cd4c81c5-e79a


DATE: 03-14-2022                          TIME: 04:17:31

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 06 - CHI100YR.stm         **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak    R.V. R.C.    Qbase
                                  min     ha   '  cms   hrs      mm           cms
```

```
      START @  0.00 hrs
      ---------------------
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  1.50  16.35 0.19   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.35  1.33  50.73 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.35  1.37  50.73  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.28  1.33  43.63 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.29  1.33  40.61  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.62  1.33  45.15  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.46  1.50  45.13  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.10  1.92  18.64 0.21   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.51  1.53  33.06  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.51  1.53  33.06  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.62  1.37  38.13 0.44   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.40    9.34  1.53  48.74 0.56   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    9.85  1.53  48.05  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   10.36  1.53  46.88  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   10.33  1.53  46.88  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.40  1.33  44.48 0.51   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   10.55  1.53  46.82  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    8.76  1.73  46.81  n/a   0.000
*
```

```
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.68  1.80  21.83 0.25   0.000
    [CN=54.0       ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.09  1.57  24.18 0.28   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.33  1.33  43.63 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.37  1.33  36.27  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    1.23  1.33  73.44 0.84   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    1.16  1.33  79.75 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    2.40  1.33  76.35  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.76  1.33  60.29  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.58  1.33  68.37 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.76  1.80  25.64  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    9.51  1.73  43.37  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   10.09  1.73  44.64  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.24  4.20  44.64  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.24  4.23  44.64  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.30  2.08  14.54 0.17   0.000
    [CN=41.8       ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.93  1.47  42.02 0.48   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.80  1.60  42.02  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.43  1.33  79.58 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  1.42  79.58  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.38  2.00  18.42  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.12  1.60  31.06  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.12  1.60  31.06  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.11  1.63  31.06  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.07  2.00  13.20 0.15   0.000
    [CN=39.2       ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.16  1.63  29.41  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.05  1.67  41.09  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.05  1.70  41.09  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.46  1.83  23.94 0.27   0.000
    [CN=56.8       ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    3.49  1.70  39.99  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.48  1.77  39.99  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.47  1.77  39.99  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.14  2.00  10.05 0.11   0.000
    [CN=32.7       ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.37  1.77  30.00 0.34   0.000
    [CN=64.0       ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.14  1.42  36.84 0.42   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.50  1.83  17.88  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.56  1.77  19.05  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    4.03  1.77  38.10  n/a   0.000
*
    READ STORM                 10.0
```

```
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.25  1.83  20.25 0.23   0.000
    [CN=52.1       ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.16  2.25  22.18 0.25   0.000
    [CN=54.5       ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.14  1.83  23.85 0.27   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.31  1.33  77.51 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.19  1.40  76.81  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.90  1.37  66.84 0.76   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.31  1.37  59.57 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.96  1.33  61.04 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.98  1.40  61.02  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.25  1.33  79.88 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.35  1.37  50.03  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    4.25  1.37  55.80  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.43  1.37  56.47  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.62  1.37  57.18  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    6.49  1.37  58.50  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.27  4.13  57.44  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.15  1.33  70.62 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.20  1.33  72.08 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.18  2.17  25.15  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.37  1.33  28.65  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.44  2.33  52.26  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.43  2.53  52.25  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.57  1.33  43.74 0.50   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.63  1.33  27.30  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.85  1.33  47.01  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\369ed151-87e7
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\369ed151-87e7

DATE: 03-14-2022                          TIME: 04:17:28

USER:


COMMENTS: _____________________________________________________________

  ************************************************
  ** SIMULATION : Run 07 - 2Y6H.STM             **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
```

```
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  3.33   3.25 0.08   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.12  3.27  20.26 0.48   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.12  3.30  20.26  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.09  3.25  15.46 0.37   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.09  3.23  14.08  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.21  3.23  16.86  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.15  3.37  16.83  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.02  3.75   3.93 0.09   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.16  3.37  10.96  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.16  3.40  10.96  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.21  3.27  13.49 0.32   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    2.89  3.47  18.41 0.44   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    3.01  3.47  18.09  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    3.17  3.47  17.53  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    3.17  3.47  17.53  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.13  3.27  17.35 0.41   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    3.23  3.47  17.53  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    1.55  4.13  17.52  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.16  3.60   4.93 0.12   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.02  3.40   5.60 0.13   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  3.25  15.46 0.37   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  3.23  11.71  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.43  3.25  32.98 0.78   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.42  3.25  37.27 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.86  3.25  34.96  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.97  3.23  25.58  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.20  3.25  30.58 0.72   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.26  3.23   7.02  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    1.67  4.13  15.81  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    1.75  4.10  16.55  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    0.81  4.97  16.55  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.81  5.00  16.55  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.07  3.83   3.00 0.07   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    0.63  3.40  15.51 0.37   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.59  3.47  15.51  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.15  3.25  37.05 0.88   0.000
```

```
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.07  3.33  37.05  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.12  3.75   5.02  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.70  3.50  10.64  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.70  3.50  10.64  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.69  3.50  10.64  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0310  1  5.0    3.42    0.01  3.83   2.66 0.06   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.71  3.53   9.90  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.36  3.50  15.00  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.36  3.53  15.00  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0102  1  5.0   10.88    0.12  3.58   5.58 0.13   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    1.47  3.53  14.39  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    1.46  3.57  14.39  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    1.46  3.60  14.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0313  1  5.0    9.60    0.03  3.83   1.89 0.04   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0103  1  2.0    6.20    0.10  3.57   7.57 0.18   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    1.04    0.03  3.33  10.43 0.25   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.13  3.60   4.12  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.15  3.53   4.51  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    1.61  3.60  13.50  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0106  1  5.0    6.93    0.06  3.58   4.40 0.10   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0104  1  5.0    5.82    0.04  4.00   5.03 0.12   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0322  1  2.0    3.30    0.04  3.63   5.69 0.13   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.11  3.23  35.89 0.85   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.06  3.33  35.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    0.68  3.30  29.95 0.71   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.05    0.85  3.27  25.87 0.61   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    1.06  3.27  26.39 0.62   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.75  3.33  26.38  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0325  1  5.0    0.54    0.09  3.25  36.94 0.87   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    0.86  3.27  20.48  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    1.54  3.27  23.73  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    1.62  3.27  24.10  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    1.66  3.27  24.48  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    2.37  3.30  25.13  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.11  6.00  24.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.05  3.25  32.31 0.76   0.000
    [I%=75.0:S%= 2.00]
*
```

```
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07  3.25  32.75 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.06  3.25   6.70  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.13  3.25   8.65  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.17  3.23  21.67  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.14  4.57  21.66  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.20  3.25  17.82 0.42   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.23  3.25   8.43  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.33  3.23  18.88  n/a   0.000
*
================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\3a410591-2bcd
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\3a410591-2bcd


DATE: 03-14-2022                          TIME: 04:17:28

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 08 - 5Y6H.STM             **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA   ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha     '  cms   hrs     mm          cms


     START @  0.00 hrs
     -----------------
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  3.33   7.22 0.12   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.18  3.27  31.12 0.52   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.18  3.27  31.12  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.17  3.25  25.20 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.17  3.23  23.17  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.35  3.27  26.74  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26  3.33  26.71  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.05  3.67   8.46 0.14   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.29  3.33  18.39  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.29  3.37  18.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.35  3.27  21.94 0.37   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    5.06  3.47  29.09 0.49   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    5.28  3.47  28.63  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    5.56  3.43  27.83  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    5.56  3.43  27.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.21  3.23  26.92 0.45   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    5.65  3.43  27.80  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    4.21  3.70  27.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.35  3.57  10.23 0.17   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.05  3.40  11.48 0.19   0.000
    [CN=57.4         ]
```

```
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.20  3.25  25.20 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.22  3.23  19.98  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.63  3.25  48.03 0.81   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.60  3.25  53.29 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.23  3.25  50.46  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.45  3.23  38.16  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.30  3.25  44.58 0.75   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.44  3.23  13.03  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    4.60  3.70  25.39  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    4.87  3.70  26.35  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.03  5.17  26.35  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.03  5.20  26.35  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.15  3.83   6.49 0.11   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.07  3.37  24.72 0.42   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.00  3.47  24.72  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.22  3.25  53.08 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08  3.33  53.07  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.21  3.75   9.27  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.18  3.47  17.55  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.18  3.47  17.55  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.18  3.50  17.55  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.03  3.75   5.83 0.10   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.21  3.50  16.46  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.94  3.53  24.05  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.93  3.57  24.05  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.24  3.58  11.39 0.19   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.18  3.57  23.23  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.18  3.60  23.23  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.17  3.60  23.23  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.07  3.75   4.30 0.07   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.20  3.53  14.85 0.25   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.07  3.33  19.27 0.32   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.26  3.57   8.44  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.30  3.50   9.11  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    2.47  3.60  21.96  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.13  3.58   9.32 0.16   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.08  4.00  10.41 0.17   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
```

```
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.08  3.60  11.45 0.19   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.16  3.23  51.57 0.87   0.000
    [I%=87.8:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.11  3.30  50.87  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.04  3.27  43.64 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.28  3.27  38.21 0.64   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.58  3.27  39.08 0.66   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.16  3.33  39.06  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.13  3.25  53.13 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.31  3.27  31.06  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.35  3.27  35.38  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.46  3.27  35.87  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.57  3.27  36.39  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.64  3.27  37.31  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.19  5.53  36.51  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.08  3.25  46.60 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10  3.25  47.40 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.10  3.25  12.63  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.20  3.25  15.22  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.27  4.13  32.67  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.26  4.37  32.67  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.30  3.25  27.02 0.45   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.37  3.25  14.63  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.53  3.23  28.88  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a0814f1c-57a1
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a0814f1c-57a1


DATE: 03-14-2022                          TIME: 04:17:30

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 09 - 10Y6H.STM            **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms


      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  3.33  10.54 0.15   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.24  3.27  38.77 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.24  3.27  38.77  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
```

```
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.22  3.25  32.29 0.46   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.22  3.23  29.84  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.45  3.27  33.85  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.35  3.33  33.82  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.07  3.67  12.18 0.17   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.40  3.33  23.96  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.39  3.40  23.96  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.46  3.27  28.14 0.40   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    6.69  3.43  36.71 0.52   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.91    7.02  3.43  36.16  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.11    7.41  3.43  35.20  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.11    7.41  3.43  35.20  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.26  3.23  33.73 0.48   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.34    7.53  3.43  35.17  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0401  1  2.0   94.34    6.22  3.60  35.16  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.50  3.57  14.50 0.20   0.000
     [CN=54.0         ]
     [ N = 3.0:Tp 0.39]
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.07  3.40  16.18 0.23   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.26  3.25  32.30 0.46   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.30  3.27  26.17  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.76  3.25  58.16 0.82   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.72  3.25  63.91 0.90   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0314+  0315]  0907  3  5.0    5.48    1.48  3.25  60.81  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    1.77  3.23  46.82  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.36  3.25  54.03 0.76   0.000
     [I%=70.0:S%= 3.30]
*
     ADD [  0101+  0316]  0905  3  2.0   18.34    0.57  3.23  17.72  n/a   0.000
*
     ADD [  0905+  0401]  0905  1  2.0  112.68    6.78  3.60  32.32  n/a   0.000
*
     ADD [  0905+  0907]  0905  3  2.0  121.83    7.14  3.60  33.41  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             4011  1  2.0  121.83    1.12  5.30  33.41  n/a   0.000
*
     CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.12  5.37  33.41  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.22  3.83   9.41 0.13   0.000
     [CN=41.8         ]
     [ N = 3.0:Tp 0.57]
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.40  3.37  31.39 0.44   0.000
     [I%=27.0:S%= 2.00]
*
     CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.30  3.43  31.39  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
     remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.26  3.25  63.70 0.90   0.000
     [I%=89.0:S%= 2.00]
*
 ** Reservoir
     OUTFLOW:             0402  1  5.0    0.93    0.11  3.33  63.70  n/a   0.000
*
     ADD [  0312+  0402]  0908  3  5.0   15.62    0.29  3.75  12.64  n/a   0.000
*
     ADD [  0908+  0503]  0908  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
     PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
     CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 70.80 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
```

```
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.05  3.75   8.49 0.12   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.58  3.47  21.37  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.41  3.53  30.61  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.41  3.53  30.61  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.34  3.58  16.03 0.23   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.75  3.57  29.67  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.75  3.60  29.67  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.75  3.60  29.67  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.10  3.75   6.36 0.09   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.28  3.53  20.53 0.29   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.10  3.25  25.95 0.37   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.37  3.57  11.92  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.42  3.53  12.79  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    3.16  3.60  28.15  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.19  3.58  13.33 0.19   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.12  3.92  14.75 0.21   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.11  3.60  16.04 0.23   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.19  3.23  61.97 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.15  3.30  61.26  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.27  3.27  52.87 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.58  3.27  46.65 0.66   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.95  3.27  47.75 0.67   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.47  3.33  47.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.15  3.25  63.85 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.64  3.27  38.47  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.91  3.27  43.41  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.03  3.27  43.98  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    3.18  3.27  44.58  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    4.56  3.27  45.66  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.22  5.57  44.72  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.09  3.25  56.18 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.13  3.25  57.23 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.13  3.25  17.29  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.25  3.25  20.27  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.34  4.07  40.32  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.33  4.30  40.31  n/a   0.000
*
```

```
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.37  3.25  33.52 0.47   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.47  3.25  19.38  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.66  3.23  35.91  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U A   A  L
         VV     I    SSSSS  UUUUU A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7e65de32-8673
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7e65de32-8673


DATE: 03-14-2022                          TIME: 04:17:30

USER:


COMMENTS: ____________________________________________________________


  ************************************************
  ** SIMULATION : Run 10 - 25Y6H.STM            **
  ************************************************

  W/E COMMAND              HYD ID   DT     AREA  ' Qpeak Tpeak    R.V. R.C.    Qbase
                                   min      ha   '  cms   hrs      mm           cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  3.33  15.46 0.18   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.31  3.27  48.99 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.31  3.27  48.99  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.29  3.25  41.97 0.49   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.29  3.23  38.98  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.59  3.27  43.48  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.47  3.33  43.45  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.10  3.67  17.66 0.21   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.54  3.33  31.70  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.53  3.37  31.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.62  3.27  36.66 0.43   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    8.93  3.40  46.99 0.55   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    9.41  3.40  46.32  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    9.94  3.40  45.17  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    9.88  3.40  45.17  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.36  3.23  42.91 0.50   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   10.07  3.40  45.12  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    8.86  3.53  45.11  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.73  3.57  20.73 0.24   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.10  3.37  22.98 0.27   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.34  3.25  41.97 0.49   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.40  3.27  34.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.93  3.25  71.25 0.84   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.87  3.25  77.50 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.80  3.25  74.13  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.19  3.23  58.22  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.44  3.25  66.32 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.80  3.57  24.44  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    9.66  3.53  41.75  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   10.16  3.53  42.99  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.21  5.50  42.99  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.21  5.57  42.99  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.32  3.83  13.76 0.16   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.88  3.37  40.46 0.47   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.75  3.43  40.46  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.32  3.25  77.32 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  3.33  77.32  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.40  3.75  17.54  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.10  3.43  29.82  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.10  3.43  29.82  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.10  3.47  29.82  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.07  3.75  12.48 0.15   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.16  3.47  28.22  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.10  3.50  39.54  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.09  3.50  39.54  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.49  3.58  22.75 0.27   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    3.58  3.53  38.46  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.59  3.53  38.46  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.57  3.57  38.46  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.15  3.75   9.48 0.11   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.39  3.53  28.59 0.34   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.15  3.25  35.23 0.41   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.53  3.57  16.98  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.59  3.53  18.11  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    4.16  3.57  36.63  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.27  3.58  19.20 0.23   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.17  3.92  21.06 0.25   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.15  3.60  22.68 0.27   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.23  3.23  75.30 0.88   0.000
```

```
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.19  3.27  74.60  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.60  3.27  64.84 0.76   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.05    1.99  3.27  57.71 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    2.42  3.27  59.12 0.69   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.88  3.30  59.11  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0325  1  5.0    0.54    0.18  3.25  77.58 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.07  3.27  48.35  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.67  3.27  54.01  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.82  3.27  54.66  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.01  3.27  55.35  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    5.80  3.27  56.64  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.26  5.67  55.51  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.11  3.25  68.56 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.15  3.25  69.96 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.18  3.75  23.97  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.32  3.25  27.40  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.43  4.00  50.45  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.42  4.23  50.44  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0326  1  5.0    2.97    0.48  3.25  42.25 0.50   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.63  3.25  26.12  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.87  3.27  45.32  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\63fbf09c-873a
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\63fbf09c-873a


DATE: 03-14-2022                          TIME: 04:17:29

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 11 - 50Y6H.STM            **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms


      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  3.33  19.59 0.20   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.36  3.27  56.90 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.36  3.27  56.90  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.38  3.25  49.56 0.52   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.38  3.23  46.19  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.73  3.27  51.00  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.59  3.33  50.97  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.13  3.67  22.22 0.23   0.000
    [CN=49.8        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.68  3.33  37.87  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67  3.37  37.87  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.77  3.27  43.38 0.45   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40   10.96  3.40  54.96 0.57   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   11.54  3.40  54.21  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   12.20  3.40  52.93  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   12.14  3.40  52.93  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.42  3.23  50.07 0.52   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   12.37  3.37  52.87  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0401  1  2.0   94.34   11.45  3.50  52.86  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.91  3.57  25.85 0.27   0.000
    [CN=54.0        ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.12  3.37  28.55 0.30   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.45  3.25  49.56 0.52   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.52  3.23  41.57  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    1.06  3.25  81.11 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.98  3.25  87.65 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    2.04  3.25  84.13  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.56  3.23  66.93  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.50  3.25  75.60 0.79   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.99  3.57  29.91  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   12.43  3.50  49.12  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   13.00  3.50  50.46  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.27  5.63  50.46  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.27  5.70  50.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.40  3.83  17.42 0.18   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.28  3.33  47.58 0.50   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.11  3.40  47.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.36  3.25  87.51 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19  3.33  87.50  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.49  3.75  21.59  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.09  3.75  15.85 0.17   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.62  3.43  33.70  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.60  3.47  46.55  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.61  3.47  46.55  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.62  3.58  28.25 0.29   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    4.20  3.50  45.38  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    4.21  3.50  45.38  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    4.20  3.53  45.38  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.20  3.75  12.15 0.13   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.48  3.53  35.09 0.37   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.18  3.25  42.61 0.44   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.67  3.57  21.15  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.73  3.53  22.48  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    4.93  3.53  43.31  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.34  3.58  24.06 0.25   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.21  3.92  26.25 0.27   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.19  3.60  28.11 0.29   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.26  3.23  85.27 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.22  3.27  84.57  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.84  3.27  73.88 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.29  3.27  66.14 0.69   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.82  3.23  67.79 0.71   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.22  3.30  67.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.21  3.25  87.86 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.39  3.27  55.98  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    4.23  3.27  62.13  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.40  3.27  62.84  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.62  3.27  63.59  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    6.79  3.27  65.03  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.28  5.87  63.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.13  3.25  77.89 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.17  3.25  79.54 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.22  3.92  29.41  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.37  3.25  33.16  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.50  3.77  58.23  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.49  4.20  58.21  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.56  3.25  49.05 0.51   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.75  3.25  31.56  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    1.03  3.27  52.61  n/a   0.000
*
================================================================================================

        V    V   I    SSSSS  U   U    A    L             (v 6.2.2010)
```

```
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

         OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
        O   O    T      T    H   H   Y Y   MM MM  O   O
        O   O    T      T    H   H    Y    M   M  O   O
         OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\f88ff2ff-1953
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\f88ff2ff-1953


DATE: 03-14-2022                          TIME: 04:17:33

USER:


COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 12 - 100Y6H.STM           **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  3.33  24.04 0.23   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.42  3.27  64.95 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.42  3.27  64.95  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.45  3.25  57.35 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.45  3.23  53.60  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.86  3.27  58.69  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.70  3.33  58.67  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.16  3.67  27.11 0.25   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.81  3.33  44.29  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.80  3.37  44.29  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.91  3.27  50.34 0.47   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40   12.76  3.40  63.10 0.59   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   13.45  3.40  62.28  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   14.23  3.40  60.87  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   14.18  3.40  60.87  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.48  3.23  57.40 0.54   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   14.45  3.37  60.79  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34   13.73  3.47  60.78  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    1.11  3.57  31.31 0.29   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.15  3.37  34.44 0.32   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.53  3.25  57.35 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.62  3.27  48.64  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    1.21  3.25  90.95 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    1.10  3.25  97.74 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    2.31  3.25  94.09  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.91  3.23  75.70  n/a   0.000
*
```

```
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.57  3.25  84.91 0.80   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    1.20  3.57  35.67  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   14.89  3.47  56.69  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   15.58  3.47  58.12  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.32  5.77  58.12  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.32  5.80  58.12  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.50  3.75  21.37 0.20   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.66  3.33  54.90 0.52   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.47  3.40  54.90  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.40  3.25  97.63 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.22  3.33  97.63  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.58  3.75  25.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.00  3.43  41.44  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.00  3.43  41.44  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.01  3.43  41.44  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.11  3.75  19.50 0.18   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.10  3.43  39.41  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    4.12  3.47  53.76  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    4.13  3.47  53.76  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.75  3.58  34.07 0.32   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    4.85  3.50  52.50  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    4.85  3.50  52.50  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    4.84  3.53  52.50  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.24  3.75  15.07 0.14   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.58  3.53  41.89 0.39   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.22  3.25  50.24 0.47   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.81  3.57  25.59  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.88  3.53  27.12  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    5.72  3.53  50.21  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.42  3.58  29.24 0.27   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.26  3.92  31.77 0.30   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.23  3.57  33.87 0.32   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.29  3.23  95.19 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.25  3.27  94.49  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    2.07  3.27  82.95 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
```

```
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.60  3.27  74.64 0.70   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    3.23  3.23  76.51 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.58  3.30  76.50  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.23  3.25  98.05 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.72  3.27  63.74  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    4.79  3.27  70.34  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.99  3.27  71.10  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    5.24  3.27  71.91  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    7.77  3.27  73.49  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.46  5.23  72.12  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.15  3.25  87.22 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.20  3.25  89.14 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.27  3.92  35.16  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.42  3.25  39.19  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.64  4.50  66.19  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.63  4.77  66.18  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.64  3.25  56.00 0.53   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.87  3.25  37.27  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    1.20  3.27  60.10  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U A   A  L
         VV     I    SSSSS  UUUUU A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
```

```
          OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\cfe5d479-06d6
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\cfe5d479-06d6


DATE: 03-14-2022                          TIME: 04:17:32

USER:


COMMENTS: _____________________________________________________

  **********************************************
  ** SIMULATION : Run 13 - 2Y12H.STM           **
  **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  6.33   4.13 0.09   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.11  6.27  22.93 0.49   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.11  6.30  22.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.09  6.25  17.80 0.38   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.09  6.23  16.27  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.20  6.23  19.26  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.14  6.37  19.24  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.02  6.67   4.95 0.11   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.16  6.37  12.73  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.16  6.40  12.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.20  6.27  15.52 0.33   0.000
    [I%=22.0:S%= 2.00]
```

```
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    2.74  6.50  21.01 0.45   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    2.86  6.50  20.66  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    3.01  6.50  20.04  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    3.01  6.50  20.04  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.13  6.27  19.69 0.42   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    3.06  6.50  20.03  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    1.63  7.07  20.02  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.18  6.57   6.13 0.13   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.02  6.40   6.94 0.15   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  6.25  17.80 0.38   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  6.23  13.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.41  6.25  36.77 0.79   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.39  6.25  41.34 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.80  6.25  38.88  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.92  6.23  28.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.19  6.25  34.10 0.73   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.26  6.23   8.41  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    1.75  7.07  18.13  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    1.83  7.07  18.93  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    0.82  7.90  18.93  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.82  7.93  18.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.07  6.83   3.77 0.08   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    0.59  6.40  17.74 0.38   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.56  6.50  17.74  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.14  6.25  41.12 0.88   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.06  6.33  41.12  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.12  6.67   6.00  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.67  6.50  12.29  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.67  6.50  12.29  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.67  6.53  12.29  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.02  6.75   3.36 0.07   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.68  6.53  11.46  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.34  6.53  17.19  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.33  6.53  17.19  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0102  1  5.0   10.88    0.12  6.58   6.90 0.15   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    1.46  6.57  16.53  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    1.45  6.57  16.53  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    1.45  6.60  16.53  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB NASHYD         0313  1  5.0    9.60    0.03  6.75   2.42 0.05   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.11  6.53   9.25 0.20   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.03  6.33  12.51 0.27   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.13  6.57   5.10  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.16  6.50   5.56  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    1.60  6.60  15.54  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.06  6.58   5.51 0.12   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.04  6.92   6.25 0.13   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.04  6.60   7.01 0.15   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10  6.23  39.87 0.85   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.06  6.33  39.17  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.63  6.30  33.40 0.72   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    0.79  6.27  28.96 0.62   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.97  6.27  29.56 0.63   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.69  6.37  29.55  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08  6.25  41.07 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    0.81  6.27  23.09  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    1.44  6.27  26.63  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    1.51  6.27  27.03  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    1.56  6.27  27.45  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    2.18  6.30  28.17  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.11  8.87  27.37  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.05  6.25  35.92 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07  6.25  36.44 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.06  6.25   8.07  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.13  6.25  10.19  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.17  6.23  24.27  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.14  7.43  24.26  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.19  6.25  20.08 0.43   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.22  6.25   9.88  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.33  6.23  21.24  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****
```

```
  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\fceb39fd-8b15
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\fceb39fd-8b15

DATE: 03-14-2022                          TIME: 04:17:33

USER:

COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 14 - 5Y12H.STM            **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     -------------------
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD        0304  1  2.0    0.24    0.01  6.33   8.57 0.13   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.17  6.27  34.33 0.53   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.17  6.27  34.33  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.16  6.25  28.16 0.44   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.16  6.23  25.95  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.32  6.27  29.71  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.24  6.33  29.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0305  1  5.0    3.28    0.05  6.67   9.97 0.16   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.28  6.33  20.71  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.27  6.40  20.71  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.33  6.30  24.52 0.38   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    4.57  6.47  32.28 0.50   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    4.79  6.47  31.78  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    5.06  6.43  30.91  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    5.06  6.47  30.91  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.19  6.23  29.77 0.46   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    5.14  6.43  30.89  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    4.05  6.70  30.88  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0101  1  2.0   16.84    0.36  6.57  11.97 0.19   0.000
    [CN=54.0       ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0309  1  2.0    1.39    0.05  6.37  13.41 0.21   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.19  6.25  28.16 0.44   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.21  6.23  22.55  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.58  6.25  52.32 0.81   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.55  6.25  57.80 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.13  6.25  54.85  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.33  6.23  41.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.27  6.25  48.58 0.76   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.43  6.23  14.96  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    4.42  6.70  28.29  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    4.67  6.70  29.30  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.02  8.07  29.30  n/a   0.000
```

```
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.02  8.10  29.30  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0312  1  5.0   14.69    0.15  6.75   7.68 0.12   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    0.97  6.37  27.50 0.43   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.91  6.47  27.50  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.20  6.25  57.59 0.90   0.000
    [I%=89.0:S%= 2.00]
*
  ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08  6.33  57.59  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.21  6.75  10.65  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.10  6.47  19.68  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.10  6.47  19.68  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.11  6.50  19.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0310  1  5.0    3.42    0.03  6.75   6.91 0.11   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.14  6.50  18.50  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.87  6.60  26.78  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.87  6.63  26.78  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0102  1  5.0   10.88    0.24  6.58  13.29 0.21   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.11  6.60  25.92  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.11  6.60  25.92  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.11  6.63  25.92  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0313  1  5.0    9.60    0.07  6.75   5.13 0.08   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
```

```
*
  * CALIB NASHYD        0103  1  2.0    6.20    0.20  6.53  17.19 0.27   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    1.04    0.06  6.33  22.03 0.34   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.26  6.57   9.87  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.31  6.47  10.62  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    2.40  6.60  24.54  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0106  1  5.0    6.93    0.13  6.58  10.96 0.17   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0104  1  5.0    5.82    0.08  6.92  12.19 0.19   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD        0322  1  2.0    3.30    0.08  6.57  13.33 0.21   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.15  6.23  55.99 0.87   0.000
    [I%=87.8:S%= 2.00]
*
  ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.11  6.30  55.28  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    0.94  6.27  47.55 0.74   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.05    1.15  6.27  41.77 0.65   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    1.44  6.27  42.74 0.66   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.05  6.33  42.72  n/a   0.000
*
    READ STORM                 15.0
```

```
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.12  6.25  57.67 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.20  6.27  34.18  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.14  6.27  38.77  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.23  6.27  39.29  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.34  6.27  39.84  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.31  6.27  40.83  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.19  8.53  39.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.07  6.25  50.66 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10  6.25  51.56 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.10  6.25  14.54  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.19  6.25  17.31  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.27  7.07  35.75  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.26  7.30  35.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.28  6.25  29.74 0.46   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.35  6.25  16.59  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.51  6.23  31.71  n/a   0.000
*
================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9fe58405-066b
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9fe58405-066b


DATE: 03-14-2022                          TIME: 04:17:30
```

USER:

COMMENTS: _____

```
 ************************************************
 ** SIMULATION : Run 15 - 10Y12H.STM           **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  6.33  12.23 0.16   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.21  6.27  42.40 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.21  6.27  42.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.20  6.25  35.71 0.47   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.21  6.23  33.07  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.41  6.27  37.26  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.32  6.33  37.23  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.07  6.67  14.07 0.19   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.37  6.37  26.68  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.36  6.40  26.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.43  6.27  31.14 0.41   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    5.97  6.43  40.36 0.53   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    6.28  6.43  39.76  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    6.63  6.43  38.74  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    6.65  6.43  38.74  n/a   0.000
*
    READ STORM                15.0
```

```
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.24  6.23  36.98 0.49   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    6.76  6.43  38.69  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0401  1  2.0   94.34    5.82  6.60  38.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.50  6.57  16.65 0.22   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.07  6.37  18.54 0.24   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.24  6.25  35.71 0.47   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.28  6.27  29.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.69  6.25  62.86 0.83   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.65  6.25  68.80 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.34  6.25  65.60  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.62  6.23  50.91  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.33  6.25  58.44 0.77   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.56  6.27  20.06  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    6.37  6.60  35.65  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    6.70  6.60  36.80  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.11  8.27  36.80  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.11  8.30  36.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.21  6.75  10.90 0.14   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.29  6.37  34.59 0.46   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.20  6.43  34.59  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.24  6.25  68.61 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.09  6.33  68.61  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.28  6.75  14.34  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.45  6.47  25.19  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.45  6.47  25.19  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.44  6.50  25.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.05  6.75   9.85 0.13   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.48  6.50  23.77  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.33  6.53  33.76  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.33  6.57  33.76  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.34  6.58  18.36 0.24   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.67  6.57  32.77  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.67  6.57  32.77  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.67  6.60  32.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.10  6.75   7.42 0.10   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.27  6.53  23.34 0.31   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
```

```
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.10  6.25  29.21 0.38   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.37  6.57  13.67  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.41  6.50  14.63  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    3.07  6.57  31.14  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.18  6.58  15.35 0.20   0.000
    [CN=52.1       ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.12  6.92  16.93 0.22   0.000
    [CN=54.5       ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.10  6.57  18.34 0.24   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.17  6.23  66.77 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.13  6.30  66.07  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.15  6.27  57.16 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.42  6.27  50.60 0.67   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.77  6.27  51.82 0.68   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.32  6.33  51.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.14  6.25  68.79 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.48  6.27  41.98  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.62  6.27  47.20  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.74  6.27  47.79  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.87  6.27  48.42  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    4.09  6.27  49.59  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.22  8.53  48.38  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.09  6.25  60.63 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.11  6.25  61.80 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.12  6.75  19.61  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.24  6.25  22.76  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.34  7.00  43.77  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.33  7.27  43.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.34  6.25  36.62 0.48   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.45  6.25  21.73  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.64  6.23  39.12  n/a   0.000
*
================================================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\66d42f31-9f65
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\66d42f31-9f65

DATE: 03-14-2022                          TIME: 04:17:29

USER:

COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 16 - 25Y12H.STM           **
```

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**********************************************

W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     --------------------
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  6.30  17.54 0.19   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.28  6.27  53.02 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.28  6.27  53.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.27  6.25  45.83 0.51   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.27  6.23  42.64  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.54  6.27  47.30  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.43  6.33  47.27  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.10  6.67  19.95 0.22   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.50  6.33  34.83  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.49  6.40  34.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.57  6.27  40.07 0.44   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    8.18  6.43  51.05 0.56   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    8.60  6.43  50.33  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    9.08  6.43  49.12  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    9.05  6.43  49.12  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.32  6.23  46.55 0.51   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    9.22  6.40  49.06  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    8.37  6.53  49.05  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.71  6.57  23.31 0.26   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.09  6.37  25.79 0.28   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.32  6.25  45.83 0.51   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.38  6.27  38.21  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.84  6.25  76.30 0.84   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.78  6.25  82.70 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.63  6.25  79.25  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.99  6.23  62.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.40  6.25  71.07 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.77  6.53  27.20  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    9.14  6.53  45.49  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    9.59  6.53  46.79  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.20  8.50  46.79  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.20  8.53  46.79  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.31  6.75  15.59 0.17   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.72  6.37  44.08 0.49   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.60  6.43  44.08  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.29  6.25  82.54 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.13  6.33  82.54  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.39  6.75  19.58  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.94  6.47  32.70  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.94  6.47  32.70  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.93  6.47  32.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.07  6.67  14.16 0.16   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.99  6.47  30.99  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.95  6.50  43.10  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.95  6.53  43.10  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.48  6.58  25.52 0.28   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    3.42  6.53  41.98  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.43  6.53  41.98  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.42  6.57  41.98  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.15  6.67  10.82 0.12   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.38  6.53  31.88 0.35   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.14  6.25  38.97 0.43   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.52  6.57  19.08  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.57  6.50  20.31  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    3.98  6.57  40.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.26  6.50  21.64 0.24   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.16  6.92  23.67 0.26   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.15  6.57  25.42 0.28   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.21  6.23  80.41 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.17  6.27  79.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.42  6.27  69.47 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.77  6.27  62.01 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.19  6.27  63.55 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.66  6.33  63.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.16  6.25  82.84 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.86  6.27  52.24  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.27  6.27  58.15  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.41  6.27  58.84  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    3.58  6.27  59.56  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    5.15  6.27  60.92  n/a   0.000
```

```
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.25  8.63  59.48  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.10  6.25  73.33 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.14  6.25  74.87 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.17  6.75  26.72  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.30  6.25  30.31  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.42  6.77  54.23  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.41  7.20  54.21  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0326  1  5.0    2.97    0.44  6.25  45.71 0.50   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.59  6.25  28.86  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.84  6.27  48.88  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I      SS   U   U  AAAAA  L
        V  V    I       SS  U   U A   A  L
         VV     I    SSSSS  UUUUU A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7b4dd794-e20c
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7b4dd794-e20c


DATE: 03-14-2022                          TIME: 04:17:29

USER:


COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 17 - 50Y12H.STM           **
 ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  6.30  21.98 0.22   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.33  6.27  61.27 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.32  6.27  61.27  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.35  6.25  53.78 0.53   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.35  6.23  50.21  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.67  6.27  55.17  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.54  6.33  55.15  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.13  6.67  24.85 0.24   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.63  6.33  41.34  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.62  6.37  41.34  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.68  6.27  47.15 0.46   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    9.59  6.40  59.38 0.58   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   10.13  6.40  58.59  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   10.74  6.40  57.24  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   10.67  6.40  57.24  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.38  6.23  54.05 0.53   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   10.87  6.40  57.16  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34   10.10  6.50  57.15  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.88  6.53  28.79 0.28   0.000
    [CN=54.0        ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.12  6.37  31.72 0.31   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.42  6.25  53.78 0.53   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.49  6.23  45.40  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.96  6.25  86.48 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.88  6.25  93.16 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.84  6.25  89.56  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.31  6.23  71.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.45  6.25  80.67 0.79   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.95  6.53  33.02  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   11.04  6.50  53.23  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   11.56  6.50  54.62  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.25  8.63  54.61  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.25  8.67  54.61  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.39  6.75  19.54 0.19   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.04  6.37  51.54 0.51   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.90  6.43  51.54  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.32  6.25  93.03 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  6.33  93.03  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.47  6.75  23.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.32  6.47  38.72  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.32  6.47  38.71  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.32  6.47  38.71  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.09  6.67  17.80 0.18   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.40  6.47  36.79  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.40  6.50  50.46  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.41  6.50  50.46  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.59  6.58  31.39 0.31   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    3.99  6.50  49.23  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.98  6.53  49.23  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.98  6.57  49.23  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.19  6.67  13.71 0.13   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.46  6.53  38.76 0.38   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.17  6.25  46.74 0.46   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.64  6.57  23.54  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.70  6.50  24.98  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    4.68  6.57  47.04  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB NASHYD         0106  1  5.0    6.93    0.33  6.50  26.85 0.26   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.20  6.92  29.22 0.29   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.18  6.57  31.21 0.31   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.23  6.23  90.69 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.20  6.27  89.98  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.64  6.27  78.82 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.06  6.27  70.76 0.70   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.51  6.27  72.54 0.71   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.94  6.30  72.52  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.18  6.25  93.40 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.16  6.27  60.20  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.80  6.27  66.59  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.95  6.27  67.33  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.15  6.27  68.12  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    5.99  6.27  69.63  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.27  8.73  67.98  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.12  6.25  82.97 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.16  6.25  84.77 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.21  6.75  32.51  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.34  6.25  36.41  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.49  6.23  62.30  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.47  7.17  62.28  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.51  6.25  52.82 0.52   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.71  6.25  34.64  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.99  6.27  56.47  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\3e41013c-b68c
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\3e41013c-b68c


DATE: 03-14-2022                          TIME: 04:17:29

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 18 - 100Y12H.STM          **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  6.30  26.71 0.24   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
```

```
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.37  6.27  69.59 0.62   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.37  6.27  69.59  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.41  6.25  61.87 0.55   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.41  6.23  57.92  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.77  6.27  63.16  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.63  6.33  63.13  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.15  6.67  30.02 0.27   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.73  6.33  48.05  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.72  6.37  48.05  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.83  6.27  54.39 0.48   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40   11.47  6.40  67.81 0.60   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   12.11  6.40  66.94  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   12.83  6.40  65.46  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   12.76  6.40  65.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.43  6.23  61.65 0.55   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   13.00  6.37  65.37  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34   12.44  6.47  65.36  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    1.06  6.53  34.54 0.31   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.14  6.37  37.92 0.34   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.48  6.25  61.87 0.55   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.57  6.23  52.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    1.07  6.25  96.56 0.86   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.98  6.25 103.47 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    2.05  6.25  99.75  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.61  6.23  80.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.51  6.25  90.23 0.80   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    1.14  6.53  39.08  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   13.55  6.47  61.09  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   14.18  6.47  62.57  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.30  8.73  62.57  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.30  8.77  62.57  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.48  6.75  23.75 0.21   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    2.43  6.37  59.15 0.53   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.27  6.43  59.15  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.36  6.25 103.38 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19  6.33 103.38  n/a   0.000
```

```
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.56  6.75  28.49  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.78  6.43  44.91  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.78  6.43  44.91  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.78  6.47  44.91  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.11  6.67  21.70 0.19   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.87  6.47  42.77  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.92  6.47  57.95  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.93  6.50  57.95  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0102  1  5.0   10.88    0.71  6.58  37.52 0.33   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    4.63  6.50  56.64  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    4.64  6.50  56.64  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    4.61  6.50  56.64  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.23  6.67  16.84 0.15   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0103  1  2.0    6.20    0.55  6.50  45.88 0.41   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    1.04    0.20  6.25  54.69 0.49   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.77  6.57  28.24  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.84  6.50  29.87  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    5.45  6.50  54.22  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0106  1  5.0    6.93    0.40  6.50  32.33 0.29   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
```

```
*
  * CALIB NASHYD         0104  1  5.0    5.82    0.25  6.92  35.04 0.31   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.22  6.57  37.27 0.33   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.26  6.23 100.83 0.90   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:              0403  1  2.0    0.69    0.22  6.27 100.13  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.84  6.27  88.13 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.05    2.32  6.27  79.51 0.71   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    2.83  6.27  81.52 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.23  6.30  81.51  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0325  1  5.0    0.54    0.21  6.25 103.84 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.45  6.27  68.23  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    4.29  6.27  75.06  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.46  6.27  75.86  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.68  6.27  76.69  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    6.79  6.27  78.35  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              0404  1  2.0   30.54    0.40  8.40  76.56  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.13  6.25  92.54 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.18  6.25  94.60 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.26  6.75  38.57  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.39  6.25  42.75  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.56  6.23  70.47  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.54  7.60  70.45  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.58  6.25  60.03 0.53   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.82  6.25  40.64  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    1.15  6.27  64.19  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\228da17f-b0ec
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\228da17f-b0ec


DATE: 03-14-2022                          TIME: 04:17:28

USER:


COMMENTS: ________________________________________________________

 ********************************************
 ** SIMULATION : Run 19 - 2Y24H.STM          **
 ********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00 12.33   6.06 0.11   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.11 12.27  28.18 0.51   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.11 12.30  28.18  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.10 12.25  22.52 0.41   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.10 12.23  20.67  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.20 12.23  24.04  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.15 12.37  24.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.03 12.67   7.14 0.13   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.17 12.40  16.33  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.17 12.43  16.33  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.21 12.30  19.61 0.36   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    2.83 12.50  26.18 0.48   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    2.96 12.50  25.75  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    3.12 12.50  25.02  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    3.12 12.50  25.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.13 12.27  24.32 0.44   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    3.18 12.50  25.00  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    1.96 12.97  24.96  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.21 12.57   8.69 0.16   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.03 12.37   9.78 0.18   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.11 12.25  22.52 0.41   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.13 12.23  17.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.41 12.25  44.05 0.80   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.39 12.25  49.09 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.80 12.25  46.38  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.92 12.23  34.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.18 12.25  40.87 0.74   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.29 12.23  11.32  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    2.12 12.97  22.74  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    2.21 12.97  23.64  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    0.85 13.73  23.64  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.85 13.80  23.64  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.09 12.75   5.47 0.10   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.61 12.40  22.20 0.40   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.58 12.50  22.20  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.14 12.25  48.87 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.06 12.33  48.87  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.14 12.67   8.05  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.71 12.50  15.63  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.71 12.50  15.63  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.71 12.53  15.63  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.02 12.67   4.90 0.09   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.72 12.53  14.64  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    1.38 12.53  21.54  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    1.38 12.57  21.54  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.15 12.58   9.71 0.18   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    1.53 12.57  20.78  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    1.52 12.57  20.78  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    1.52 12.60  20.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.04 12.67   3.59 0.07   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.12 12.53  12.78 0.23   0.000
    [CN=64.0         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.04 12.33  16.79 0.31   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.16 12.57   7.19  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.19 12.47   7.79  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    1.70 12.60  19.61  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.08 12.50   7.89 0.14   0.000
    [CN=52.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.05 12.92   8.85 0.16   0.000
    [CN=54.5         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
```

```
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.05 12.57   9.79 0.18   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 12.23  47.46 0.86   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.06 12.30  46.75  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.63 12.30  40.02 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    0.78 12.27  34.92 0.63   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.97 12.27  35.70 0.65   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.69 12.37  35.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 12.25  48.89 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    0.81 12.27  28.21  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    1.43 12.30  32.27  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    1.50 12.27  32.73  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    1.56 12.27  33.21  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    2.18 12.30  34.06  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.13 14.83  32.66  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.05 12.25  42.83 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 12.25  43.52 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.07 12.25  10.94  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.13 12.25  13.37  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.19 12.23  29.18  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.16 13.30  29.17  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.19 12.25  24.53 0.45   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.24 12.25  12.88  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.36 12.23  25.75  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e7910a6a-379d
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e7910a6a-379d


DATE: 03-14-2022                          TIME: 04:17:32

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 20 - 5Y24H.STM            **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms


      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01 12.30  12.23 0.16   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.17 12.27  42.41 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.17 12.27  42.41  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.17 12.25  35.72 0.47   0.000
```

```
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.17 12.23  33.08  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.34 12.27  37.27  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26 12.33  37.24  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.06 12.67  14.07 0.19   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.30 12.37  26.68  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.30 12.40  26.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.35 12.30  31.14 0.41   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    4.77 12.47  40.36 0.53   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    5.02 12.47  39.76  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    5.30 12.47  38.74  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    5.31 12.47  38.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.20 12.23  36.98 0.49   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    5.40 12.43  38.70  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              0401  1  2.0   94.34    4.59 12.63  38.65  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.42 12.53  16.66 0.22   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.06 12.37  18.54 0.24   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.20 12.25  35.72 0.47   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.23 12.23  29.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.58 12.25  62.87 0.83   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.54 12.25  68.81 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.12 12.25  65.61  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.35 12.23  50.94  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.27 12.25  58.45 0.77   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.48 12.23  20.07  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    5.03 12.63  35.62  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    5.29 12.63  36.77  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              4011  1  2.0  121.83    1.05 13.83  36.77  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.05 13.87  36.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.18 12.75  10.90 0.14   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    1.04 12.40  34.60 0.46   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.97 12.47  34.60  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    0.93    0.20 12.25  68.62 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:              0402  1  5.0    0.93    0.08 12.33  68.61  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.24 12.67  14.34  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.04 12.67   9.86 0.13   0.000
    [CN=39.2         ]
```

```
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.23 12.50  23.78  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.04 12.57  33.74  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.03 12.60  33.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.28 12.58  18.36 0.24   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.31 12.60  32.75  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.31 12.60  32.75  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.31 12.63  32.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.08 12.67   7.43 0.10   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.23 12.50  23.35 0.31   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.07 12.33  29.21 0.38   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.31 12.53  13.67  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.36 12.47  14.63  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    2.64 12.60  31.12  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.15 12.50  15.36 0.20   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.10 12.92  16.93 0.22   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.09 12.57  18.35 0.24   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.14 12.23  66.77 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.11 12.30  66.07  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.94 12.27  57.17 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.16 12.27  50.61 0.67   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.45 12.27  51.82 0.68   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.06 12.33  51.81  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.11 12.25  68.80 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.21 12.27  41.99  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.15 12.27  47.20  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.25 12.27  47.80  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.36 12.27  48.43  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.34 12.30  49.59  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.20 14.67  47.81  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.07 12.25  60.64 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10 12.25  61.81 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.11 12.25  19.61  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.20 12.25  22.76  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.30 13.00  43.30  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.29 13.27  43.28  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.28 12.25  36.62 0.48   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.38 12.25  21.74  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.55 12.23  38.75  n/a   0.000
*
================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\18a82f42-b736
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\18a82f42-b736


DATE: 03-14-2022                          TIME: 04:17:28

USER:


COMMENTS: _____________________________________________________


 ************************************************
 ** SIMULATION : Run 21 - 10Y24H.STM           **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak    R.V. R.C.    Qbase
                                   min     ha   '  cms   hrs      mm           cms


     START @  0.00 hrs
     ---------------------
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01 12.30  17.25 0.19   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.22 12.27  52.46 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.22 12.27  52.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.22 12.25  45.29 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.22 12.23  42.14  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.43 12.27  46.78  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.34 12.33  46.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.08 12.67  19.63 0.22   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.40 12.37  34.40  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.39 12.40  34.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.45 12.27  39.60 0.44   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40    6.42 12.47  50.48 0.56   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    6.74 12.43  49.78  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    7.13 12.43  48.58  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    7.13 12.47  48.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.25 12.23  46.05 0.51   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    7.24 12.47  48.52  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    6.59 12.57  48.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.58 12.53  22.95 0.26   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.08 12.37  25.40 0.28   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.26 12.25  45.30 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.31 12.27  37.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.70 12.25  75.60 0.84   0.000
    [I%=74.0:S%= 2.00]
*
```

```
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.65 12.25  81.99 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.34 12.25  78.55  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.64 12.23  62.10  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.33 12.25  70.42 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.63 12.27  26.82  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    7.22 12.57  44.94  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    7.56 12.57  46.23  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.14 14.60  46.23  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.14 14.63  46.23  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.25 12.75  15.34 0.17   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.35 12.37  43.58 0.48   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.26 12.43  43.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.24 12.25  81.83 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.09 12.33  81.83  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.32 12.75  19.30  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.55 12.47  32.30  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.55 12.47  32.30  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.55 12.50  32.30  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.06 12.67  13.93 0.15   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.60 12.50  30.61  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    2.50 12.53  42.58  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    2.50 12.57  42.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.39 12.58  25.13 0.28   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    2.89 12.57  41.46  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    2.88 12.53  41.46  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    2.88 12.57  41.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.12 12.67  10.63 0.12   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.31 12.50  31.42 0.35   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.11 12.25  38.46 0.43   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.42 12.53  18.79  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.47 12.50  20.00  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    3.35 12.57  39.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.22 12.50  21.30 0.24   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.13 12.92  23.31 0.26   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.12 12.57  25.04 0.28   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.17 12.23  79.71 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.13 12.27  79.01  n/a   0.000
```

```
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.15 12.27  68.83 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.43 12.27  61.42 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.79 12.27  62.94 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.34 12.33  62.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.14 12.25  82.11 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.50 12.27  51.70  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.65 12.27  57.58  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.77 12.27  58.26  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.90 12.27  58.98  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    4.14 12.27  60.34  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.23 14.70  58.25  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.09 12.25  72.68 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.11 12.25  74.19 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.14 12.75  26.33  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.25 12.25  29.91  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.37 12.77  53.15  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.36 13.20  53.13  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.35 12.25  45.23 0.50   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.48 12.25  28.48  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.69 12.27  47.95  n/a   0.000
*
```

```
================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\aff7f3ea-7190
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\aff7f3ea-7190

DATE: 03-14-2022                          TIME: 04:17:31

USER:

COMMENTS: _____________________________________________________

 **********************************************
 ** SIMULATION : Run 22 - 25Y24H.STM          **
 **********************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  24.47 0.23   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.29 12.27  65.70 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.29 12.27  65.69  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.29 12.25  58.07 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.29 12.23  54.30  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.57 12.27  59.41  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.46 12.33  59.39  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.12 12.58  27.57 0.26   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
```

```
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.54 12.33  44.89  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.54 12.40  44.89  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.61 12.27  50.99 0.47   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    8.60 12.43  63.86 0.59   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    9.05 12.43  63.03  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    9.58 12.43  61.61  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    9.54 12.40  61.61  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.34 12.23  58.08 0.54   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    9.72 12.40  61.53  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    9.01 12.53  61.47  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    0.81 12.53  31.82 0.30   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.11 12.37  34.99 0.33   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.34 12.25  58.07 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.41 12.27  49.30  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.85 12.25  91.86 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.78 12.25  98.67 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.63 12.25  95.00  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.02 12.23  76.57  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.40 12.25  85.77 0.80   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.87 12.53  36.22  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    9.89 12.53  57.36  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   10.35 12.50  58.80  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.23 14.77  58.80  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.23 14.80  58.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.36 12.75  21.75 0.20   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.81 12.37  55.58 0.52   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.69 12.43  55.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.29 12.25  98.56 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.13 12.33  98.56  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.44 12.75  26.32  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.08 12.67  19.85 0.18   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.15 12.47  39.95  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.16 12.50  54.41  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.15 12.50  54.41  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.54 12.50  34.62 0.32   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
```

```
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    3.70 12.50  53.14  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    3.71 12.53  53.14  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    3.69 12.53  53.14  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.18 12.67  15.35 0.14   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.43 12.50  42.53 0.40   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.15 12.25  50.96 0.47   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.59 12.53  26.02  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.65 12.47  27.56  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    4.34 12.53  50.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.31 12.50  29.74 0.28   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.19 12.92  32.29 0.30   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.17 12.57  34.41 0.32   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.21 12.23  96.10 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.17 12.27  95.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.43 12.27  83.78 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.80 12.27  75.42 0.70   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.22 12.27  77.32 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.69 12.33  77.31  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.16 12.25  98.97 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.90 12.27  64.47  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.32 12.27  71.10  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    3.46 12.27  71.87  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    3.63 12.27  72.68  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    5.23 12.27  74.27  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.27 14.80  71.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.10 12.25  88.08 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.14 12.25  90.01 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.20 12.75  35.71  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.31 12.25  39.76  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.46 12.77  65.98  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.45 13.17  65.96  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.45 12.25  56.65 0.53   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.64 12.25  37.81  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.92 12.27  60.04  n/a   0.000
*
================================================================================================


      V    V   I    SSSSS  U   U    A    L             (v 6.2.2010)
      V    V   I    SS     U   U   A A   L
       V  V    I     SS    U   U  AAAAA  L
       V  V    I      SS   U   U  A   A  L
        VV     I    SSSSS  UUUUU  A   A  LLLLL
```

```
        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\6a6c9331-9d39
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\6a6c9331-9d39


DATE: 03-14-2022                          TIME: 04:17:29

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 23 - 50Y24H.STM           **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  30.47 0.25   0.000
    [CN=46.5          ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.34 12.27  75.97 0.63   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.34 12.27  75.97  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.37 12.25  68.10 0.56   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.38 12.23  63.88  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.70 12.27  69.31  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.57 12.33  69.28  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.15 12.58  34.13 0.28   0.000
    [CN=49.8          ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.68 12.33  53.27  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67 12.37  53.27  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.73 12.27  60.00 0.50   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.40   10.06 12.40  74.28 0.62   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   10.64 12.40  73.35  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   11.30 12.40  71.78  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   11.23 12.40  71.78  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.39 12.23  67.51 0.56   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   11.44 12.40  71.68  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34   10.88 12.47  71.63  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0101  1  2.0   16.84    1.01 12.53  39.08 0.32   0.000
    [CN=54.0          ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.13 12.37  42.80 0.35   0.000
    [CN=57.4          ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.44 12.25  68.10 0.56   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.53 12.23  58.49  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.96 12.25 104.19 0.86   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.88 12.25 111.24 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    1.84 12.25 107.44  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.36 12.23  87.69  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.46 12.25  97.46 0.81   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    1.07 12.53  43.84  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   11.94 12.47  67.10  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   12.50 12.47  68.65  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.28 14.87  68.65  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.28 14.90  68.65  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.45 12.75  27.11 0.22   0.000
    [CN=41.8          ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.21 12.37  65.02 0.54   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.07 12.43  65.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.32 12.25 111.18 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16 12.33 111.18  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.53 12.75  32.12  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.55 12.43  49.74  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.55 12.43  49.74  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.55 12.47  49.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.10 12.67  24.81 0.21   0.000
    [CN=39.2          ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.64 12.47  47.44  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    3.69 12.50  63.70  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    3.70 12.50  63.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.67 12.50  42.34 0.35   0.000
    [CN=56.8          ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    4.37 12.50  62.33  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    4.37 12.50  62.33  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    4.35 12.53  62.33  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.22 12.67  19.36 0.16   0.000
    [CN=32.7          ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.52 12.50  51.43 0.43   0.000
    [CN=64.0          ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.18 12.25  60.84 0.50   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.73 12.53  31.95  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.80 12.47  33.73  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    5.14 12.50  59.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.38 12.50  36.67 0.30   0.000
    [CN=52.1          ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.23 12.92  39.63 0.33   0.000
    [CN=54.5          ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.21 12.57  42.04 0.35   0.000
    [CN=56.0          ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.23 12.23 108.48 0.90   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.20 12.27 107.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.65 12.27  95.18 0.79   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.08 12.27  86.17 0.71   0.000
    [I%=58.9:S%= 2.00]
```

```
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    2.54 12.27  88.35 0.73   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.98 12.30  88.34  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0325  1  5.0    0.54    0.18 12.25 111.67 0.93   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.21 12.27  74.38  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    3.86 12.27  81.52  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.01 12.27  82.36  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.21 12.27  83.24  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    6.09 12.27  84.99  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.32 14.67  82.08  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0105  1  5.0    0.38    0.12 12.25  99.78 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.16 12.25 102.04 0.85   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.24 12.75  43.32  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.37 12.25  47.70  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.54 12.23  75.89  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.51 13.13  75.86  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0326  1  5.0    2.97    0.53 12.25  65.58 0.54   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.77 12.25  45.34  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    1.10 12.27  69.45  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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```

```
                    *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a21a45fc-fc8f
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a21a45fc-fc8f

DATE: 03-14-2022                          TIME: 04:17:31

USER:

COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 24 - 100Y24H.STM          **
 ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     ---------------------
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  36.84 0.28   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.39 12.27  86.35 0.65   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.38 12.27  86.35  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.43 12.25  78.29 0.59   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.44 12.23  73.64  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.81 12.27  79.35  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.67 12.33  79.32  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.18 12.58  41.04 0.31   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.80 12.33  61.88  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.79 12.37  61.88  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.88 12.27  69.22 0.52   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
```

```
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.40   12.05 12.40  84.82 0.63   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   12.74 12.40  83.80  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   13.51 12.40  82.09  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   13.44 12.40  82.09  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.45 12.23  77.08 0.58   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   13.71 12.37  81.97  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0401  1  2.0   94.34   13.18 12.47  81.92  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0101  1  2.0   16.84    1.21 12.53  46.69 0.35   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.16 12.37  50.93 0.38   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.51 12.25  78.29 0.59   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.62 12.23  67.90  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    1.07 12.25 116.43 0.87   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.98 12.25 123.68 0.93   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    2.05 12.25 119.78  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.66 12.23  98.84  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.51 12.25 109.12 0.82   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    1.28 12.53  51.78  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   14.45 12.47  77.01  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   15.10 12.47  78.65  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  121.83    1.34 14.97  78.65  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    1.34 15.00  78.65  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.55 12.75  32.81 0.25   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.58 12.37  74.63 0.56   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.42 12.43  74.63  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.36 12.25 123.67 0.93   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19 12.33 123.67  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.64 12.75  38.22  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.00 12.43  57.73  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.00 12.43  57.73  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.00 12.47  57.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.13 12.67  30.12 0.23   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.11 12.47  55.18  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    4.21 12.47  73.17  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    4.22 12.47  73.17  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.80 12.50  50.39 0.38   0.000
    [CN=56.8         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    5.02 12.50  71.71  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    5.01 12.47  71.71  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    5.00 12.50  71.71  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.28 12.67  23.67 0.18   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
```

```
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.61 12.50  60.62 0.45   0.000
    [CN=64.0       ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.22 12.25  70.93 0.53   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.87 12.53  38.17  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.95 12.47  40.20  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    5.95 12.50  68.87  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.46 12.50  43.95 0.33   0.000
    [CN=52.1       ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.28 12.83  47.31 0.35   0.000
    [CN=54.5       ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.25 12.57  49.99 0.37   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.26 12.23 120.73 0.90   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.22 12.27 120.03  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.86 12.27 106.54 0.80   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    2.36 12.27  96.95 0.73   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.88 12.27  99.41 0.74   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.28 12.30  99.39  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.21 12.25 124.25 0.93   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    2.51 12.27  84.41  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    4.37 12.27  92.01  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    4.54 12.27  92.90  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    4.76 12.27  93.84  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    6.92 12.27  95.75  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.51 13.43  92.70  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.13 12.25 111.42 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.18 12.25 113.99 0.85   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.29 12.75  51.24  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.42 12.25  55.92  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.76 13.23  86.07  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.73 13.43  86.04  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.60 12.25  74.67 0.56   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.89 12.25  53.16  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    1.27 12.27  79.13  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9b44244e-39f1
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9b44244e-39f1
```

DATE: 03-14-2022 TIME: 04:17:33

USER:

COMMENTS: _____

```
 ************************************************
 ** SIMULATION : Run 25 - 25 mm                **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.87   0.75 0.03   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.06  1.57  10.51 0.42   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.06  1.57  10.51  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.04  1.50   7.33 0.29   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.04  1.50   6.60  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.09  1.50   8.36  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.06  1.73   8.35  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.00  2.50   1.00 0.04   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.06  1.73   5.00  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.06  1.80   5.00  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.09  1.60   6.45 0.26   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0301  1  2.0   79.40    1.08  1.97   9.13 0.36   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    1.13  1.93   8.96  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    1.18  1.93   8.65  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    1.18  1.93   8.65  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.07  1.53   8.91 0.36   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34    1.20  1.93   8.65  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.34    0.13  4.93   8.65  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB NASHYD         0101  1  2.0   16.84    0.03  2.23   1.38 0.05   0.000
    [CN=54.0         ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.00  1.90   1.59 0.06   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.05  1.50   7.33 0.29   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.05  1.50   5.16  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.25  1.50  18.41 0.74   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0314  1  5.0    2.53    0.26  1.50  21.34 0.85   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.50  1.50  19.77  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.56  1.50  13.91  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.12  1.50  17.09 0.68   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    0.12  1.50   2.66  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68    0.15  4.00   7.67  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83    0.69  1.50   8.14  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  121.83    0.34  1.63   8.14  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83    0.34  1.70   8.14  n/a   0.000
*
    READ STORM                 10.0
```

```
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0312  1  5.0   14.69    0.01  2.67   0.76 0.03   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0311  1  2.0   18.02    0.25  1.80   7.64 0.31   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.23  1.90   7.64  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0317  1  5.0    0.93    0.10  1.50  21.17 0.85   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:            0402  1  5.0    0.93    0.05  1.58  21.16  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.05  1.67   1.98  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.28  1.90   5.01  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.28  1.90   5.01  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.28  1.93   5.01  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0310  1  5.0    3.42    0.00  2.58   0.66 0.03   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.28  1.93   4.61  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89    0.59  1.87   7.32  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89    0.59  1.90   7.32  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0102  1  5.0   10.88    0.02  2.25   1.61 0.06   0.000
    [CN=56.8        ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77    0.60  1.90   6.95  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77    0.60  1.90   6.95  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77    0.60  1.93   6.95  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0313  1  5.0    9.60    0.00  2.75   0.43 0.02   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0103  1  2.0    6.20    0.02  2.10   2.37 0.09   0.000
    [CN=64.0        ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0318  1  5.0    1.04    0.01  2.08   3.74 0.15   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    0.02  2.17   1.19  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    0.03  2.13   1.35  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61    0.63  1.93   6.45  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0106  1  5.0    6.93    0.01  2.25   1.16 0.05   0.000
    [CN=52.1        ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0104  1  5.0    5.82    0.01  2.83   1.41 0.06   0.000
    [CN=54.5        ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD        0322  1  2.0    3.30    0.01  2.17   1.72 0.07   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0323  1  2.0    0.69    0.07  1.50  20.34 0.81   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:            0403  1  2.0    0.69    0.01  2.73  19.64  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0324  1  2.0    6.46    0.32  1.63  16.70 0.67   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0320  1  2.0    9.05    0.40  1.60  14.18 0.57   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD      0321  1  2.0   10.49    0.51  1.57  14.41 0.58   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.32  1.73  14.41  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
```

```
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.06  1.50  20.84 0.83   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    0.40  1.60  10.85  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    0.72  1.60  12.86  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    0.74  1.60  13.08  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    0.75  1.60  13.31  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    1.03  1.63  13.69  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    0.06  4.40  13.38  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.03  1.50  18.36 0.73   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.04  1.50  18.54 0.74   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.03  1.50   2.45  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.08  1.50   3.65  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    0.08  1.50  11.63  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    0.07  3.87  11.63  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.11  1.50   9.54 0.38   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.12  1.50   3.68  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    0.16  1.50   9.96  n/a   0.000
*
 FINISH

================================================================================================================

================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e0b4eae2-8b59
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e0b4eae2-8b59


DATE: 03-14-2022                          TIME: 04:17:33

USER:

COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 26 - Hazel                **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 10.00  82.68 0.39   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.21 10.00 152.94 0.72   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.21 10.03 152.94  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.23 10.00 144.36 0.68   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.25 10.00 137.51  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.45 10.00 144.44  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.44 10.03 144.41  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.24 10.33  90.08 0.42   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.67 10.10 119.66  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67 10.13 119.66  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.57 10.03 130.19 0.61   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0301  1  2.0   79.40    8.55 10.20 152.44 0.72   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91    9.10 10.20 151.00  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11    9.77 10.17 148.55  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11    9.79 10.17 148.55  n/a   0.000
*
    READ STORM                12.0
```

```
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.25 10.00 139.51 0.66   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.34   10.02 10.17 148.33  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0401  1  2.0   94.34    9.91 10.27 148.32  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0101  1  2.0   16.84    1.43 10.20  99.68 0.47   0.000
    [CN=54.0          ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.14 10.03 106.88 0.50   0.000
    [CN=57.4          ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.27 10.00 144.36 0.68   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.41 10.00 130.16  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0315  1  5.0    2.95    0.41 10.00 191.69 0.90   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.36 10.00 199.57 0.94   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.77 10.00 195.33  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.18 10.00 169.20  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0316  1  5.0    1.50    0.20 10.00 181.50 0.86   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0316]  0905  3  2.0   18.34    1.59 10.17 106.37  n/a   0.000
*
    ADD [  0905+  0401]  0905  1  2.0  112.68   11.49 10.27 141.49  n/a   0.000
*
    ADD [  0905+  0907]  0905  3  2.0  121.83   12.41 10.23 143.57  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  121.83   10.12 11.20 143.57  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  121.83   10.12 11.23 143.57  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.88 10.58  74.49 0.35   0.000
    [CN=41.8          ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.82 10.13 137.56 0.65   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.81 10.23 137.56  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.13 10.00 199.86 0.94   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.11 10.08 199.86  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.98 10.58  81.96  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.76 10.27 111.74  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.76 10.27 111.74  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.76 10.30 111.74  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.19 10.42  69.27 0.33   0.000
    [CN=39.2          ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.95 10.30 107.82  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89   12.75 11.20 135.24  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89   12.75 11.20 135.24  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0102  1  5.0   10.88    0.96 10.17 105.87 0.50   0.000
    [CN=56.8          ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77   13.56 11.17 133.35  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77   13.56 11.20 133.35  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77   13.55 11.20 133.35  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.45 10.50  56.36 0.27   0.000
    [CN=32.7          ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.63 10.13 122.13 0.58   0.000
    [CN=64.0          ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
```

```
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.12 10.00 136.92 0.65   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    1.07 10.23  82.16  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    1.18 10.17  85.54  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61   14.55 11.13 129.04  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.56 10.17  95.14 0.45   0.000
    [CN=52.1       ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.44 11.00 100.75 0.48   0.000
    [CN=54.5       ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.29 10.20 104.91 0.49   0.000
    [CN=56.0       ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 10.00 195.69 0.92   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.10 10.00 194.98  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.83 10.00 177.29 0.84   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.11 10.00 164.97 0.78   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.32 10.00 168.92 0.80   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.29 10.03 168.91  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 10.00 200.79 0.95   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.38 10.03 148.93  n/a   0.000
*
    ADD [  0912+  0324]  0912  1  2.0   18.81    2.22 10.00 158.67  n/a   0.000
*
    ADD [  0912+  0325]  0912  3  2.0   19.35    2.29 10.00 159.84  n/a   0.000
*
    ADD [  0912+  0403]  0912  1  2.0   20.04    2.39 10.00 161.06  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    3.68 10.00 163.76  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.54    3.11 10.37 161.64  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.05 10.00 183.53 0.87   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 10.00 187.77 0.89   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.48 11.00 105.82  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.53 11.00 111.94  n/a   0.000
*
    ADD [  0913+  0404]  0913  3  2.0   37.24    3.61 10.40 152.70  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    3.55 10.60 152.68  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\109a80f6-73ab-4a61-a53c-a2ba4a080fe7\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.31 10.00 134.14 0.63   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    0.85 10.00 106.84  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    4.32 10.53 143.12  n/a   0.000
*
```

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
301	58.79	38.43	76.54	-	-	-
302	59.00	38.63	76.70	-	-	-
303	58.74	38.38	76.50	-	-	-
304	46.50	27.60	66.32	-	-	-
305	49.80	30.35	69.20	-	-	-
306	52.47	32.66	71.45	-	-	-
307	49.00	29.68	68.51	-	-	-
308	59.00	38.63	76.70	-	-	-
309	57.40	37.12	75.45	-	-	-
310	39.20	21.86	59.51	-	-	-
311	55.82	35.66	74.19	-	-	-
312	41.80	23.85	62.01	-	-	-
313	32.70	17.10	52.79	-	-	-
314	54.00	34.01	72.71	-	-	-
315	54.00	34.01	72.71	-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
316	60.00	39.59	77.48	-	-	-
317	60.00	39.59	77.48	-	-	-
318	60.00	39.59	77.48	-	-	-
				-	-	-
320	54.04	34.05	72.75	-	-	-
321	57.93	37.61	75.87	-	-	-
322	56.00	35.82	74.33	-	-	-
323	50.98	31.36	70.20	-	-	-
324	53.10	33.21	71.98	-	-	-
325	62.00	41.57	79.00	-	-	-
326	49.00	29.68	68.51	-	-	-
327	62.00	41.57	79.00	-	-	-
101				-	-	-
102				-	-	-
103				-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
104	54.50	34.46	73.12	-	-	-
105	54.00	34.01	72.71	-	-	-
106	52.10	32.33	71.14	-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

```
================================================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\27ace1d4-050d
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\27ace1d4-050d


DATE: 03-22-2022                          TIME: 10:45:02

USER:


COMMENTS: _____________________________________________________

 **********************************************
 ** SIMULATION : HAZEL.STM                   **
 **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     --------------------
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.03 10.00 127.51 0.60   0.000
    [CN=66.3        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.23 10.00 176.06 0.83   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.23 10.03 176.06  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.26 10.00 172.66 0.81   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.29 10.00 167.64  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.52 10.00 171.42  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.51 10.03 171.39  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.34 10.25 133.87 0.63   0.000
    [CN=69.2        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.84 10.10 154.30  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.84 10.13 154.30  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.70 10.03 161.98 0.76   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0301  1  2.0   79.40    9.68 10.20 177.19 0.84   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.91   10.34 10.17 176.21  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.11   11.18 10.17 174.49  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.11   11.21 10.17 174.49  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0101  1  2.0   16.84    1.92 10.17 141.73 0.67   0.000
    [CN=72.7        ]
    [ N = 3.0:Tp 0.39]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.29 10.00 166.44 0.79   0.000
    [I%=33.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0316  1  5.0    1.50    0.21 10.00 193.12 0.91   0.000
    [I%=70.0:S%= 3.30]
*
    ADD [  0101+  0307]  0904  3  2.0   19.07    2.19 10.10 144.62  n/a   0.000
*
    ADD [  0904+  0316]  0904  1  2.0   20.57    2.37 10.03 148.15  n/a   0.000
*
    ADD [  0904+  0602]  0904  3  2.0  112.68   13.56 10.17 169.69  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.18 10.03 147.93 0.70   0.000
    [CN=75.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.31 10.00 172.66 0.81   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.49 10.00 163.29  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0315  1  5.0    2.95    0.43 10.00 200.14 0.94   0.000
    [I%=74.0:S%= 2.00]
```

```
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0314  1  5.0    2.53    0.37 10.00 203.62 0.96   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0314+  0315]  0907  3  5.0    5.48    0.79 10.00 201.75  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.28 10.00 186.33  n/a   0.000
*
    ADD [  0904+  0907]  0905  3  2.0  121.83   14.62 10.07 170.94  n/a   0.000
*
    CHANNEL[ 2:  0905]   0505  1  2.0  121.83   14.59 10.10 170.94  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0312  1  5.0   14.69    1.32 10.50 118.16 0.56   0.000
    [CN=62.0         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.17 10.13 165.99 0.78   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.16 10.20 165.99  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0317  1  5.0    0.93    0.14 10.00 204.13 0.96   0.000
    [I%=89.0:S%= 2.00]
*
    ADD [  0312+  0317]  0908  3  5.0   15.62    1.42 10.50 123.28  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.54 10.27 146.16  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.54 10.27 146.16  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.54 10.30 146.16  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.30 10.33 112.81 0.53   0.000
    [CN=59.5         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.84 10.30 143.08  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  158.89   18.38 10.17 164.44  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  158.89   18.39 10.20 164.44  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0102  1  5.0   10.88    1.26 10.17 146.83 0.69   0.000
    [CN=75.0         ]
    [ N = 3.0:Tp 0.42]
*
    ADD [  0102+  0506]  0910  3  2.0  169.77   19.64 10.20 163.31  n/a   0.000
*
    PIPE   [ 2:  0910]  23316  1  2.0  169.77   19.69 10.17 163.31  n/a   0.000
*
    CHANNEL[ 2: 23316]   0507  1  2.0  169.77   19.67 10.20 163.31  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.76 10.33  98.69 0.47   0.000
    [CN=52.8         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0103  1  2.0    6.20    0.78 10.13 159.54 0.75   0.000
    [CN=80.5         ]
    [ N = 3.0:Tp 0.37]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0318  1  5.0    1.04    0.14 10.00 169.79 0.80   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0103+  0313]  0911  3  2.0   15.80    1.52 10.20 122.57  n/a   0.000
*
    ADD [  0911+  0318]  0911  1  2.0   16.84    1.65 10.17 125.49  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  186.61   21.32 10.20 159.90  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0106  1  5.0    6.93    0.77 10.17 138.19 0.65   0.000
    [CN=71.1         ]
    [ N = 3.0:Tp 0.40]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0104  1  5.0    5.82    0.58 10.75 142.65 0.67   0.000
    [CN=73.1         ]
    [ N = 3.0:Tp 0.70]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.38 10.17 145.39 0.69   0.000
    [CN=74.3         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 10.00 200.97 0.95   0.000
    [I%=87.8:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.89 10.00 189.39 0.89   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0320  1  2.0    9.05    1.22 10.00 181.96 0.86   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
```

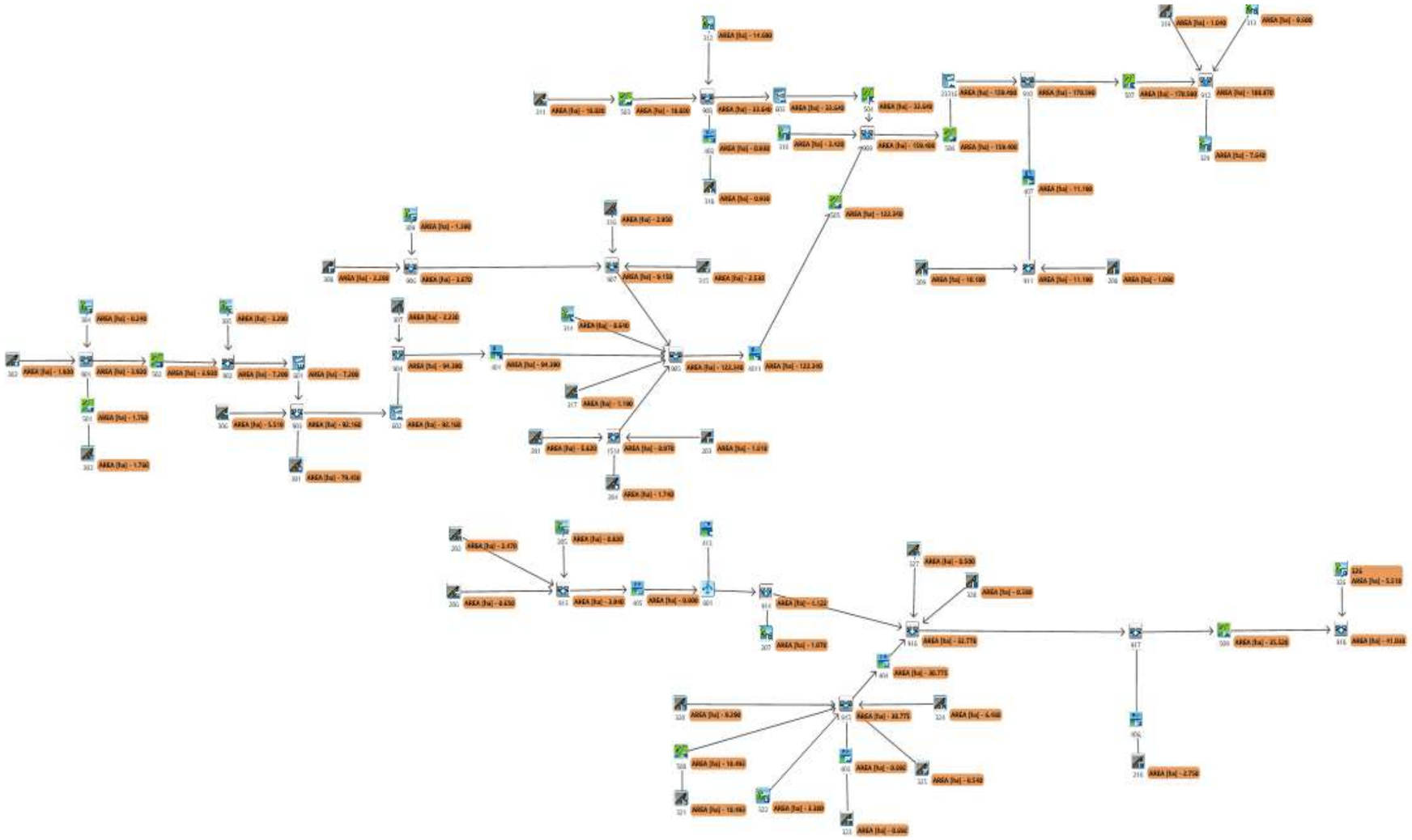
```
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.44 10.00 185.11 0.87   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.41 10.03 185.10  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 10.00 204.59 0.97   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.35    1.59 10.03 172.19  n/a   0.000
*
    ADD [  0912+  0323]  0912  1  2.0   13.04    1.68 10.00 173.72  n/a   0.000
*
    ADD [  0912+  0324]  0912  3  2.0   19.50    2.58 10.00 178.91  n/a   0.000
*
    ADD [  0912+  0325]  0912  1  2.0   20.04    2.65 10.00 179.60  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.54    4.06 10.00 181.49  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0105  1  5.0    0.38    0.05 10.00 193.66 0.91   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 10.00 197.26 0.93   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0104+  0105]  0913  3  5.0    6.20    0.62 10.75 145.78  n/a   0.000
*
    ADD [  0913+  0327]  0913  1  5.0    6.70    0.67 10.75 149.62  n/a   0.000
*
    ADD [  0913+  0912]  0913  3  2.0   37.24    4.65 10.00 175.76  n/a   0.000
*
    CHANNEL[ 2:  0913]   0509  1  2.0   37.24    4.58 10.07 175.76  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\bb0d383e-b232-41ed-b29b-38a6248bfa62\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0326  1  5.0    2.97    0.38 10.00 160.66 0.76   0.000
    [I%=36.0:S%= 2.00]
*
    ADD [  0106+  0326]  0914  3  5.0    9.90    1.13 10.00 144.93  n/a   0.000
*
    ADD [  0914+  0509]  0914  1  2.0   47.14    5.70 10.03 169.28  n/a   0.000
*
 FINISH

================================================================================================================
```

Appendix D:
Proposed Drainage Conditions

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-18-2022
SUBJECT	Proposed Conditions VO Schematic	NAME	LB
		PAGE	1 OF 1



STANDHYD

DUHYD

ROUTE CHANNEL

DIVERTHYD

SHIFTHYD

ROUTE PIPE

NASHYD

ROUTE RESERVOIR

ADDHYD

Proposed Drainage Conditions - Lovers Creek

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	205
Catchment Area (ha):	0.82
Impervious %:	19%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		0.82											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.16	98	0.95									
Gravel	3		76	0.09									
Woodland	10		32	0.08									
Pasture/Lawns	5	0.66	49	0.10									
Meadows	8		38	0.09									
Cultivated	7		62	0.22									
Waterbody	12		50	0.05									
Average CN		58.56											
Average C		0.27											
Average IA		4.41											

Time to Peak Calculations

Max. Catchment Elev. (m):	303.33
Min. Catchment Elev. (m):	302.50
Catchment Length (m):	78
Catchment Slope (%):	1.06%
Method: Airport Method	
Time of Concentration (mins):	23.53

Summary

Catchment CN:	58.6
Catchment C:	0.27
Catchment IA (mm):	4.41
Time of Concentration (hrs):	0.39
Catchment Time to Peak (hrs):	0.26
Catchment Time Step (mins):	3.14

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	207
Catchment Area (ha):	1.07
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		1.07											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.04	98	0.95									
Gravel	3		76	0.09									
Woodland	10	0.31	32	0.08									
Pasture/Lawns	5	0.72	49	0.10									
Meadows	8		38	0.09									
Cultivated	7		62	0.22									
Waterbody	12		50	0.05									
Average CN		45.91											
Average C		0.13											
Average IA		6.34											

Time to Peak Calculations

Max. Catchment Elev. (m):	302.49
Min. Catchment Elev. (m):	300.80
Catchment Length (m):	150
Catchment Slope (%):	1.13%
Method: Airport Method	
Time of Concentration (mins):	37.39

Summary

Catchment CN:	45.9
Catchment C:	0.13
Catchment IA (mm):	6.34
Time of Concentration (hrs):	0.62
Catchment Time to Peak (hrs):	0.42
Catchment Time Step (mins):	4.99

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	322
Catchment Area (ha):	3.30
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Ds**			**Tis**								
Soil Series		Dundonald			Tioga								
Hydrologic Soils Group		AB			A								
Soil Texture		Sand Loam			Sand Loam								
Runoff Coefficient Type		1			1								
Area (ha)		0.84			2.46								
Percentage of Catchment		25%			75%								
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	0.36	98	0.95	0.01	98	0.95						
Gravel	3		81	0.09		76	0.09						
Woodland	10	0.02	46	0.08		32	0.08						
Pasture/Lawns	5	0.46	59	0.10	2.01	49	0.10						
Meadows	8		51	0.09		38	0.09						
Cultivated	7		68	0.22		62	0.22						
Waterbody	12		50	0.05	0.44	50	0.05						
Average CN		75.40			49.38								
Average C		0.46			0.09								
Average IA		3.83			6.24								

Time to Peak Calculations

Max. Catchment Elev. (m):	307.00
Min. Catchment Elev. (m):	302.00
Catchment Length (m):	245
Catchment Slope (%):	2.04%
Method: Airport Method	
Time of Concentration (mins):	36.75

Summary

Catchment CN:	56.0
Catchment C:	0.19
Catchment IA (mm):	5.63
Time of Concentration (hrs):	0.61
Catchment Time to Peak (hrs):	0.41
Catchment Time Step (mins):	4.90

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	326
Catchment Area (ha):	5.51
Impervious %:	

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		5.51											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	1.07	98	0.95									
Gravel	3		76	0.09									
Woodland	10	2.15	32	0.08									
Pasture/Lawns	5	1.32	49	0.10									
Meadows	8	1.29	38	0.09									
Cultivated	7		62	0.22									
Waterbody	12		50	0.05									
Average CN		52.15											
Average C		0.26											
Average IA		7.36											

Time to Peak Calculations

Max. Catchment Elev. (m):	303.75
Min. Catchment Elev. (m):	297.75
Catchment Length (m):	251.9
Catchment Slope (%):	2.38%
Method: Airport Method	
Time of Concentration (mins):	32.61

Summary

Catchment CN:	52.2
Catchment C:	0.26
Catchment IA (mm):	7.36
Time of Concentration (hrs):	0.54
Catchment Time to Peak (hrs):	0.36
Catchment Time Step (mins):	4.35

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed Condition - Lovers Creek	NAME	LB
		PAGE	1 OF 2

CATCHMENT 320

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	9.29	59%	5.48	100%	5.48	3.81	54.04	6.08
Total	**9.29**	**59%**	**5.48**	**59%**	**5.48**	**3.81**	**54.04**	**6.08**

CATCHMENT 321

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	10.49	59%	6.19	100%	6.19	4.30	57.93	5.41
Total	**10.49**	**59%**	**6.19**	**59%**	**6.19**	**4.30**	**57.93**	**5.41**

CATCHMENT 323

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.69	88%	0.61	100%	0.61	0.08	50.98	8.08
Total	**0.69**	**88%**	**0.61**	**88%**	**0.61**	**0.08**	**50.98**	**8.08**

CATCHMENT 324

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	6.46	71%	4.59	100%	4.59	1.87	53.1	5.35
Total	**6.46**	**71%**	**4.59**	**71%**	**4.59**	**1.87**	**53.1**	**5.35**

CATCHMENT 325 (L-1B PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.54	90%	0.49	100%	0.49	0.05	62	5
Total	**0.54**	**90%**	**0.49**	**90%**	**0.49**	**0.05**	**62**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed Condition - Lovers Creek	NAME	LB
		PAGE	2 OF 2

CATCHMENT 327 (L-5B PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.50	75%	0.38	100%	0.38	0.13	62	5
Total	**0.50**	**75%**	**0.38**	**75%**	**0.38**	**0.13**	**62**	**5**

CATCHMENT 328

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.38	75%	0.29	100%	0.29	0.10	62	5
Total	**0.38**	**75%**	**0.29**	**75%**	**0.29**	**0.10**	**62**	**5**

CATCHMENT 202

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.47	60%	1.48	66%	0.98	0.99	49	5
Total	**2.47**	**60%**	**1.48**	**40%**	**0.98**	**0.99**	**49**	**5**

CATCHMENT 206

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.65	42%	0.27	100%	0.27	0.38	49	5
Total	**0.65**	**42%**	**0.27**	**42%**	**0.27**	**0.38**	**49**	**5**

CATCHMENT 210

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
Rooftop	2.72	80%	2.18	100%	2.18	0.54	49	5
Total	**2.72**	**80%**	**2.18**	**80%**	**2.18**	**0.54**	**49**	**5**

Proposed Drainage Conditions – Barrie Creeks

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	314
Catchment Area (ha):	8.64
Impervious %:	14%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		8.64											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	1.21	98	0.95	1.10								
Gravel	3		76	0.09	0.36								
Woodland	10	3.56	32	0.08	3.96								
Pasture/Lawns	5	3.00	49	0.10	2.75								
Meadows	8	0.87	38	0.09	0.92								
Cultivated	7		62	0.22	5.38								
Waterbody	12		50	0.05	0.50								
Average CN		47.75											
Average C		0.21											
Average IA		6.94											

Time to Peak Calculations

Max. Catchment Elev. (m):	300.00
Min. Catchment Elev. (m):	294.01
Catchment Length (m):	233
Catchment Slope (%):	2.57%
Method: Airport Method	
Time of Concentration (mins):	32.44

Summary

Catchment CN:	47.8
Catchment C:	0.21
Catchment IA (mm):	6.94
Time of Concentration (hrs):	0.54
Catchment Time to Peak (hrs):	0.36
Catchment Time Step (mins):	4.33

TATHAM ENGINEERING

Visual OTTHYMO Model Parameter Calculations (NasHYD)

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Data Sources

Detailed Soil Survey Reports for Ontario, LSRCA Technical Guidelines for Stormwater Management Submissions (2016), MTO Drainage Management Manual (1997)

Post Development Condition

Watershed:	LSRCA
Catchment ID:	329
Catchment Area (ha):	7.64
Impervious %:	15%

Average Curve Number (CN), Runoff Coefficient (C) and Initial Abstraction (IA)

Soil Symbol		**Tis**											
Soil Series		Tioga											
Hydrologic Soils Group		A											
Soil Texture		Sand Loam											
Runoff Coefficient Type		1											
Area (ha)		7.64											
Percentage of Catchment		100%											
Land Cover Category	**IA**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**	**A (ha)**	**CN**	**C**
Impervious	2	1.14	98	0.95									
Gravel	3		76	0.09									
Woodland	10	1.50	32	0.08									
Pasture/Lawns	5	4.65	49	0.10									
Meadows	8		38	0.09									
Cultivated	7	0.35	62	0.22									
Waterbody	12		50	0.05									
Average CN		53.57											
Average C		0.23											
Average IA		5.63											

Time to Peak Calculations

Max. Catchment Elev. (m):	299.00
Min. Catchment Elev. (m):	291.00
Catchment Length (m):	538.821
Catchment Slope (%):	1.48%
Method: Airport Method	
Time of Concentration (mins):	57.89

Summary

Catchment CN:	53.6
Catchment C:	0.23
Catchment IA (mm):	5.63
Time of Concentration (hrs):	0.96
Catchment Time to Peak (hrs):	0.64
Catchment Time Step (mins):	7.72

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed - Whiskey Creek	NAME	LB
		PAGE	1 OF 4

CATCHMENT 301

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	79.45	55%	38.17	68%	24.85	41.28	58.79	5.08
Total	**79.45**	**48%**	**38.17**	**31%**	**24.85**	**41.28**	**58.79**	**5.08**

CATCHMENT 302

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	1.92	40%	0.78	53%	0.41	1.14	59	5
Total	**1.92**	**40%**	**0.78**	**21%**	**0.41**	**1.14**	**59**	**5**

CATCHMENT 303

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.76	44%	0.77	90%	0.70	0.99	58.74	5.1
Total	**1.76**	**44%**	**0.77**	**40%**	**0.70**	**0.99**	**58.74**	**5.1**

CATCHMENT 306

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	5.51	36%	1.97	60%	1.19	3.55	52.47	7
Total	**5.51**	**36%**	**1.97**	**22%**	**1.19**	**3.55**	**52.47**	**7**

CATCHMENT 307

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.23	48%	1.07	68%	0.73	1.16	49	5
Total	**2.23**	**48%**	**1.07**	**33%**	**0.73**	**1.16**	**49**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed - Whiskey Creek	NAME	LB
		PAGE	2 OF 4

CATCHMENT 308

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	2.28	40%	0.92	53%	0.49	1.36	59	5
Total	**2.28**	**40%**	**0.92**	**21%**	**0.49**	**1.36**	**59**	**5**

CATCHMENT 311

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	18.02	35%	6.35	2%	4.92	11.67	55.82	5.95
Total	**18.02**	**35%**	**6.35**	**27%**	**4.92**	**11.67**	**55.82**	**5.95**

CATCHMENT 315 (207 PER HATCH 2019)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.53	90%	2.28	100%	2.28	0.25	54	5
Total	**2.53**	**90%**	**2.28**	**90%**	**2.28**	**0.25**	**54**	**5**

CATCHMENT 316 (208 PER HATCH 2019)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	2.95	87%	2.57	85%	2.18	0.38	54	5
Total	**2.95**	**87%**	**2.57**	**74%**	**2.18**	**0.38**	**54**	**5**

CATCHMENT 317 (BRW3 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.19	70%	0.83	100%	0.83	0.36	60	5
Total	**1.19**	**70%**	**0.83**	**70%**	**0.83**	**0.36**	**60**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed - Whiskey Creek	NAME	LB
		PAGE	3 OF 4

CATCHMENT 318 (BRW2 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	0.93	89%	0.83	100%	0.83	0.10	60	5
Total	**0.93**	**89%**	**0.83**	**89%**	**0.83**	**0.10**	**60**	**5**

CATCHMENT 319 (204 PER HATCH 2020)

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.04	35%	0.36	2%	0.01	0.68	60	5
Total	**1.04**	**35%**	**0.36**	**1%**	**0.01**	**0.68**	**60**	**5**

CATCHMENT 201

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	5.62	60%	3.37	66%	2.23	2.25	49	5
Total	**5.62**	**60%**	**3.37**	**40%**	**2.23**	**2.25**	**49**	**5**

CATCHMENT 203

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.61	80%	1.29	100%	1.29	0.32	49	5
Total	**1.61**	**80%**	**1.29**	**80%**	**1.29**	**0.32**	**49**	**5**

CATCHMENT 204

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.74	80%	1.39	100%	1.39	0.35	49	5
Total	**1.74**	**80%**	**1.39**	**80%**	**1.39**	**0.35**	**49**	**5**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Land Use Allocation - StandHyd - Proposed - Whiskey Creek	NAME	LB
		PAGE	4 OF 4

CATCHMENT 208

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	1.10	49%	0.54	100%	0.54	0.56	49	5
Total	**1.10**	**49%**	**0.54**	**49%**	**0.54**	**0.56**	**49**	**5**

CATCHMENT 209

Land Use Category	Total Area	Total Impervious (TIMP)	Total Impervious Area	Directly Connected Impervious	Total Directly Connected Impervious Area	Pervious Area	Pervious CN	Pervious IA
	ha	%	ha	%	ha	ha		
	10.10	80%	8.08	100%	8.08	2.02	49	5
Total	**10.10**	**80%**	**8.08**	**80%**	**8.08**	**2.02**	**49**	**5**

```
================================================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a11d82d3-65f0
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a11d82d3-65f0


DATE: 03-22-2022                          TIME: 10:55:05

USER:


COMMENTS: _____________________________________________________

  **********************************************
  ** SIMULATION : Run 01 - CHI2YR.stm          **
  **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.53    2.31 0.06   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.13  1.37  17.10 0.46   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.12  1.37  17.10  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.10  1.33  12.74 0.34   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.10  1.33  11.58  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.21  1.33  14.06  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.13  1.50  14.04  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.01  2.00    2.84 0.08   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.13  1.50    8.94  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.13  1.53    8.94  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.21  1.40  11.14 0.30   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.45    2.52  1.63  15.36 0.42   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    2.63  1.63  15.09  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    2.75  1.63  14.61  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    2.75  1.63  14.61  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.15  1.33  14.60 0.40   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    2.80  1.63  14.61  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    0.88  2.77  14.60  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.05  1.83    2.93 0.08   0.000
    [CN=47.8       ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.01  1.63    4.13 0.11   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  1.33  12.74 0.34   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  1.33   9.48  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.52  1.33  28.40 0.77   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.52  1.33  32.32 0.87   0.000
    [I%=90.0:S%= 2.00]
*
```

```
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.04  1.33  30.21  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.16  1.33  21.90  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.20  1.33  26.34 0.71   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.49  1.33  17.61 0.48   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.29  1.33  29.45 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.32  1.33  29.45 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.79  1.33  20.25  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.10  1.33  22.03  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.11  1.33  12.66  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.30  1.33  13.53  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    1.33  1.33  14.42  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    2.49  1.33  14.98  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.71  1.57  14.98  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.71  1.63  14.98  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.04  2.17   2.16 0.06   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.57  1.53  12.91 0.35   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.52  1.63  12.91  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.19  1.33  32.11 0.87   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.06  1.42  32.11  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.09  1.92   3.94  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.61  1.63   8.75  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.61  1.63   8.75  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.60  1.67   8.75  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.01  2.08   1.91 0.05   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.61  1.67   8.11  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    1.32  1.67  13.38  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.32  1.70  13.38  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.32  1.70  13.38  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.69  1.33  29.45 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.12  1.33  19.36 0.52   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    1.81  1.33  28.47  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.04  4.00  28.27  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    1.34  1.70  14.26  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    1.34  1.73  14.26  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.02  2.08   1.33 0.04   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.04  2.17   3.91 0.11   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.02  1.58   8.09 0.22   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.03  1.75   1.99  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.07  2.00   2.79  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    1.40  1.73  13.15  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
```

```
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.02  1.87   4.25 0.12   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.14  1.33  31.06 0.84   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.03  1.57  30.36  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.73  1.40  25.79 0.70   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    0.90  1.40  22.17 0.60   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.13  1.37  22.59 0.61   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.68  1.50  22.58  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.11  1.33  31.95 0.86   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    0.91  1.40  17.47  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    1.63  1.40  20.29  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    1.70  1.37  20.62  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    1.70  1.40  20.95  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    2.32  1.40  21.50  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.09  4.17  21.03  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01  1.92   2.84 0.08   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.01  1.63   4.99 0.13   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.06  1.33  17.07 0.46   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.23  1.33  17.61 0.48   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.23  1.33  14.46  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.29  1.33  14.89  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.00  4.20  13.50  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.00  4.20  13.50  n/a   0.000
       Outflow           0002  2  2.0    3.89    0.00  4.20  13.50  n/a   0.000
       Outflow           0002  3  2.0    0.05    0.00  4.20  13.50  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    1.12    0.01  1.90   3.34  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.07  1.33  27.99 0.76   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.09  1.33  28.32 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.15  1.33  28.18  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.17  1.33  21.23  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   32.78    0.17  1.33  20.62  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.46  1.33  29.45 0.80   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.15  1.57  29.37  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   35.53    0.26  1.33  21.29  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   35.53    0.21  1.80  21.29  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 36.95 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4bf676d1-8fe6-47ce-b720-4a8
    remark: * City of Barrie - 2 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.03  1.83   3.34 0.09   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   41.04    0.25  1.80  18.88  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    3.89    0.00 33.67   9.67  n/a   0.000
*
================================================================================================================
```

```
       V    V   I    SSSSS  U   U    A    L             (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\eab228f5-01d5
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\eab228f5-01d5

DATE: 03-22-2022                          TIME: 10:55:07

USER:

COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 02 - CHI5YR.stm           **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.53   4.98 0.10   0.000
     [CN=46.5         ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.18  1.37  25.32 0.50   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.18  1.37  25.32  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.13  1.33  19.93 0.39   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.14  1.33  18.27  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.30  1.33  21.44  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.20  1.50  21.41  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.03  2.00   5.91 0.12   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.21  1.53  14.35  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.21  1.57  14.35  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.30  1.37  17.37 0.34   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.45    3.89  1.60  23.36 0.46   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    4.07  1.60  22.97  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    4.28  1.60  22.29  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    4.29  1.60  22.29  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.21  1.33  21.79 0.43   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39    4.36  1.60  22.28  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0401  1  2.0   94.39    2.55  2.13  22.28  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.09  1.80   5.92 0.12   0.000
     [CN=47.8         ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.03  1.60   8.20 0.16   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.16  1.33  19.93 0.39   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.17  1.33  15.49  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.69  1.33  40.11 0.79   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 50.52 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
     remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.69  1.33  44.91 0.89   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    1.38  1.33  42.32  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    1.55  1.33  31.56  n/a   0.000
```

```
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.26  1.33  37.20 0.74   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.67  1.33  25.78 0.51   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.39  1.33  40.95 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.42  1.33  40.95 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.06  1.33  29.16  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.48  1.33  31.45  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.50  1.33  18.92  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.76  1.33  20.08  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    2.81  2.13  21.91  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    3.37  1.33  22.63  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.98  3.53  22.63  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.98  3.57  22.63  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.09  2.08   4.52 0.09   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.85  1.50  19.76 0.39   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.78  1.60  19.76  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.25  1.33  44.68 0.88   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.07  1.50  44.68  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.15  2.00   6.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.91  1.63  13.79  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.02  2.00   4.04 0.08   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.92  1.63  12.89  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    1.71  1.67  20.37  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.71  1.67  20.37  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.70  1.70  20.37  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.28  1.33  40.95 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.16  1.33  27.66 0.55   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.44  1.33  39.66  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.11  3.08  39.46  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    1.76  1.73  21.51  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    1.76  1.77  21.51  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.04  2.08   2.93 0.06   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.08  2.17   7.61 0.15   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.04  1.50  14.43 0.29   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.06  1.67   4.05  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.13  2.00   5.54  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    1.88  1.77  19.96  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.05  1.87   8.25 0.16   0.000
```

```
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.18  1.33  43.36 0.86   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.07  1.47  42.66  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.00  1.40  36.44 0.72   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.29  1.37  31.69 0.63   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.57  1.37  32.37 0.64   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.98  1.47  32.35  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.15  1.33  44.66 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.30  1.37  25.54  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.29  1.37  29.24  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.40  1.37  29.66  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.44  1.37  30.11  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    3.30  1.40  30.87  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.16  4.10  30.24  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01  1.83   5.68 0.11   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.02  1.63   9.41 0.19   0.000
    [CN=58.6         ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.09  1.33  24.67 0.49   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.32  1.33  25.78 0.51   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.32  1.33  21.70  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.41  1.33  22.19  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.01  4.07  19.47  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.01  4.07  19.47  n/a   0.000
       Outflow           0002  2  2.0    3.28    0.00  4.07  19.47  n/a   0.000
       Outflow           0002  3  2.0    0.66    0.01  4.07  19.47  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    1.73    0.01  1.90  10.95  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.09  1.33  39.10 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.12  1.33  39.71 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.21  1.33  39.45  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.23  1.33  30.49  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   33.39    0.24  1.33  29.48  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.63  1.33  40.95 0.81   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.22  1.53  40.87  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   36.14    0.37  1.33  30.35  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   36.14    0.31  1.77  30.34  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 50.52 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b500a8cb-d122-466e-86c9-29a
    remark: * City of Barrie - 5 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.07  1.75   6.75 0.13   0.000
    [CN=52.2         ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   41.65    0.37  1.77  27.22  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    3.28    0.00 47.13  13.20  n/a   0.000
*
================================================================================================

       V    V   I    SSSSS  U   U    A    L             (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
```

```
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\46449eb8-e657
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\46449eb8-e657


DATE: 03-22-2022                          TIME: 10:55:02

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 03 - CHI10YR.stm          **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      -----------------
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.50   7.28 0.12   0.000
     [CN=46.5         ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
  ** CALIB STANDHYD        0303  1  2.0    1.76    0.22  1.37  31.25 0.52   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.22  1.37  31.25  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0302  1  5.0    1.92    0.17  1.33  25.32 0.42   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.17  1.33  23.31  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.38  1.33  26.88  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26  1.50  26.85  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0305  1  5.0    3.28    0.04  1.92   8.52 0.14   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.28  1.53  18.50  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.28  1.53  18.50  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0306  1  2.0    5.51    0.37  1.37  22.04 0.37   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0301  1  2.0   79.45    5.26  1.60  29.22 0.49   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    5.49  1.60  28.75  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    5.77  1.60  27.95  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    5.78  1.60  27.95  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0307  1  2.0    2.23    0.26  1.33  27.03 0.45   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39    5.88  1.60  27.93  n/a   0.000
*
   ** Reservoir
     OUTFLOW:             0401  1  2.0   94.39    4.00  1.97  27.92  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0314  1  2.0    8.64    0.14  1.80   8.43 0.14   0.000
     [CN=47.8         ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB NASHYD         0309  1  2.0    1.39    0.04  1.60  11.55 0.19   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0308  1  5.0    2.28    0.20  1.33  25.32 0.42   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.22  1.33  20.11  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0316  1  5.0    2.95    0.81  1.33  48.20 0.81   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
     remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
   * CALIB STANDHYD        0315  1  5.0    2.53    0.81  1.33  53.48 0.90   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    1.62  1.33  50.64  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    1.84  1.33  38.39  n/a   0.000
*
     READ STORM                10.0
     [ Ptot= 59.69 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.31  1.33  44.74 0.75   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.81  1.33  31.67 0.53   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.46  1.33  48.83 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.49  1.33  48.83 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.27  1.33  35.49  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.76  1.33  38.08  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.78  1.33  23.53  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.09  1.33  24.88  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    4.40  1.97  27.42  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    4.65  1.93  28.24  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.07  3.73  28.24  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.07  3.80  28.24  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.13  2.08   6.54 0.11   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.06  1.47  24.83 0.42   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.97  1.60  24.83  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.30  1.33  53.26 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08  1.50  53.26  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.20  2.00   9.32  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.13  1.60  17.63  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.03  2.00   5.87 0.10   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.15  1.60  16.54  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    1.98  1.63  25.52  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.97  1.67  25.52  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.97  1.70  25.52  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.69  1.33  48.83 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.19  1.33  33.53 0.56   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.88  1.33  47.34  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.17  2.67  47.14  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.08  1.73  26.82  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.08  1.73  26.82  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.06  2.00   4.33 0.07   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.11  2.17  10.67 0.18   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.06  1.50  19.37 0.32   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.09  1.67   5.80  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.19  2.00   7.84  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    2.26  1.73  24.98  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.07  1.83  11.53 0.19   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
```

```
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.21  1.33  51.75 0.87   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.09  1.43  51.05  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.24  1.37  43.80 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.55  1.37  38.35 0.64   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.87  1.37  39.22 0.66   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.20  1.43  39.21  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.17  1.33  53.31 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.57  1.37  31.32  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.81  1.37  35.55  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.93  1.37  36.04  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    3.01  1.37  36.56  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    4.02  1.37  37.46  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.20  4.10  36.73  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01  1.83   8.07 0.14   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.03  1.63  13.01 0.22   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.10  1.33  30.08 0.50   0.000
    [I%=42.0:S%= 2.00]
*
```

```
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.38  1.33  31.67 0.53   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.39  1.33  27.02  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.49  1.33  27.52  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.02  4.03  24.48  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.02  4.03  24.48  n/a   0.000
       Outflow           0002  2  2.0    2.72    0.00  4.03  24.48  n/a   0.000
       Outflow           0002  3  2.0    1.22    0.02  4.03  24.48  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.29    0.02  4.00  16.81  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.10  1.33  46.77 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.14  1.33  47.57 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.24  1.33  47.22  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.28  1.33  37.02  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   33.95    0.28  1.33  35.66  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.74  1.33  48.83 0.82   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.26  1.53  48.75  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   36.70    0.46  1.33  36.64  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   36.70    0.38  1.87  36.63  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 59.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b2f5a04d-cb16-4767-a0c3-cff
    remark: * City of Barrie - 10 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.10  1.75   9.61 0.16   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.21    0.48  1.83  33.10  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.72    0.00 49.57  16.51  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L             (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL
```

```
        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\0d424588-fa01
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\0d424588-fa01


DATE: 03-22-2022                          TIME: 10:55:00

USER:


COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 04 - CHI25YR.stm          **
 ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     --------------------
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD        0304  1  2.0    0.24    0.01  1.50  10.67 0.15   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.27  1.37  39.07 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.26  1.37  39.07  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.21  1.33  32.58 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.22  1.33  30.15  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.47  1.33  34.15  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.34  1.50  34.13  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD        0305  1  5.0    3.28    0.06  1.92  12.33 0.17   0.000
    [CN=49.8        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.37  1.53  24.20  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.37  1.57  24.20  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.46  1.37  28.39 0.40   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0301  1  2.0   79.45    6.83  1.57  37.02 0.52   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    7.16  1.57  36.46  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    7.53  1.57  35.50  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    7.51  1.57  35.50  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.32  1.33  34.00 0.48   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    7.66  1.57  35.46  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    5.87  1.83  35.46  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD        0314  1  2.0    8.64    0.20  1.77  12.10 0.17   0.000
    [CN=47.8        ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB NASHYD        0309  1  2.0    1.39    0.06  1.60  16.37 0.23   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.25  1.33  32.58 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.27  1.33  26.44  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.97  1.33  58.55 0.82   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.95  1.33  64.31 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.92  1.33  61.21  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.19  1.33  47.27  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
```

```
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.36  1.33  54.40 0.76   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.98  1.33  39.42 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.54  1.33  58.84 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.58  1.33  58.84 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.52  1.33  43.75  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.10  1.33  46.68  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.14  1.33  29.71  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.50  1.33  31.28  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    6.49  1.83  34.76  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    6.88  1.83  35.70  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.15  4.03  35.70  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.15  4.07  35.70  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.20  2.08   9.53 0.13   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.39  1.50  31.65 0.44   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.28  1.60  31.65  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.35  1.33  64.11 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.11  1.50  64.11  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.27  2.00  12.78  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.49  1.60  22.89  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.49  1.60  22.89  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.49  1.63  22.89  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.04  2.00   8.60 0.12   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.52  1.63  21.57  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.39  1.70  32.41  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.39  1.70  32.41  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.39  1.73  32.41  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.20  1.33  58.84 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.22  1.33  41.18 0.58   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.43  1.33  57.12  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.27  2.33  56.92  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.61  1.73  33.90  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.60  1.77  33.90  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.09  2.00   6.44 0.09   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.15  2.17  15.08 0.21   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.09  1.42  26.21 0.37   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.13  1.75   8.38  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.27  2.00  11.18  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    2.85  1.80  31.70  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.10  1.83  16.24 0.23   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
```

```
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.25  1.33  62.37 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.13  1.40  61.66  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.50  1.37  53.22 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.88  1.37  46.98 0.66   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.26  1.37  48.09 0.68   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.50  1.43  48.07  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.20  1.33  64.28 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.90  1.37  38.92  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.40  1.37  43.77  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    3.55  1.37  44.34  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    3.67  1.37  44.93  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    4.95  1.37  46.00  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.23  4.10  45.14  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.02  1.83  11.56 0.16   0.000
    [CN=45.9       ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.04  1.63  18.12 0.25   0.000
    [CN=58.6       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.12  1.33  37.19 0.52   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
```

```
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.46  1.33  39.42 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.47  1.33  34.11  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.59  1.33  34.62  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.04  3.43  31.41  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.04  3.43  31.41  n/a   0.000
       Outflow           0002  2  2.0    2.16    0.00  3.43  31.41  n/a   0.000
       Outflow           0002  3  2.0    1.78    0.03  3.43  31.41  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.85    0.04  2.70  23.95  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.12  1.33  56.55 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.16  1.33  57.62 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.28  1.33  57.16  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.33  1.33  45.48  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.50    0.34  1.33  43.70  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.88  1.33  58.84 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.30  1.53  58.76  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.25    0.57  1.33  44.81  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.25    0.49  1.93  44.80  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 71.24 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\b5dd82a8-5fb2-40b5-b379-f21
    remark: * City of Barrie - 25 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.14  1.75  13.76 0.19   0.000
    [CN=52.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.76    0.62  1.87  40.80  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.16    0.00 50.67  21.16  n/a   0.000
*
================================================================================================================
```

```
      V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
      V    V   I    SS     U   U   A A   L
       V  V    I     SS    U   U  AAAAA  L
       V  V    I       SS  U   U  A   A  L
        VV     I    SSSSS  UUUUU  A   A  LLLLL

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
```

```
       OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\f290a719-9974
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\f290a719-9974


DATE: 03-22-2022                          TIME: 10:55:07

USER:


COMMENTS: _____________________________________________________

 ************************************************
 ** SIMULATION : Run 05 - CHI50YR.stm          **
 ************************************************

  W/E COMMAND              HYD ID   DT     AREA   ' Qpeak Tpeak    R.V. R.C.    Qbase
                                   min      ha     '  cms   hrs      mm           cms

      START @  0.00 hrs
      --------------------
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 ** CALIB NASHYD          0304  1  2.0    0.24    0.01  1.50  13.41 0.17   0.000
     [CN=46.5        ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 ** CALIB STANDHYD        0303  1  2.0    1.76    0.31  1.37  44.85 0.56   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.31  1.37  44.85  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0302  1  5.0    1.92    0.25  1.33  38.03 0.48   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.25  1.33  35.30  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.54  1.33  39.59  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.40  1.50  39.56  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD          0305  1  5.0    3.28    0.08  1.92  15.38 0.19   0.000
     [CN=49.8        ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.44  1.53  28.54  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.44  1.57  28.54  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0306  1  2.0    5.51    0.55  1.37  33.18 0.42   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0301  1  2.0   79.45    7.78  1.53  42.82 0.54   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    8.21  1.53  42.19  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    8.65  1.53  41.13  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    8.63  1.53  41.13  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0307  1  2.0    2.23    0.36  1.33  39.18 0.49   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39    8.83  1.53  41.08  n/a   0.000
*
  ** Reservoir
     OUTFLOW:              0401  1  2.0   94.39    7.15  1.80  41.08  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD          0314  1  2.0    8.64    0.24  1.77  15.03 0.19   0.000
     [CN=47.8        ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB NASHYD          0309  1  2.0    1.39    0.07  1.57  20.17 0.25   0.000
     [CN=57.4        ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0308  1  5.0    2.28    0.29  1.33  38.03 0.48   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.32  1.33  31.27  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0316  1  5.0    2.95    1.11  1.33  66.00 0.83   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0315  1  5.0    2.53    1.06  1.33  72.06 0.91   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    2.17  1.33  68.80  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    2.49  1.33  53.76  n/a   0.000
*
     READ STORM                 10.0
     [ Ptot= 79.45 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
     remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
  *  CALIB STANDHYD        0317  1  5.0    1.19    0.42  1.33  61.39 0.77   0.000
     [I%=70.0:S%= 3.30]
*
```

```
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    1.10  1.33  45.16 0.57   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.60  1.33  66.03 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.65  1.33  66.03 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.70  1.33  49.80  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.35  1.33  52.95  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.40  1.33  34.35  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.82  1.33  36.06  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    7.90  1.77  40.24  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    8.37  1.77  41.25  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.21  4.10  41.25  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.21  4.13  41.25  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.25  2.08  11.94 0.15   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.64  1.50  36.77 0.46   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.52  1.60  36.77  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.39  1.33  71.88 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.13  1.50  71.87  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.32  2.00  15.51  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.79  1.60  26.90  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.79  1.60  26.90  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.78  1.63  26.90  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.05  2.00  10.81 0.14   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.82  1.63  25.41  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.74  1.70  37.57  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.74  1.70  37.57  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.73  1.73  37.57  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.59  1.33  66.03 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.25  1.33  46.78 0.59   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.84  1.33  64.16  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.34  2.25  63.96  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.03  1.77  39.18  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.03  1.77  39.18  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.11  2.00   8.17 0.10   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.19  2.17  18.56 0.23   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.11  1.42  31.43 0.40   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.16  1.75  10.44  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.33  2.00  13.83  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.34  1.77  36.73  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.12  1.83  19.94 0.25   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.28  1.33  69.97 0.88   0.000
```

```
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.16  1.40  69.26  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.69  1.37  60.03 0.76   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.12  1.37  53.26 0.67   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.65  1.33  54.55 0.69   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.73  1.40  54.53  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.23  1.33  72.11 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.15  1.37  44.52  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.84  1.37  49.78  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.01  1.37  50.40  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.16  1.37  51.04  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    5.80  1.37  52.23  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.25  4.13  51.28  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.03  1.83  14.35 0.18   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.04  1.60  22.11 0.28   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.14  1.33  42.43 0.53   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.52  1.33  45.16 0.57   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.53  1.33  39.41  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.67  1.33  39.91  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.05  3.10  36.62  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.05  3.10  36.62  n/a   0.000
       Outflow           0002  2  2.0    1.87    0.00  3.10  36.62  n/a   0.000
       Outflow           0002  3  2.0    2.07    0.05  3.10  36.62  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.14    0.06  2.37  29.03  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.14  1.33  63.60 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.18  1.33  64.86 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.32  1.33  64.31  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.37  1.33  51.64  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.79    0.38  1.33  49.60  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.98  1.33  66.03 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.33  1.53  65.95  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.54    0.64  1.33  50.80  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.54    0.56  2.00  50.79  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 79.45 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\093c2a2b-1684-4afa-a0d8-a33
    remark: * City of Barrie - 50 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.18  1.75  17.06 0.21   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.05    0.72  1.87  46.47  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.87    0.00 51.17  24.66  n/a   0.000
*
================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
Output filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a38c303a-1eea
Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\a38c303a-1eea

DATE: 03-22-2022 TIME: 10:55:05

USER:

COMMENTS: _____

****
** SIMULATION : Run 06 - CHI100YR.stm **
****

W/E	COMMAND	HYD ID	DT min	AREA ha	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
	START @ 0.00 hrs								
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
**	CALIB NASHYD	0304	1 2.0	0.24	0.01	1.50	16.35	0.19	0.000
	[CN=46.5]								
	[N = 3.0:Tp 0.16]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
**	CALIB STANDHYD	0303	1 2.0	1.76	0.35	1.33	50.73	0.58	0.000
	[I%=40.0:S%= 2.00]								
*									
	CHANNEL[2:	0303]	0501	1 2.0	1.76	0.35	1.37	50.73	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0302	1 5.0	1.92	0.28	1.33	43.63	0.50	0.000
	[I%=21.0:S%= 2.00]								
*									
	ADD [0302+	0304]	0901	3 2.0	2.16	0.29	1.33	40.61	n/a 0.000
*									
	ADD [0901+	0501]	0901	1 2.0	3.92	0.62	1.33	45.15	n/a 0.000
*									
	CHANNEL[2:	0901]	0502	1 2.0	3.92	0.46	1.50	45.13	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB NASHYD	0305	1 5.0	3.28	0.10	1.92	18.64	0.21	0.000
	[CN=49.8]								
	[N = 3.0:Tp 0.48]								
*									
	ADD [0305+	0502]	0902	3 2.0	7.20	0.51	1.53	33.06	n/a 0.000
*									
	PIPE [2:	0902]	0601	1 2.0	7.20	0.51	1.53	33.06	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0306	1 2.0	5.51	0.62	1.37	38.13	0.44	0.000
	[I%=22.0:S%= 2.00]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0301	1 2.0	79.45	9.35	1.53	48.74	0.56	0.000
	[I%=31.0:S%= 2.00]								
*									
	ADD [0301+	0306]	0903	3 2.0	84.96	9.85	1.53	48.05	n/a 0.000
*									
	ADD [0903+	0601]	0903	1 2.0	92.16	10.36	1.53	46.88	n/a 0.000
*									
	PIPE [2:	0903]	0602	1 2.0	92.16	10.34	1.53	46.88	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0307	1 2.0	2.23	0.40	1.33	44.48	0.51	0.000
	[I%=33.0:S%= 2.00]								
*									
	ADD [0307+	0602]	0904	3 2.0	94.39	10.56	1.53	46.82	n/a 0.000
*									
**	Reservoir								
	OUTFLOW:	0401	1 2.0	94.39	8.77	1.73	46.81	n/a	0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB NASHYD	0314	1 2.0	8.64	0.30	1.77	18.16	0.21	0.000
	[CN=47.8]								
	[N = 3.0:Tp 0.36]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB NASHYD	0309	1 2.0	1.39	0.09	1.57	24.18	0.28	0.000
	[CN=57.4]								
	[N = 3.0:Tp 0.23]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0308	1 5.0	2.28	0.33	1.33	43.63	0.50	0.000
	[I%=21.0:S%= 2.00]								
*									
	ADD [0308+	0309]	0906	3 2.0	3.67	0.37	1.33	36.27	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0316	1 5.0	2.95	1.23	1.33	73.44	0.84	0.000
	[I%=74.0:S%= 2.00]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0315	1 5.0	2.53	1.16	1.33	79.75	0.91	0.000
	[I%=90.0:S%= 2.00]								
*									
	ADD [0315+	0316]	0907	3 5.0	5.48	2.40	1.33	76.35	n/a 0.000
*									
	ADD [0907+	0906]	0907	1 2.0	9.15	2.76	1.33	60.29	n/a 0.000
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								
	remark: * City of Barrie - 100 yr Chicago (4hr) + 15%								
*									
*	CALIB STANDHYD	0317	1 5.0	1.19	0.46	1.33	68.37	0.78	0.000
	[I%=70.0:S%= 3.30]								
*									
	READ STORM		10.0						
	[Ptot= 87.58 mm]								
	fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f								

```
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    1.23  1.33  50.98 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.66  1.33  73.19 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.71  1.33  73.19 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.89  1.33  55.92  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.61  1.33  59.27  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.67  1.33  39.10  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    3.13  1.33  40.96  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    9.69  1.73  45.84  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   10.27  1.73  46.92  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.25  4.13  46.92  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.25  4.20  46.92  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.30  2.08  14.54 0.17   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.93  1.47  42.02 0.48   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.80  1.60  42.02  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.43  1.33  79.58 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  1.42  79.58  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.38  2.00  18.42  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.12  1.60  31.06  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.12  1.60  31.06  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.11  1.63  31.06  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.07  2.00  13.20 0.15   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.16  1.63  29.41  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.12  1.67  42.85  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.12  1.67  42.85  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.10  1.73  42.85  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.97  1.33  73.19 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.28  1.33  52.44 0.60   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    4.25  1.33  71.17  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.42  2.08  70.97  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.48  1.73  44.57  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.47  1.73  44.57  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.14  2.00  10.05 0.11   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.23  2.17  22.25 0.25   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.14  1.42  36.84 0.42   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.19  1.75  12.67  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.41  2.00  16.67  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.84  1.73  41.87  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.14  1.83  23.86 0.27   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.31  1.33  77.51 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
```

```
    OUTFLOW:             0403  1  2.0    0.69    0.19  1.40  76.81  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.90  1.37  66.84 0.76   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.37  1.37  59.57 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.96  1.33  61.04 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.98  1.40  61.02  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.25  1.33  79.88 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.41  1.37  50.21  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    4.31  1.37  55.85  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.49  1.37  56.51  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.68  1.37  57.20  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.55  1.37  58.51  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.27  4.13  57.45  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.03  1.83  17.34 0.20   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.05  1.60  26.32 0.30   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.15  1.33  47.76 0.55   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.59  1.33  50.98 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.61  1.33  44.83  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.77  1.33  45.31  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.07  2.73  41.97  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.07  2.73  41.97  n/a   0.000
       Outflow           0002  2  2.0    1.64    0.00  2.73  41.97  n/a   0.000
       Outflow           0002  3  2.0    2.30    0.07  2.73  41.97  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.37    0.09  2.27  34.15  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.15  1.33  70.62 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.20  1.33  72.08 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.35  1.33  71.45  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.41  1.33  57.84  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.02    0.42  1.33  55.56  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    1.09  1.33  73.19 0.84   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.35  1.53  73.11  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.77    0.70  1.33  56.84  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.77    0.63  2.03  56.82  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 87.58 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\aa649be0-41a3-4366-8b20-f6f
    remark: * City of Barrie - 100 yr Chicago (4hr) + 15%
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.22  1.75  20.57 0.23   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.28    0.83  1.87  52.21  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.64    0.00 51.47  28.28  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO

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```

```
                *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\d22fec51-be0b
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\d22fec51-be0b

DATE: 03-22-2022                          TIME: 10:55:06

USER:

COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 07 - 2Y6H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA   ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha    '  cms   hrs     mm          cms

      START @  0.00 hrs
      -----------------
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  3.33   3.25 0.08   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.12  3.27  20.26 0.48   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.12  3.30  20.26  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.09  3.25  15.46 0.37   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.09  3.23  14.08  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.21  3.23  16.86  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.15  3.37  16.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.02  3.75   3.93 0.09   0.000
    [CN=49.8        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.16  3.37  10.96  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.16  3.40  10.96  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.21  3.27  13.49 0.32   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    2.89  3.47  18.41 0.44   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    3.02  3.47  18.09  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    3.17  3.47  17.53  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    3.17  3.47  17.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.13  3.27  17.35 0.41   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    3.23  3.47  17.53  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    1.55  4.13  17.52  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.07  3.57   4.00 0.09   0.000
    [CN=47.8        ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.02  3.40   5.60 0.13   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  3.25  15.46 0.37   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  3.23  11.71  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.43  3.25  32.98 0.78   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.42  3.25  37.27 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.86  3.25  34.96  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.97  3.23  25.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.16  3.25  30.57 0.72   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.44  3.25  20.75 0.49   0.000
```

```
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.24  3.25  33.96 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.26  3.25  33.96 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.68  3.25  23.69  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    0.94  3.25  25.69  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    0.96  3.23  15.02  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.12  3.23  16.00  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    1.69  4.13  17.27  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    2.18  3.23  17.89  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.84  4.97  17.89  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.84  5.00  17.89  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.07  3.83   3.00 0.07   0.000
    [CN=41.8          ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.63  3.40  15.51 0.37   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.59  3.47  15.51  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.15  3.25  37.05 0.88   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.07  3.33  37.05  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.12  3.75   5.02  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.70  3.50  10.64  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.70  3.50  10.64  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.69  3.50  10.64  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.01  3.83   2.66 0.06   0.000
    [CN=39.2          ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.71  3.53   9.90  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    1.44  3.50  16.03  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.44  3.53  16.03  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.43  3.57  16.03  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.45  3.25  33.96 0.80   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.10  3.25  22.58 0.53   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    1.55  3.25  32.85  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.06  5.25  32.66  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    1.46  3.60  17.01  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    1.46  3.60  17.01  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.03  3.83   1.89 0.04   0.000
    [CN=32.7          ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.06  3.92   5.24 0.12   0.000
    [CN=53.6          ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.03  3.33  10.43 0.25   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.05  3.42   2.73  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.10  3.75   3.78  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    1.56  3.60  15.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.04  3.63   5.70 0.13   0.000
    [CN=56.0          ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 42.30 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
    remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.11  3.23  35.89 0.85   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.06  3.33  35.19  n/a   0.000
*
    READ STORM                15.0
```

```
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.68  3.30  29.95 0.71   0.000
     [I%=70.5:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    0.87  3.27  25.87 0.61   0.000
     [I%=58.9:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.06  3.27  26.39 0.62   0.000
     [I%=59.3:S%= 2.00]
*
     CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.75  3.33  26.38  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.09  3.25  36.94 0.87   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0320+  0322]  0915  3  2.0   12.59    0.89  3.27  20.58  n/a   0.000
*
     ADD [  0915+  0324]  0915  1  2.0   19.05    1.57  3.27  23.76  n/a   0.000
*
     ADD [  0915+  0325]  0915  3  2.0   19.59    1.64  3.27  24.12  n/a   0.000
*
     ADD [  0915+  0403]  0915  1  2.0   20.28    1.69  3.27  24.50  n/a   0.000
*
     ADD [  0915+  0508]  0915  3  2.0   30.78    2.39  3.30  25.14  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0404  1  2.0   30.78    0.11  5.97  24.54  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01  3.58   3.86 0.09   0.000
     [CN=45.9        ]
     [ N = 3.0:Tp 0.42]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.01  3.43   6.60 0.16   0.000
     [CN=58.6        ]
     [ N = 3.0:Tp 0.26]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.05  3.23  20.00 0.47   0.000
     [I%=42.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.19  3.23  20.75 0.49   0.000
     [I%=40.0:S%= 2.00]
*
     ADD [  0202+  0205]  0913  3  2.0    3.29    0.20  3.23  17.22  n/a   0.000
*
     ADD [  0913+  0206]  0913  1  2.0    3.94    0.25  3.23  17.68  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0405  1  2.0    3.94    0.00  6.43  15.41  n/a   0.000
*
     DIVERT HYD           0801  1  2.0    3.94    0.00  6.43  15.41  n/a   0.000
        Outflow           0002  2  2.0    3.77    0.00  6.43  15.41  n/a   0.000
        Outflow           0002  3  2.0    0.17    0.00  6.43  15.41  n/a   0.000
        Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
        Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
        Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
     ADD [  0207+  0801]  0914  3  2.0    1.24    0.01  3.67   5.47  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.05  3.25  32.31 0.76   0.000
     [I%=75.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07  3.25  32.75 0.77   0.000
     [I%=75.0:S%= 2.00]
*
     ADD [  0327+  0328]  0916  3  5.0    0.88    0.12  3.25  32.56  n/a   0.000
*
     ADD [  0916+  0404]  0916  1  2.0   31.66    0.16  3.23  24.76  n/a   0.000
*
     ADD [  0916+  0914]  0916  3  2.0   32.90    0.17  3.23  24.03  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.40  3.23  33.96 0.80   0.000
     [I%=80.0:S%= 2.00]
*
 ** Reservoir
     OUTFLOW:             0406  1  2.0    2.75    0.18  3.37  33.88  n/a   0.000
*
     ADD [  0406+  0916]  0917  3  2.0   35.65    0.31  3.27  24.79  n/a   0.000
*
     CHANNEL[ 2:  0917]   0509  1  2.0   35.65    0.24  3.57  24.78  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 42.30 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\4b8476c1-9f38-46c0-9412-c6d
     remark: 2yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.05  3.50   4.56 0.11   0.000
     [CN=52.2        ]
     [ N = 3.0:Tp 0.36]
*
     ADD [  0326+  0509]  0918  3  2.0   41.16    0.30  3.57  22.07  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0413  1  2.0    3.77    0.00 42.63  10.60  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****
```

```
  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\81f141a8-18c8
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\81f141a8-18c8

DATE: 03-22-2022                          TIME: 10:55:03

USER:

COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 08 - 5Y6H.STM             **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  3.33   7.22 0.12   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.18  3.27  31.12 0.52   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.18  3.27  31.12  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.17  3.25  25.20 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.17  3.23  23.17  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.35  3.27  26.74  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26  3.33  26.71  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.05  3.67   8.46 0.14   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.29  3.33  18.39  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.29  3.37  18.39  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.35  3.27  21.94 0.37   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    5.06  3.47  29.09 0.49   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    5.28  3.47  28.63  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    5.56  3.43  27.83  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    5.56  3.43  27.83  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.21  3.23  26.92 0.45   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    5.66  3.43  27.80  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    4.22  3.70  27.80  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.16  3.53   8.37 0.14   0.000
    [CN=47.8       ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.05  3.40  11.48 0.19   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.20  3.25  25.20 0.42   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.22  3.23  19.98  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.63  3.25  48.03 0.81   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.60  3.25  53.29 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.23  3.25  50.46  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.45  3.23  38.16  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.24  3.25  44.58 0.75   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.68  3.25  31.54 0.53   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 15.0
```

```
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.34  3.25  48.66 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.37  3.25  48.66 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.03  3.25  35.35  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.40  3.25  37.94  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.45  3.23  23.39  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.68  3.23  24.73  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    4.65  3.70  27.29  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    4.93  3.70  28.10  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.05  5.17  28.10  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.05  5.20  28.10  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.15  3.83   6.49 0.11   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.07  3.37  24.72 0.42   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.00  3.47  24.72  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.22  3.25  53.08 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08  3.33  53.07  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.21  3.75   9.27  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.18  3.47  17.55  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.18  3.47  17.55  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.18  3.50  17.55  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.03  3.75   5.83 0.10   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.21  3.50  16.46  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.04  3.50  25.40  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.04  3.53  25.40  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.03  3.53  25.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.10  3.25  48.66 0.82   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.15  3.25  33.41 0.56   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.25  3.25  47.18  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.18  3.92  46.98  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.18  3.60  26.69  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.18  3.60  26.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.07  3.75   4.30 0.07   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.12  3.92  10.60 0.18   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.07  3.33  19.27 0.32   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.11  3.42   5.76  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.21  3.75   7.79  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    2.38  3.60  24.86  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.08  3.60  11.45 0.19   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.16  3.23  51.57 0.87   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.11  3.30  50.87  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.04  3.27  43.64 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.31  3.27  38.21 0.64   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.58  3.27  39.08 0.66   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.16  3.33  39.06  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.13  3.25  53.13 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.35  3.27  31.20  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.39  3.27  35.42  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.49  3.27  35.90  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.60  3.27  36.41  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    3.67  3.27  37.32  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.19  5.53  36.52  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.02  3.58   8.01 0.13   0.000
    [CN=45.9       ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.03  3.40  12.93 0.22   0.000
    [CN=58.6       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.08  3.23  29.96 0.50   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.31  3.23  31.54 0.53   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.32  3.23  26.90  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.40  3.23  27.41  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.02  5.50  24.11  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.02  5.50  24.11  n/a   0.000
       Outflow           0002  2  2.0    2.74    0.00  5.50  24.11  n/a   0.000
       Outflow           0002  3  2.0    1.20    0.01  5.50  24.11  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.27    0.02  3.83  16.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.08  3.25  46.60 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10  3.25  47.40 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.18  3.25  47.06  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.24  3.23  36.81  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   33.93    0.25  3.23  35.45  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.57  3.23  48.66 0.82   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.27  3.33  48.58  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   36.68    0.48  3.27  36.43  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   36.68    0.38  3.67  36.42  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 59.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e6dce60c-0220-4040-9862-0d4
    remark: 5yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.11  3.50   9.55 0.16   0.000
    [CN=52.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.19    0.49  3.60  32.91  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.74    0.00 51.27  16.02  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\496a2605-2aa0
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\496a2605-2aa0
```

DATE: 03-22-2022 TIME: 10:55:02

USER:

COMMENTS: _____

```
 ********************************************
 ** SIMULATION : Run 09 - 10Y6H.STM        **
 ********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  3.33  10.54 0.15   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.24  3.27  38.77 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.24  3.27  38.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.22  3.25  32.29 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.22  3.23  29.84  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.45  3.27  33.85  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.35  3.33  33.82  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.07  3.67  12.18 0.17   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.40  3.33  23.96  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.39  3.40  23.96  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.46  3.27  28.14 0.40   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    6.70  3.43  36.71 0.52   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    7.02  3.43  36.16  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    7.41  3.43  35.21  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    7.41  3.43  35.21  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.26  3.23  33.73 0.48   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    7.53  3.43  35.17  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    6.23  3.60  35.16  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.22  3.53  11.95 0.17   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.07  3.40  16.18 0.23   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.26  3.25  32.30 0.46   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.30  3.27  26.17  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.76  3.25  58.16 0.82   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.72  3.25  63.91 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.48  3.25  60.81  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.77  3.23  46.82  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.28  3.25  54.03 0.76   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.85  3.25  39.13 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.41  3.25  58.46 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.45  3.25  58.46 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.26  3.25  43.43  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.71  3.25  46.35  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.79  3.23  29.43  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.07  3.23  30.98  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    6.84  3.60  34.47  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    7.20  3.60  35.39  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.14  5.30  35.39  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.14  5.33  35.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.22  3.83   9.41 0.13   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.40  3.37  31.39 0.44   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.30  3.43  31.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.26  3.25  63.70 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.11  3.33  63.70  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.29  3.75  12.64  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.54  3.47  22.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.05  3.75   8.49 0.12   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.58  3.47  21.37  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.48  3.53  32.13  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.48  3.53  32.13  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.47  3.57  32.13  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.53  3.25  58.46 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.18  3.25  40.88 0.58   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.71  3.25  56.75  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.28  3.83  56.55  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.73  3.57  33.61  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.72  3.60  33.61  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.10  3.75   6.36 0.09   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.17  3.92  14.90 0.21   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.10  3.25  25.95 0.37   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.16  3.33   8.27  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.29  3.75  11.04  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.00  3.60  31.42  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.11  3.60  16.05 0.23   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.19  3.23  61.97 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.15  3.30  61.26  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.27  3.27  52.87 0.75   0.000
    [I%=70.5:S%= 2.00]
```

```
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.63  3.27  46.65 0.66   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.95  3.27  47.75 0.67   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.47  3.33  47.74  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.15  3.25  63.85 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.68  3.27  38.63  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.95  3.27  43.46  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    3.08  3.27  44.01  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    3.22  3.27  44.60  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    4.60  3.27  45.67  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.23  5.57  44.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.02  3.58  11.42 0.16   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.04  3.40  17.92 0.25   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.10  3.23  36.91 0.52   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.39  3.23  39.13 0.55   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.41  3.23  33.84  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.51  3.23  34.35  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.04  4.80  30.85  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.04  4.80  30.85  n/a   0.000
       Outflow           0002  2  2.0    2.18    0.00  4.80  30.85  n/a   0.000
       Outflow           0002  3  2.0    1.76    0.03  4.80  30.85  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.83    0.05  3.90  23.50  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.09  3.25  56.18 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.13  3.25  57.23 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.22  3.25  56.78  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.29  3.23  45.06  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.48    0.30  3.23  43.29  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.69  3.23  58.46 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.30  3.33  58.38  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.23    0.57  3.23  44.41  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.23    0.49  3.73  44.40  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 70.80 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\f0df0486-d46b-4e1f-a490-9c5
    remark: 10yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.16  3.50  13.59 0.19   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.74    0.64  3.63  40.43  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.18    0.00 52.37  20.52  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\2cb016ed-0927
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\2cb016ed-0927

DATE: 03-22-2022                          TIME: 10:55:01
```

USER:

COMMENTS: _____

```
************************************************
** SIMULATION : Run 10 - 25Y6H.STM            **
************************************************
```

```
  W/E COMMAND              HYD ID   DT     AREA   ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min      ha    '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  ** CALIB NASHYD          0304  1  2.0    0.24    0.01  3.33  15.46 0.18   0.000
     [CN=46.5         ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
  ** CALIB STANDHYD        0303  1  2.0    1.76    0.31  3.27  48.99 0.58   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.31  3.27  48.99  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0302  1  5.0    1.92    0.29  3.25  41.97 0.49   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.29  3.23  38.98  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.59  3.27  43.48  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.47  3.33  43.45  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD          0305  1  5.0    3.28    0.10  3.67  17.66 0.21   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.54  3.33  31.70  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.53  3.37  31.70  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0306  1  2.0    5.51    0.62  3.27  36.66 0.43   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0301  1  2.0   79.45    8.94  3.40  46.99 0.55   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    9.42  3.40  46.32  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    9.95  3.40  45.17  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    9.89  3.40  45.17  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0307  1  2.0    2.23    0.36  3.23  42.91 0.50   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39   10.07  3.40  45.12  n/a   0.000
*
  ** Reservoir
     OUTFLOW:             0401  1  2.0   94.39    8.87  3.53  45.11  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD          0314  1  2.0    8.64    0.33  3.53  17.22 0.20   0.000
     [CN=47.8         ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD          0309  1  2.0    1.39    0.10  3.37  22.98 0.27   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0308  1  5.0    2.28    0.34  3.25  41.97 0.49   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.40  3.27  34.75  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0316  1  5.0    2.95    0.93  3.25  71.25 0.84   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0315  1  5.0    2.53    0.87  3.25  77.50 0.91   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    1.80  3.25  74.13  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    2.19  3.23  58.22  n/a   0.000
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0317  1  5.0    1.19    0.35  3.25  66.32 0.78   0.000
     [I%=70.0:S%= 3.30]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0201  1  5.0    5.62    1.07  3.25  49.26 0.58   0.000
     [I%=40.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot= 85.20 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
     remark: 25yr/6hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0203  1  5.0    1.61    0.50  3.25  71.09 0.83   0.000
     [I%=80.0:S%= 2.00]
```

```
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.54  3.25  71.09 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.57  3.25  54.12  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.11  3.25  57.41  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.24  3.23  37.63  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.59  3.23  39.44  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    9.72  3.53  44.17  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   10.22  3.53  45.22  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.23  5.50  45.22  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.23  5.53  45.22  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.32  3.83  13.76 0.16   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.88  3.37  40.46 0.47   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.75  3.43  40.46  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.32  3.25  77.32 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  3.33  77.32  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.40  3.75  17.54  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.10  3.43  29.82  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.10  3.43  29.82  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.10  3.47  29.82  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.07  3.75  12.48 0.15   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.16  3.47  28.22  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.14  3.50  41.27  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.14  3.50  41.27  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.15  3.53  41.27  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.09  3.25  71.09 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.22  3.25  50.77 0.60   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.31  3.25  69.11  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.43  3.75  68.91  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.56  3.53  42.95  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.55  3.53  42.95  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.15  3.75   9.48 0.11   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.24  3.83  21.14 0.25   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.15  3.25  35.23 0.41   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.23  3.33  12.00  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.42  3.75  15.82  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.94  3.53  40.33  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.15  3.60  22.69 0.27   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.23  3.23  75.30 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.19  3.27  74.60  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.60  3.27  64.84 0.76   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.04  3.27  57.71 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.42  3.27  59.12 0.69   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.88  3.30  59.11  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.18  3.25  77.58 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.12  3.27  48.53  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.72  3.27  54.06  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    3.88  3.27  54.70  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.07  3.27  55.38  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    5.85  3.27  56.65  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.26  5.67  55.52  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.03  3.58  16.44 0.19   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.06  3.40  25.06 0.29   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.12  3.23  46.18 0.54   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.49  3.23  49.26 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.53  3.23  43.23  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.65  3.23  43.71  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.07  4.23  40.07  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.07  4.23  40.07  n/a   0.000
       Outflow           0002  2  2.0    1.70    0.00  4.23  40.07  n/a   0.000
       Outflow           0002  3  2.0    2.24    0.06  4.23  40.07  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.31    0.09  3.87  32.43  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.11  3.25  68.56 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.15  3.25  69.96 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.27  3.25  69.35  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.37  3.23  55.90  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.96    0.39  3.23  53.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.84  3.23  71.09 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.35  3.33  71.01  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.71    0.71  3.27  54.94  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.71    0.62  3.77  54.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 85.20 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\35d939c9-02c7-434c-bb17-cde
    remark: 25yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.24  3.50  19.51 0.23   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.22    0.83  3.60  50.42  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.70    0.00 53.13  26.69  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\8c7b6b62-c4b9
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\8c7b6b62-c4b9


DATE: 03-22-2022                          TIME: 10:55:04

USER:
```

COMMENTS: _____

```
************************************************
** SIMULATION : Run 11 - 50Y6H.STM            **
************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      -------------------
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  3.33  19.59 0.20   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.36  3.27  56.90 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.36  3.27  56.90  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.38  3.25  49.56 0.52   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.38  3.23  46.19  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.73  3.27  51.00  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.59  3.33  50.97  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.13  3.67  22.22 0.23   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.68  3.33  37.87  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67  3.37  37.87  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.77  3.27  43.38 0.45   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45   10.96  3.40  54.96 0.57   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   11.55  3.40  54.21  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   12.21  3.40  52.93  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   12.14  3.40  52.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.42  3.23  50.07 0.52   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   12.37  3.37  52.87  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39   11.46  3.50  52.86  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.41  3.53  21.60 0.23   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.12  3.37  28.55 0.30   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.45  3.25  49.56 0.52   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.52  3.23  41.57  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    1.06  3.25  81.11 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.98  3.25  87.65 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    2.04  3.25  84.13  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.56  3.23  66.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.40  3.25  75.60 0.79   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    1.24  3.25  57.08 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.57  3.25  80.57 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.61  3.25  80.57 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.81  3.25  62.31  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.43  3.25  65.86  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.59  3.23  44.08  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.99  3.23  46.06  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   12.53  3.47  51.73  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   13.14  3.47  52.87  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.28  5.63  52.87  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.28  5.67  52.87  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.40  3.83  17.42 0.18   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.28  3.33  47.58 0.50   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.11  3.40  47.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.36  3.25  87.51 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19  3.33  87.50  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.49  3.75  21.59  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.55  3.43  35.51  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.09  3.75  15.85 0.17   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.62  3.43  33.70  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.65  3.47  48.41  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.65  3.47  48.41  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.66  3.47  48.41  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.51  3.25  80.57 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.26  3.25  58.35 0.61   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.76  3.25  78.41  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.54  3.75  78.21  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    4.18  3.47  50.23  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    4.17  3.50  50.23  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.20  3.75  12.15 0.13   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.30  3.83  26.27 0.27   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.18  3.25  42.61 0.44   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.29  3.33  15.13  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.53  3.75  19.79  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    4.65  3.50  47.29  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.19  3.60  28.12 0.29   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.26  3.23  85.27 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 **  Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.22  3.27  84.57  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.84  3.27  73.88 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.35  3.27  66.14 0.69   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.82  3.23  67.79 0.71   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.22  3.30  67.77  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.21  3.25  87.86 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.45  3.27  56.17  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    4.29  3.27  62.18  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.46  3.27  62.88  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.68  3.27  63.62  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.85  3.27  65.03  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.28  5.87  63.74  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.04  3.58  20.62 0.22   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.07  3.40  30.88 0.32   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.14  3.23  53.34 0.56   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.57  3.23  57.08 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.61  3.23  50.55  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.76  3.23  51.01  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.09  4.00  47.30  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.09  4.00  47.30  n/a   0.000
       Outflow           0002  2  2.0    1.45    0.00  4.00  47.30  n/a   0.000
       Outflow           0002  3  2.0    2.49    0.09  4.00  47.30  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.56    0.12  3.83  39.28  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.13  3.25  77.89 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.17  3.25  79.54 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.30  3.25  78.83  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.44  3.23  64.16  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.21    0.47  3.23  61.64  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.95  3.23  80.57 0.84   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.38  3.33  80.49  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.96    0.82  3.27  63.01  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.96    0.72  3.80  62.99  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 95.90 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\3777c4c2-6a1e-4195-92ec-ca5
    remark: 50yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.30  3.50  24.41 0.25   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.47    0.98  3.60  58.10  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.45    0.00 53.47  31.54  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\87e1bd2f-2ebf
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\87e1bd2f-2ebf


DATE: 03-22-2022                          TIME: 10:55:03

USER:


COMMENTS: _____________________________________________________
```

```
**********************************************
** SIMULATION : Run 12 - 100Y6H.STM          **
**********************************************

 W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                 min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     --------------------
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  3.33  24.04 0.23   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.42  3.27  64.95 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.42  3.27  64.95  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.45  3.25  57.35 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.45  3.23  53.60  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.86  3.27  58.69  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.70  3.33  58.67  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.16  3.67  27.11 0.25   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.81  3.33  44.29  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.80  3.37  44.29  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.91  3.27  50.34 0.47   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45   12.76  3.40  63.10 0.59   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   13.46  3.40  62.28  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   14.24  3.40  60.87  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   14.19  3.40  60.87  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.48  3.23  57.40 0.54   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   14.46  3.37  60.79  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39   13.74  3.47  60.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.50  3.53  26.30 0.25   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.15  3.37  34.44 0.32   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.53  3.25  57.35 0.54   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.62  3.27  48.64  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    1.21  3.25  90.95 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    1.10  3.25  97.74 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    2.31  3.25  94.09  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.91  3.23  75.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.46  3.25  84.91 0.80   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    1.51  3.25  65.05 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.63  3.25  90.03 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.69  3.25  90.03 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    2.14  3.25  70.62  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.83  3.25  74.38  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    3.04  3.23  50.72  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    3.49  3.23  52.87  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   14.96  3.47  59.47  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   15.65  3.47  60.68  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.34  5.77  60.68  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.34  5.80  60.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.50  3.75  21.37 0.20   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.66  3.33  54.90 0.52   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.47  3.40  54.90  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.40  3.25  97.63 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.22  3.33  97.63  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.58  3.75  25.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.00  3.43  41.44  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.00  3.43  41.44  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.01  3.43  41.44  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.11  3.75  19.50 0.18   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.10  3.43  39.41  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    4.17  3.47  55.74  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    4.18  3.47  55.74  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    4.18  3.47  55.74  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.93  3.25  90.03 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.29  3.25  66.05 0.62   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    4.22  3.25  87.70  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.66  3.67  87.50  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    4.83  3.47  57.69  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    4.81  3.50  57.69  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.24  3.75  15.07 0.14   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.36  3.83  31.72 0.30   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.22  3.25  50.24 0.47   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.35  3.33  18.51  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.65  3.75  24.03  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    5.40  3.50  54.43  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.23  3.57  33.87 0.32   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.29  3.23  95.19 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.25  3.27  94.49  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    2.07  3.27  82.95 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.67  3.27  74.64 0.70   0.000
    [I%=58.9:S%= 2.00]
*
```

```
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    3.23  3.23  76.51 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.58  3.30  76.50  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.23  3.25  98.05 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.79  3.27  63.95  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    4.86  3.27  70.39  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    5.06  3.27  71.15  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    5.31  3.27  71.94  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    7.84  3.27  73.50  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.48  5.17  72.14  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.05  3.58  25.11 0.24   0.000
    [CN=45.9       ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.09  3.40  37.00 0.35   0.000
    [CN=58.6       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.16  3.23  60.63 0.57   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.65  3.23  65.05 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.71  3.23  58.06  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.87  3.23  58.49  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.12  3.93  54.73  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.12  3.93  54.73  n/a   0.000
       Outflow           0002  2  2.0    1.26    0.00  3.93  54.73  n/a   0.000
       Outflow           0002  3  2.0    2.68    0.12  3.93  54.73  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.75    0.16  3.80  46.27  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.15  3.25  87.22 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.20  3.25  89.14 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.34  3.25  88.31  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.51  3.23  72.58  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.40    0.60  4.77  69.80  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    1.07  3.23  90.03 0.85   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.41  3.37  89.95  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.15    0.93  3.27  71.25  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.15    0.81  3.80  71.23  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=106.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\76ce3638-9d45-444e-b3f0-023
    remark: 100yr/6hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.36  3.50  29.62 0.28   0.000
    [CN=52.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.66    1.13  3.60  65.98  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.26    0.00 53.73  36.52  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\6ade347b-d442
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\6ade347b-d442

DATE: 03-22-2022                          TIME: 10:55:03

USER:


COMMENTS: _____________________________________________________

  ********************************************
  ** SIMULATION : Run 13 - 2Y12H.STM          **
```

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  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  6.33   4.13 0.09   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.11  6.27  22.93 0.49   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.11  6.30  22.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.09  6.25  17.80 0.38   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.09  6.23  16.27  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.20  6.23  19.26  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.14  6.37  19.24  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.02  6.67   4.95 0.11   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.16  6.37  12.73  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.16  6.40  12.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.20  6.27  15.52 0.33   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    2.74  6.50  21.01 0.45   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    2.86  6.50  20.66  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    3.01  6.50  20.04  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    3.01  6.50  20.04  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.13  6.27  19.69 0.42   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    3.06  6.50  20.03  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    1.63  7.07  20.02  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.08  6.53   4.98 0.11   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.02  6.40   6.94 0.15   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11  6.25  17.80 0.38   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.12  6.23  13.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.41  6.25  36.77 0.79   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.39  6.25  41.34 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.80  6.25  38.88  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.92  6.23  28.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.15  6.25  34.10 0.73   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.42  6.25  23.41 0.50   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.23  6.25  37.69 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.24  6.25  37.68 0.81   0.000
    [I%=80.0:S%= 2.00]
*
```

```
   ADD [  0201+  0203]  1514  3  5.0    7.23    0.64  6.25  26.59  n/a   0.000
*
   ADD [  1514+  0204]  1514  1  5.0    8.97    0.88  6.25  28.74  n/a   0.000
*
   ADD [  1514+  0314]  0905  3  2.0   17.61    0.91  6.23  17.06  n/a   0.000
*
   ADD [  0905+  0317]  0905  1  2.0   18.80    1.06  6.23  18.14  n/a   0.000
*
   ADD [  0905+  0401]  0905  3  2.0  113.19    1.76  7.07  19.71  n/a   0.000
*
   ADD [  0905+  0907]  0905  1  2.0  122.34    2.07  6.23  20.38  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             4011  1  2.0  122.34    0.84  7.90  20.38  n/a   0.000
*
   CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.84  7.93  20.38  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.07  6.83   3.77 0.08   0.000
   [CN=41.8         ]
   [ N = 3.0:Tp 0.57]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    0.59  6.40  17.74 0.38   0.000
   [I%=27.0:S%= 2.00]
*
   CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.56  6.50  17.74  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    0.93    0.14  6.25  41.12 0.88   0.000
   [I%=89.0:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0402  1  5.0    0.93    0.06  6.33  41.12  n/a   0.000
*
   ADD [  0312+  0402]  0908  3  5.0   15.62    0.12  6.67   6.00  n/a   0.000
*
   ADD [  0908+  0503]  0908  1  2.0   33.64    0.67  6.50  12.29  n/a   0.000
*
   PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.67  6.50  12.29  n/a   0.000
*
   CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.67  6.53  12.29  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.02  6.75   3.36 0.07   0.000
   [CN=39.2         ]
   [ N = 3.0:Tp 0.52]
*
   ADD [  0310+  0504]  0909  3  2.0   37.06    0.68  6.53  11.46  n/a   0.000
*
   ADD [  0909+  0505]  0909  1  2.0  159.40    1.41  6.53  18.31  n/a   0.000
*
   CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.40  6.57  18.31  n/a   0.000
*
   PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.40  6.57  18.31  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0209  1  5.0   10.10    1.35  6.25  37.69 0.81   0.000
   [I%=80.0:S%= 2.00]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0208  1  5.0    1.09    0.09  6.25  25.27 0.54   0.000
   [I%=49.0:S%= 2.00]
*
   ADD [  0208+  0209]  0911  3  5.0   11.19    1.45  6.25  36.48  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             0407  1  5.0   11.19    0.06  8.25  36.28  n/a   0.000
*
   ADD [ 23316+  0407]  0910  3  2.0  170.59    1.44  6.57  19.34  n/a   0.000
*
   CHANNEL[ 2:  0910]   0507  1  2.0  170.59    1.44  6.60  19.34  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.03  6.75   2.42 0.05   0.000
   [CN=32.7         ]
   [ N = 3.0:Tp 0.51]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0329  1  5.0    7.64    0.06  6.83   6.46 0.14   0.000
   [CN=53.6         ]
   [ N = 3.0:Tp 0.64]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0319  1  5.0    1.04    0.03  6.33  12.51 0.27   0.000
   [I%= 1.0:S%= 4.00]
*
   ADD [  0313+  0319]  0912  3  5.0   10.64    0.06  6.42   3.41  n/a   0.000
*
   ADD [  0912+  0329]  0912  1  5.0   18.28    0.11  6.75   4.68  n/a   0.000
*
   ADD [  0912+  0507]  0912  3  2.0  188.87    1.54  6.60  17.92  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.04  6.60   7.01 0.15   0.000
   [CN=56.0         ]
   [ N = 3.0:Tp 0.41]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.10  6.23  39.87 0.85   0.000
   [I%=87.8:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0403  1  2.0    0.69    0.06  6.33  39.17  n/a   0.000
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    0.63  6.30  33.40 0.72   0.000
   [I%=70.5:S%= 2.00]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
   remark: 2yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.29    0.81  6.27  28.96 0.62   0.000
   [I%=58.9:S%= 2.00]
*
   READ STORM                 15.0
   [ Ptot= 46.69 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
```

```
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.97  6.27  29.56 0.63   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.69  6.37  29.55  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08  6.25  41.07 0.88   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    0.83  6.27  23.20  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    1.46  6.27  26.66  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    1.53  6.27  27.06  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    1.58  6.27  27.47  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    2.20  6.30  28.18  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.11  8.83  27.37  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01  6.58   4.79 0.10   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.02  6.40   8.05 0.17   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.05  6.23  22.46 0.48   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.18  6.23  23.41 0.50   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.19  6.23  19.58  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.24  6.23  20.06  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.00 12.30  16.82  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.00 12.30  16.82  n/a   0.000
       Outflow           0002  2  2.0    3.65    0.00 12.30  16.82  n/a   0.000
       Outflow           0002  3  2.0    0.29    0.00 12.30  16.82  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    1.36    0.01  6.60   7.33  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.05  6.25  35.92 0.77   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07  6.25  36.44 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.12  6.25  36.22  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.16  6.23  27.62  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   33.01    0.17  6.23  26.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.37  6.23  37.69 0.81   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.17  6.37  37.61  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   35.76    0.30  6.27  27.62  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   35.76    0.24  6.57  27.61  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 46.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1809b476-af65-4c61-8197-ab4
    remark: 2yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.06  6.50   5.69 0.12   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   41.27    0.29  6.53  24.68  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    3.65    0.00 51.10  10.90  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\bcbe1f77-40d7
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\bcbe1f77-40d7


DATE: 03-22-2022                          TIME: 10:55:05

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 14 - 5Y12H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
```

```
                                min     ha    '  cms   hrs     mm          cms
*
      START @  0.00 hrs
      --------------------
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  ** CALIB NASHYD         0304  1  2.0    0.24    0.01  6.33   8.57 0.13   0.000
     [CN=46.5         ]
     [ N = 3.0:Tp 0.16]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  ** CALIB STANDHYD        0303  1  2.0    1.76    0.17  6.27  34.33 0.53   0.000
     [I%=40.0:S%= 2.00]
*
     CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.17  6.27  34.33  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0302  1  5.0    1.92    0.16  6.25  28.16 0.44   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.16  6.23  25.95  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.32  6.27  29.71  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.24  6.33  29.69  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD         0305  1  5.0    3.28    0.05  6.67   9.97 0.16   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.28  6.33  20.71  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.27  6.40  20.71  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0306  1  2.0    5.51    0.33  6.30  24.52 0.38   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0301  1  2.0   79.45    4.57  6.47  32.28 0.50   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    4.80  6.47  31.78  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    5.06  6.43  30.91  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    5.06  6.47  30.91  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0307  1  2.0    2.23    0.19  6.23  29.77 0.46   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39    5.15  6.43  30.89  n/a   0.000
*
  ** Reservoir
     OUTFLOW:              0401  1  2.0   94.39    4.05  6.70  30.88  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD         0314  1  2.0    8.64    0.16  6.53   9.83 0.15   0.000
     [CN=47.8         ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB NASHYD         0309  1  2.0    1.39    0.05  6.37  13.41 0.21   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0308  1  5.0    2.28    0.19  6.25  28.16 0.44   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.21  6.23  22.55  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0316  1  5.0    2.95    0.58  6.25  52.32 0.81   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0315  1  5.0    2.53    0.55  6.25  57.80 0.90   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    1.13  6.25  54.85  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    1.33  6.23  41.83  n/a   0.000
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0317  1  5.0    1.19    0.22  6.25  48.58 0.76   0.000
     [I%=70.0:S%= 3.30]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0201  1  5.0    5.62    0.63  6.25  34.73 0.54   0.000
     [I%=40.0:S%= 2.00]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0203  1  5.0    1.61    0.31  6.25  52.82 0.82   0.000
     [I%=80.0:S%= 2.00]
*
     READ STORM                 15.0
     [ Ptot= 64.31 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
     remark: 5yr/12hr Barrie Wpcc +15% SCS
*
   * CALIB STANDHYD        0204  1  5.0    1.74    0.34  6.25  52.82 0.82   0.000
     [I%=80.0:S%= 2.00]
*
     ADD [  0201+  0203]  1514  3  5.0    7.23    0.95  6.25  38.76  n/a   0.000
*
     ADD [  1514+  0204]  1514  1  5.0    8.97    1.29  6.25  41.48  n/a   0.000
```

```
*
   ADD [  1514+  0314]  0905  3  2.0   17.61    1.35  6.23  25.92  n/a   0.000
*
   ADD [  0905+  0317]  0905  1  2.0   18.80    1.56  6.23  27.35  n/a   0.000
*
   ADD [  0905+  0401]  0905  3  2.0  113.19    4.46  6.70  30.29  n/a   0.000
*
   ADD [  0905+  0907]  0905  1  2.0  122.34    4.70  6.70  31.15  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             4011  1  2.0  122.34    1.04  8.07  31.15  n/a   0.000
*
   CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.04  8.10  31.15  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.15  6.75   7.68 0.12   0.000
   [CN=41.8        ]
   [ N = 3.0:Tp 0.57]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    0.97  6.37  27.50 0.43   0.000
   [I%=27.0:S%= 2.00]
*
   CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.91  6.47  27.50  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    0.93    0.20  6.25  57.59 0.90   0.000
   [I%=89.0:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0402  1  5.0    0.93    0.08  6.33  57.59  n/a   0.000
*
   ADD [  0312+  0402]  0908  3  5.0   15.62    0.21  6.75  10.65  n/a   0.000
*
   ADD [  0908+  0503]  0908  1  2.0   33.64    1.10  6.47  19.68  n/a   0.000
*
   PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.10  6.47  19.68  n/a   0.000
*
   CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.11  6.50  19.68  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.03  6.75   6.91 0.11   0.000
   [CN=39.2        ]
   [ N = 3.0:Tp 0.52]
*
   ADD [  0310+  0504]  0909  3  2.0   37.06    1.14  6.50  18.50  n/a   0.000
*
   ADD [  0909+  0505]  0909  1  2.0  159.40    1.96  6.50  28.21  n/a   0.000
*
   CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.96  6.53  28.21  n/a   0.000
*
   PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.95  6.60  28.21  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0209  1  5.0   10.10    1.92  6.25  52.82 0.82   0.000
   [I%=80.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0208  1  5.0    1.09    0.13  6.25  36.56 0.57   0.000
   [I%=49.0:S%= 2.00]
*
   ADD [  0208+  0209]  0911  3  5.0   11.19    2.05  6.25  51.24  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             0407  1  5.0   11.19    0.18  6.92  51.04  n/a   0.000
*
   ADD [ 23316+  0407]  0910  3  2.0  170.59    2.11  6.60  29.56  n/a   0.000
*
   CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.10  6.60  29.56  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.07  6.75   5.13 0.08   0.000
   [CN=32.7        ]
   [ N = 3.0:Tp 0.51]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0329  1  5.0    7.64    0.12  6.83  12.36 0.19   0.000
   [CN=53.6        ]
   [ N = 3.0:Tp 0.64]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0319  1  5.0    1.04    0.06  6.33  22.03 0.34   0.000
   [I%= 1.0:S%= 4.00]
*
   ADD [  0313+  0319]  0912  3  5.0   10.64    0.11  6.42   6.78  n/a   0.000
*
   ADD [  0912+  0329]  0912  1  5.0   18.28    0.21  6.75   9.12  n/a   0.000
*
   ADD [  0912+  0507]  0912  3  2.0  188.87    2.31  6.60  27.58  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.08  6.57  13.34 0.21   0.000
   [CN=56.0        ]
   [ N = 3.0:Tp 0.41]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.15  6.23  55.99 0.87   0.000
   [I%=87.8:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0403  1  2.0    0.69    0.11  6.30  55.28  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    0.94  6.27  47.55 0.74   0.000
   [I%=70.5:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.29    1.18  6.27  41.77 0.65   0.000
   [I%=58.9:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 64.31 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
   remark: 5yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    1.44  6.27  42.74 0.66   0.000
```

```
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.05  6.33  42.72  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.12  6.25  57.67 0.90   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.23  6.27  34.32  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.17  6.27  38.81  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.26  6.27  39.32  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.37  6.27  39.87  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    3.34  6.27  40.84  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.19  8.53  39.81  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.02  6.58   9.40 0.15   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.03  6.40  14.98 0.23   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.07  6.23  32.88 0.51   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.28  6.23  34.73 0.54   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.30  6.23  29.80  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.37  6.23  30.31  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.02  8.50  26.14  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.02  8.50  26.14  n/a   0.000
       Outflow           0002  2  2.0    2.53    0.00  8.50  26.14  n/a   0.000
       Outflow           0002  3  2.0    1.41    0.01  8.50  26.14  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.48    0.02  6.80  18.91  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.07  6.25  50.66 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10  6.25  51.56 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.17  6.25  51.18  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.23  6.23  40.12  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.13    0.24  6.23  38.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.52  6.23  52.82 0.82   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.25  6.33  52.74  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   36.88    0.45  6.27  39.64  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   36.88    0.37  6.67  39.63  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 64.31 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\513a047e-89b6-487d-90c5-aff
    remark: 5yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.12  6.50  11.20 0.17   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.39    0.48  6.57  35.93  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.53    0.00 56.07  16.97  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\5e2985be-c006
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\5e2985be-c006


DATE: 03-22-2022                          TIME: 10:55:02

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 15 - 10Y12H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

       START @  0.00 hrs
```

```
  ---------------------
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
** CALIB NASHYD        0304  1  2.0    0.24    0.01  6.33  12.23 0.16   0.000
[CN=46.5         ]
[ N = 3.0:Tp 0.16]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
** CALIB STANDHYD       0303  1  2.0    1.76    0.21  6.27  42.40 0.56   0.000
[I%=40.0:S%= 2.00]
*
CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.21  6.27  42.40  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0302  1  5.0    1.92    0.20  6.25  35.71 0.47   0.000
[I%=21.0:S%= 2.00]
*
ADD [  0302+  0304]  0901  3  2.0    2.16    0.21  6.23  33.07  n/a   0.000
*
ADD [  0901+  0501]  0901  1  2.0    3.92    0.41  6.27  37.26  n/a   0.000
*
CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.32  6.33  37.23  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB NASHYD        0305  1  5.0    3.28    0.07  6.67  14.07 0.19   0.000
[CN=49.8         ]
[ N = 3.0:Tp 0.48]
*
ADD [  0305+  0502]  0902  3  2.0    7.20    0.37  6.37  26.68  n/a   0.000
*
PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.36  6.40  26.68  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0306  1  2.0    5.51    0.43  6.27  31.14 0.41   0.000
[I%=22.0:S%= 2.00]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0301  1  2.0   79.45    5.97  6.43  40.36 0.53   0.000
[I%=31.0:S%= 2.00]
*
ADD [  0301+  0306]  0903  3  2.0   84.96    6.28  6.43  39.76  n/a   0.000
*
ADD [  0903+  0601]  0903  1  2.0   92.16    6.64  6.43  38.74  n/a   0.000
*
PIPE   [ 2:  0903]   0602  1  2.0   92.16    6.65  6.43  38.74  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0307  1  2.0    2.23    0.24  6.23  36.98 0.49   0.000
[I%=33.0:S%= 2.00]
*
ADD [  0307+  0602]  0904  3  2.0   94.39    6.77  6.43  38.70  n/a   0.000
*
** Reservoir
OUTFLOW:                   0401  1  2.0   94.39    5.83  6.60  38.69  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB NASHYD        0314  1  2.0    8.64    0.22  6.53  13.77 0.18   0.000
[CN=47.8         ]
[ N = 3.0:Tp 0.36]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB NASHYD        0309  1  2.0    1.39    0.07  6.37  18.54 0.24   0.000
[CN=57.4         ]
[ N = 3.0:Tp 0.23]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0308  1  5.0    2.28    0.24  6.25  35.71 0.47   0.000
[I%=21.0:S%= 2.00]
*
ADD [  0308+  0309]  0906  3  2.0    3.67    0.28  6.27  29.19  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0316  1  5.0    2.95    0.69  6.25  62.86 0.83   0.000
[I%=74.0:S%= 2.00]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0315  1  5.0    2.53    0.65  6.25  68.80 0.91   0.000
[I%=90.0:S%= 2.00]
*
ADD [  0315+  0316]  0907  3  5.0    5.48    1.34  6.25  65.60  n/a   0.000
*
ADD [  0907+  0906]  0907  1  2.0    9.15    1.62  6.23  50.91  n/a   0.000
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0317  1  5.0    1.19    0.26  6.25  58.44 0.77   0.000
[I%=70.0:S%= 3.30]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0201  1  5.0    5.62    0.78  6.25  42.73 0.56   0.000
[I%=40.0:S%= 2.00]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0203  1  5.0    1.61    0.38  6.25  63.00 0.83   0.000
[I%=80.0:S%= 2.00]
*
READ STORM                 15.0
[ Ptot= 76.00 mm ]
fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
remark: 10yr/12hr Barrie Wpcc +15% SCS
*
* CALIB STANDHYD       0204  1  5.0    1.74    0.41  6.25  63.00 0.83   0.000
[I%=80.0:S%= 2.00]
*
ADD [  0201+  0203]  1514  3  5.0    7.23    1.16  6.25  47.24  n/a   0.000
*
ADD [  1514+  0204]  1514  1  5.0    8.97    1.56  6.25  50.30  n/a   0.000
*
ADD [  1514+  0314]  0905  3  2.0   17.61    1.65  6.23  32.33  n/a   0.000
*
```

```
   ADD [  0905+  0317]  0905  1  2.0   18.80    1.91  6.23  33.98  n/a   0.000
*
   ADD [  0905+  0401]  0905  3  2.0  113.19    6.39  6.60  37.90  n/a   0.000
*
   ADD [  0905+  0907]  0905  1  2.0  122.34    6.72  6.60  38.88  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             4011  1  2.0  122.34    1.13  8.27  38.88  n/a   0.000
*
   CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.13  8.30  38.88  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.21  6.75  10.90 0.14   0.000
   [CN=41.8         ]
   [ N = 3.0:Tp 0.57]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    1.29  6.37  34.59 0.46   0.000
   [I%=27.0:S%= 2.00]
*
   CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.20  6.43  34.59  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    0.93    0.24  6.25  68.61 0.90   0.000
   [I%=89.0:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0402  1  5.0    0.93    0.09  6.33  68.61  n/a   0.000
*
   ADD [  0312+  0402]  0908  3  5.0   15.62    0.28  6.75  14.34  n/a   0.000
*
   ADD [  0908+  0503]  0908  1  2.0   33.64    1.45  6.47  25.19  n/a   0.000
*
   PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.45  6.47  25.19  n/a   0.000
*
   CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.44  6.50  25.19  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.05  6.75   9.85 0.13   0.000
   [CN=39.2         ]
   [ N = 3.0:Tp 0.52]
*
   ADD [  0310+  0504]  0909  3  2.0   37.06    1.48  6.50  23.77  n/a   0.000
*
   ADD [  0909+  0505]  0909  1  2.0  159.40    2.39  6.53  35.36  n/a   0.000
*
   CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.39  6.57  35.36  n/a   0.000
*
   PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.38  6.57  35.36  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0209  1  5.0   10.10    2.30  6.25  63.01 0.83   0.000
   [I%=80.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0208  1  5.0    1.09    0.16  6.25  44.41 0.58   0.000
   [I%=49.0:S%= 2.00]
*
   ADD [  0208+  0209]  0911  3  5.0   11.19    2.46  6.25  61.19  n/a   0.000
*
 ** Reservoir
   OUTFLOW:             0407  1  5.0   11.19    0.27  6.83  60.99  n/a   0.000
*
   ADD [ 23316+  0407]  0910  3  2.0  170.59    2.64  6.60  36.89  n/a   0.000
*
   CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.64  6.60  36.89  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.10  6.75   7.42 0.10   0.000
   [CN=32.7         ]
   [ N = 3.0:Tp 0.51]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0329  1  5.0    7.64    0.16  6.83  17.06 0.22   0.000
   [CN=53.6         ]
   [ N = 3.0:Tp 0.64]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0319  1  5.0    1.04    0.10  6.25  29.21 0.38   0.000
   [I%= 1.0:S%= 4.00]
*
   ADD [  0313+  0319]  0912  3  5.0   10.64    0.16  6.33   9.55  n/a   0.000
*
   ADD [  0912+  0329]  0912  1  5.0   18.28    0.29  6.75  12.69  n/a   0.000
*
   ADD [  0912+  0507]  0912  3  2.0  188.87    2.93  6.60  34.55  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.10  6.57  18.35 0.24   0.000
   [CN=56.0         ]
   [ N = 3.0:Tp 0.41]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.17  6.23  66.77 0.88   0.000
   [I%=87.8:S%= 2.00]
*
 ** Reservoir
   OUTFLOW:             0403  1  2.0    0.69    0.13  6.30  66.07  n/a   0.000
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.15  6.27  57.16 0.75   0.000
   [I%=70.5:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.29    1.46  6.27  50.60 0.67   0.000
   [I%=58.9:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot= 76.00 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
   remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    1.77  6.27  51.82 0.68   0.000
   [I%=59.3:S%= 2.00]
*
   CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.32  6.33  51.80  n/a   0.000
```

```
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0325  1  5.0    0.54    0.14  6.25  68.79 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.52  6.27  42.15  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.66  6.27  47.24  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.78  6.27  47.83  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.91  6.27  48.45  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    4.13  6.27  49.59  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.22  8.57  48.39  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0207  1  5.0    1.07    0.02  6.58  13.15 0.17   0.000
    [CN=45.9       ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0205  1  2.0    0.82    0.04  6.40  20.40 0.27   0.000
    [CN=58.6       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0206  1  2.0    0.65    0.08  6.23  40.20 0.53   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0202  1  2.0    2.47    0.35  6.23  42.73 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.38  6.23  37.16  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.46  6.23  37.66  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.03  7.53  33.30  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.03  7.53  33.30  n/a   0.000
       Outflow           0002  2  2.0    2.03    0.00  7.53  33.30  n/a   0.000
       Outflow           0002  3  2.0    1.91    0.03  7.53  33.30  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.98    0.04  6.87  26.06  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0328  1  5.0    0.38    0.09  6.25  60.63 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.11  6.25  61.80 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.20  6.25  61.30  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.28  6.23  48.74  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.63    0.29  6.23  46.79  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0210  1  2.0    2.75    0.63  6.23  63.00 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.28  6.33  62.92  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.38    0.55  6.23  47.98  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.38    0.47  6.70  47.97  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 76.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\56ae5f7b-8c7b-46aa-82f2-c48
    remark: 10yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0326  1  5.0    5.51    0.16  6.50  15.64 0.21   0.000
    [CN=52.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.89    0.62  6.60  43.81  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.03    0.00 57.00  21.69  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****

  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vo2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\c3f12c37-af4c
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\c3f12c37-af4c

DATE: 03-22-2022                          TIME: 10:55:06

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 16 - 25Y12H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot= 90.69 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01  6.30  17.54 0.19   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.28  6.27  53.02 0.58   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.28  6.27  53.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.27  6.25  45.83 0.51   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.27  6.23  42.64  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.54  6.27  47.30  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.43  6.33  47.27  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.10  6.67  19.95 0.22   0.000
    [CN=49.8        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.50  6.33  34.83  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.49  6.40  34.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.57  6.27  40.07 0.44   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    8.19  6.43  51.05 0.56   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    8.60  6.43  50.33  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    9.09  6.43  49.12  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    9.05  6.43  49.12  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.32  6.23  46.55 0.51   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    9.22  6.40  49.06  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    8.38  6.53  49.05  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.32  6.53  19.42 0.21   0.000
    [CN=47.8        ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.09  6.37  25.79 0.28   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.32  6.25  45.83 0.51   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.38  6.27  38.21  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.84  6.25  76.30 0.84   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.78  6.25  82.70 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.63  6.25  79.25  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.99  6.23  62.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.32  6.25  71.07 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.98  6.25  53.24 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.45  6.25  75.95 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.49  6.25  75.95 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.43  6.25  58.30  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.92  6.25  61.72  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.06  6.23  40.92  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.37  6.23  42.82  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    9.17  6.53  48.02  n/a   0.000
```

```
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    9.61  6.53  49.11  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.21  8.50  49.11  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.21  8.53  49.11  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.31  6.75  15.59 0.17   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    1.72  6.37  44.08 0.49   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.60  6.43  44.08  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    0.93    0.29  6.25  82.54 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.13  6.33  82.54  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.39  6.75  19.58  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.94  6.47  32.70  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.94  6.47  32.70  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.93  6.47  32.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.07  6.67  14.16 0.16   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.99  6.47  30.99  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.99  6.50  44.90  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.98  6.50  44.90  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.99  6.53  44.90  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0209  1  5.0   10.10    2.78  6.25  75.95 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0208  1  5.0    1.09    0.20  6.25  54.64 0.60   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.98  6.25  73.87  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.41  6.75  73.67  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.39  6.53  46.63  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.38  6.53  46.63  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.15  6.67  10.82 0.12   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0329  1  5.0    7.64    0.23  6.83  23.73 0.26   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0319  1  5.0    1.04    0.14  6.25  38.97 0.43   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.22  6.33  13.57  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.41  6.75  17.82  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.77  6.57  43.84  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.15  6.57  25.42 0.28   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.21  6.23  80.41 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.17  6.27  79.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.42  6.27  69.47 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.29    1.82  6.27  62.01 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    2.19  6.27  63.55 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.66  6.33  63.53  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.16  6.25  82.84 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.90  6.27  52.42  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.32  6.27  58.20  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    3.46  6.27  58.88  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    3.63  6.27  59.59  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    5.20  6.27  60.93  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.26  8.63  59.49  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.03  6.58  18.54 0.20   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.06  6.40  28.00 0.31   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.11  6.23  49.83 0.55   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.45  6.23  53.24 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.48  6.23  46.95  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.60  6.23  47.43  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.06  7.10  42.95  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.06  7.10  42.95  n/a   0.000
       Outflow           0002  2  2.0    1.60    0.00  7.10  42.95  n/a   0.000
       Outflow           0002  3  2.0    2.34    0.06  7.10  42.95  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.41    0.08  6.83  35.30  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.10  6.25  73.33 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.14  6.25  74.87 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.24  6.25  74.21  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.35  6.23  59.89  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.07    0.38  6.23  57.50  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.76  6.23  75.95 0.84   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.33  6.33  75.87  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.82    0.68  6.27  58.83  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.82    0.59  6.77  58.82  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 90.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\9d57084f-c09e-4a4f-bca0-0cd
    remark: 25yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.23  6.50  21.98 0.24   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.33    0.80  6.60  54.13  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.60    0.00 57.57  28.03  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\97aa6035-c04f
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\97aa6035-c04f


DATE: 03-22-2022                          TIME: 10:55:04

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : Run 17 - 50Y12H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
```

```
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  6.30  21.98 0.22   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.33  6.27  61.27 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.32  6.27  61.27  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.35  6.25  53.78 0.53   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.35  6.23  50.21  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.67  6.27  55.17  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.54  6.33  55.15  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.13  6.67  24.85 0.24   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.63  6.33  41.34  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.62  6.37  41.34  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.68  6.27  47.15 0.46   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    9.60  6.40  59.38 0.58   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   10.14  6.40  58.59  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   10.74  6.40  57.24  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   10.68  6.40  57.24  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.38  6.23  54.05 0.53   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   10.88  6.40  57.17  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39   10.11  6.50  57.16  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.39  6.50  24.12 0.24   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.12  6.37  31.72 0.31   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.42  6.25  53.78 0.53   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.49  6.23  45.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.96  6.25  86.48 0.85   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.88  6.25  93.16 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.84  6.25  89.56  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.31  6.23  71.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.36  6.25  80.67 0.79   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    1.13  6.25  61.41 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.51  6.25  85.73 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.55  6.25  85.73 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.64  6.25  66.83  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.19  6.25  70.49  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.37  6.23  47.68  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.73  6.23  49.76  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   11.07  6.50  55.93  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   11.59  6.50  57.11  n/a   0.000
*
```

```
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.27  8.63  57.11  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.27  8.67  57.11  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0312  1  5.0   14.69    0.39  6.75  19.54 0.19   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0311  1  2.0   18.02    2.04  6.37  51.54 0.51   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.90  6.43  51.54  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0318  1  5.0    0.93    0.32  6.25  93.03 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16  6.33  93.03  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.47  6.75  23.91  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.32  6.47  38.72  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.32  6.47  38.71  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.32  6.47  38.71  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0310  1  5.0    3.42    0.09  6.67  17.80 0.18   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.40  6.47  36.79  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.44  6.50  52.38  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.44  6.50  52.38  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.44  6.53  52.38  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0209  1  5.0   10.10    3.15  6.25  85.73 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0208  1  5.0    1.09    0.23  6.25  62.54 0.61   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.38  6.25  83.47  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.52  6.67  83.27  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.96  6.53  54.25  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.95  6.53  54.25  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0313  1  5.0    9.60    0.19  6.67  13.71 0.13   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0329  1  5.0    7.64    0.29  6.83  29.21 0.29   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0319  1  5.0    1.04    0.17  6.25  46.74 0.46   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.28  6.33  16.94  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.51  6.75  22.07  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    4.43  6.57  51.13  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0322  1  2.0    3.30    0.18  6.57  31.22 0.31   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0323  1  2.0    0.69    0.23  6.23  90.69 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.20  6.27  89.98  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0324  1  2.0    6.46    1.64  6.27  78.82 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0320  1  2.0    9.29    2.11  6.27  70.76 0.70   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0321  1  2.0   10.49    2.51  6.27  72.54 0.71   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.94  6.30  72.52  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.18  6.25  93.40 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.21  6.27  60.40  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.85  6.27  66.64  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.01  6.27  67.38  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.20  6.27  68.15  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.04  6.27  69.64  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.28  8.73  67.99  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.04  6.58  23.03 0.23   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.07  6.40  34.18 0.34   0.000
    [CN=58.6         ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.13  6.23  57.30 0.56   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.52  6.23  61.41 0.60   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.56  6.23  54.62  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.69  6.23  55.07  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.09  6.97  50.53  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.09  6.97  50.53  n/a   0.000
       Outflow           0002  2  2.0    1.37    0.00  6.97  50.53  n/a   0.000
       Outflow           0002  3  2.0    2.57    0.08  6.97  50.53  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.64    0.12  6.80  42.45  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.12  6.25  82.97 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.16  6.25  84.77 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.27  6.25  83.99  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.42  6.23  68.43  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.30    0.46  6.23  65.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.86  6.23  85.73 0.84   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.35  6.33  85.65  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.05    0.79  6.27  67.19  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.05    0.68  6.77  67.17  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=101.69 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1ec60d70-7a04-4655-b94c-66e
    remark: 50yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.29  6.50  27.21 0.27   0.000
    [CN=52.2         ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.56    0.94  6.60  62.12  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.37    0.00 57.90  33.02  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M  M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\1139e16e-f38d
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\1139e16e-f38d


DATE: 03-22-2022                          TIME: 10:55:01

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 18 - 100Y12H.STM          **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA   ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha    '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02  6.30  26.71 0.24   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
```

```
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.37  6.27  69.59 0.62   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.37  6.27  69.59  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.41  6.25  61.87 0.55   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.41  6.23  57.92  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.77  6.27  63.16  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.63  6.33  63.13  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.15  6.67  30.02 0.27   0.000
    [CN=49.8        ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.73  6.33  48.05  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.72  6.37  48.05  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.83  6.27  54.39 0.48   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45   11.48  6.40  67.81 0.60   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   12.12  6.40  66.94  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   12.83  6.40  65.47  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   12.76  6.40  65.47  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.43  6.23  61.65 0.55   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   13.01  6.37  65.38  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39   12.44  6.47  65.37  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.48  6.50  29.10 0.26   0.000
    [CN=47.8        ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.14  6.37  37.92 0.34   0.000
    [CN=57.4        ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.48  6.25  61.87 0.55   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.57  6.23  52.77  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    1.07  6.25  96.56 0.86   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.98  6.25 103.47 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    2.05  6.25  99.75  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.61  6.23  80.78  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.40  6.25  90.23 0.80   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    1.29  6.25  69.66 0.62   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.57  6.25  95.42 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.61  6.25  95.42 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.86  6.25  75.39  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.47  6.25  79.28  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.69  6.23  54.59  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    3.09  6.23  56.83  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   13.64  6.47  63.95  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   14.27  6.47  65.21  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.32  8.73  65.21  n/a   0.000
*
```

```
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.32  8.77  65.21  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.48  6.75  23.75 0.21   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.43  6.37  59.15 0.53   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.27  6.43  59.15  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.36  6.25 103.38 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19  6.33 103.38  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.56  6.75  28.49  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.78  6.43  44.91  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.78  6.43  44.91  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.78  6.47  44.91  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.11  6.67  21.70 0.19   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.87  6.47  42.77  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.96  6.47  59.99  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.97  6.50  59.99  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.96  6.47  59.99  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.51  6.25  95.42 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.26  6.25  70.48 0.63   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.77  6.25  92.99  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.64  6.50  92.79  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    4.60  6.47  61.98  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    4.59  6.50  61.98  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.23  6.67  16.84 0.15   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.34  6.83  34.96 0.31   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.20  6.25  54.69 0.49   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.34  6.33  20.54  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.62  6.75  26.56  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    5.16  6.50  58.55  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.22  6.57  37.28 0.33   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.26  6.23 100.83 0.90   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.22  6.27 100.13  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.84  6.27  88.13 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.38  6.27  79.51 0.71   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.83  6.27  81.52 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.23  6.30  81.51  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.21  6.25 103.84 0.92   0.000
    [I%=90.0:S%= 2.00]
*
```

```
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.51  6.27  68.44  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    4.35  6.27  75.12  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.52  6.27  75.90  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.75  6.27  76.73  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.85  6.27  78.36  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.41  8.37  76.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.05  6.58  27.79 0.25   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.08  6.40  40.62 0.36   0.000
    [CN=58.6         ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.15  6.23  64.85 0.58   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.59  6.23  69.65 0.62   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.64  6.23  62.42  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.79  6.23  62.82  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.12  6.90  58.23  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.12  6.90  58.23  n/a   0.000
       Outflow           0002  2  2.0    1.20    0.00  6.90  58.23  n/a   0.000
       Outflow           0002  3  2.0    2.74    0.11  6.90  58.23  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.81    0.16  6.77  49.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.13  6.25  92.54 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.18  6.25  94.60 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.31  6.25  93.71  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.48  6.23  77.05  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.47    0.54  6.23  74.11  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.95  6.23  95.42 0.85   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.38  6.33  95.34  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.22    0.88  6.27  75.64  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.22    0.77  6.77  75.62  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=112.51 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\1e490876-0576-435c-9981-26d
    remark: 100yr/12hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.35  6.50  32.73 0.29   0.000
    [CN=52.2         ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.73    1.08  6.60  70.21  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.20    0.00 58.13  38.11  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e61ea4fb-9d1a
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\e61ea4fb-9d1a


DATE: 03-22-2022                          TIME: 10:55:07

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 19 - 2Y24H.STM            **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      ---------------------
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00 12.33   6.06 0.11   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.11 12.27  28.18 0.51   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.11 12.30  28.18  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.10 12.25  22.52 0.41   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.10 12.23  20.67  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.20 12.23  24.04  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.15 12.37  24.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.03 12.67   7.14 0.13   0.000
    [CN=49.8          ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.17 12.40  16.33  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.17 12.43  16.33  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.21 12.30  19.61 0.36   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    2.83 12.50  26.18 0.48   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    2.96 12.50  25.75  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    3.12 12.50  25.02  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    3.13 12.50  25.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.13 12.27  24.32 0.44   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    3.18 12.50  25.00  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    1.96 12.97  24.96  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.09 12.53   7.10 0.13   0.000
    [CN=47.8          ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.03 12.37   9.78 0.18   0.000
    [CN=57.4          ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.11 12.25  22.52 0.41   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.13 12.23  17.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.41 12.25  44.05 0.80   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.39 12.25  49.09 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.80 12.25  46.38  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.92 12.23  34.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.15 12.25  40.86 0.74   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.42 12.25  28.63 0.52   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.22 12.25  44.79 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.24 12.25  44.79 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.64 12.25  32.23  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    0.88 12.25  34.67  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    0.92 12.23  21.12  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.07 12.23  22.36  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    2.12 12.97  24.53  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    2.21 12.97  25.30  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.87 13.73  25.29  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.87 13.77  25.29  n/a   0.000
*
    READ STORM                15.0
```

```
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.09 12.75   5.47 0.10   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.61 12.40  22.20 0.40   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.58 12.50  22.20  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.14 12.25  48.87 0.89   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.06 12.33  48.87  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.14 12.67   8.05  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.71 12.50  15.63  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.71 12.50  15.63  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.71 12.53  15.63  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.02 12.67   4.90 0.09   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.72 12.53  14.64  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    1.45 12.53  22.82  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    1.45 12.57  22.82  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    1.45 12.57  22.82  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.34 12.25  44.79 0.81   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.09 12.25  30.51 0.55   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    1.43 12.25  43.40  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.08 13.33  43.20  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    1.50 12.60  23.93  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    1.50 12.60  23.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.04 12.67   3.59 0.07   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.07 12.83   9.05 0.16   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.04 12.33  16.79 0.31   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.07 12.42   4.88  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.13 12.67   6.62  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    1.63 12.63  22.26  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.05 12.57   9.80 0.18   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 12.23  47.46 0.86   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.06 12.30  46.75  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.63 12.30  40.02 0.73   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    0.80 12.27  34.92 0.63   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.97 12.27  35.70 0.65   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.69 12.37  35.68  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 12.25  48.89 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    0.83 12.27  28.34  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    1.45 12.27  32.30  n/a   0.000
```

```
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    1.52 12.27  32.75  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    1.58 12.27  33.23  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    2.20 12.30  34.07  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.13 14.83  32.67  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.01 12.58   6.80 0.12   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.02 12.40  11.12 0.20   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.05 12.23  27.27 0.50   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.18 12.23  28.63 0.52   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.20 12.23  24.26  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.24 12.23  24.76  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.01 16.77  19.24  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.01 16.77  19.24  n/a   0.000
       Outflow           0002  2  2.0    3.22    0.00 16.77  19.24  n/a   0.000
       Outflow           0002  3  2.0    0.72    0.00 16.77  19.24  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    1.79    0.01 12.57  11.79  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.05 12.25  42.83 0.78   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 12.25  43.52 0.79   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.11 12.25  43.22  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.17 12.23  32.96  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   33.44    0.18 12.23  31.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.37 12.23  44.79 0.81   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.16 12.37  44.71  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   36.19    0.31 12.23  32.81  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   36.19    0.25 12.60  32.79  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 55.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7404daf5-3693-425a-920f-32d
    remark: 2yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.07 12.50   8.10 0.15   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   41.70    0.31 12.53  29.53  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    3.22    0.00 63.40  11.62  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7e0815e9-f6ee
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\7e0815e9-f6ee


DATE: 03-22-2022                          TIME: 10:55:03

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 20 - 5Y24H.STM            **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

       START @  0.00 hrs
       --------------------
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01 12.30  12.23 0.16   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
```

```
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.17 12.27  42.41 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.17 12.27  42.41  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.17 12.25  35.72 0.47   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.17 12.23  33.08  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.34 12.27  37.27  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.26 12.33  37.24  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.06 12.67  14.07 0.19   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.30 12.37  26.68  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.30 12.40  26.68  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.35 12.30  31.14 0.41   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0301  1  2.0   79.45    4.78 12.47  40.36 0.53   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    5.02 12.47  39.76  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    5.31 12.47  38.74  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    5.31 12.47  38.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.20 12.23  36.98 0.49   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    5.40 12.43  38.70  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    4.59 12.63  38.65  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.18 12.50  13.77 0.18   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.06 12.37  18.54 0.24   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.20 12.25  35.72 0.47   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.23 12.23  29.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.58 12.25  62.87 0.83   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.54 12.25  68.81 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.12 12.25  65.61  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.35 12.23  50.94  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0317  1  5.0    1.19    0.22 12.25  58.45 0.77   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0201  1  5.0    5.62    0.65 12.25  42.73 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0203  1  5.0    1.61    0.31 12.25  63.01 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
  * CALIB STANDHYD       0204  1  5.0    1.74    0.34 12.25  63.01 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.96 12.25  47.25  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.30 12.25  50.31  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.38 12.23  32.35  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.60 12.23  33.99  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    5.04 12.63  37.87  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    5.30 12.63  38.85  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.07 13.87  38.85  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.07 13.90  38.85  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.18 12.75  10.90 0.14   0.000
    [CN=41.8        ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.04 12.40  34.60 0.46   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.97 12.47  34.60  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.20 12.25  68.62 0.90   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.08 12.33  68.61  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.24 12.67  14.34  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.19 12.50  25.19  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.04 12.67   9.86 0.13   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.23 12.50  23.78  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.08 12.57  35.34  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.08 12.57  35.34  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.09 12.60  35.34  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.91 12.25  63.01 0.83   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.14 12.25  44.41 0.58   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.04 12.25  61.20  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.21 12.83  61.00  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.29 12.60  36.79  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.28 12.60  36.79  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.08 12.67   7.43 0.10   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.14 12.83  17.06 0.22   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.07 12.33  29.21 0.38   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.14 12.42   9.55  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.24 12.67  12.69  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    2.52 12.60  34.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.09 12.57  18.35 0.24   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.14 12.23  66.77 0.88   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.11 12.30  66.07  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.94 12.27  57.17 0.75   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.19 12.27  50.61 0.67   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.45 12.27  51.82 0.68   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.06 12.33  51.81  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.11 12.25  68.80 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.24 12.27  42.15  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.19 12.27  47.24  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.28 12.27  47.84  n/a   0.000
*
```

```
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.39 12.27  48.46  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    3.37 12.27  49.60  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.20 14.67  47.82  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.02 12.58  13.15 0.17   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.03 12.40  20.40 0.27   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.07 12.23  40.21 0.53   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.29 12.23  42.73 0.56   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.31 12.23  37.17  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.38 12.23  37.67  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.02 14.43  31.61  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.02 14.43  31.61  n/a   0.000
       Outflow           0002  2  2.0    2.12    0.00 14.43  31.61  n/a   0.000
       Outflow           0002  3  2.0    1.82    0.02 14.43  31.61  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    2.89    0.03 12.73  24.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.07 12.25  60.64 0.80   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.10 12.25  61.81 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.17 12.25  61.30  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.24 12.23  48.19  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.55    0.25 12.23  46.23  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.52 12.23  63.01 0.83   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.25 12.33  62.93  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.30    0.47 12.27  47.46  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.30    0.39 12.67  47.44  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 76.01 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\0bb149c4-e026-4e54-8c42-c66
    remark: 5yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.14 12.50  15.64 0.21   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   42.81    0.52 12.57  43.35  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    2.12    0.00 66.03  19.30  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\0ddd985e-e3cc
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\0ddd985e-e3cc


DATE: 03-22-2022                          TIME: 10:55:00

USER:


COMMENTS: ____________________________________________________________


  ********************************************
  ** SIMULATION : Run 21 - 10Y24H.STM          **
  ********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms


      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.01 12.30  17.25 0.19   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.22 12.27  52.46 0.58   0.000
    [I%=40.0:S%= 2.00]
*
```

```
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.22 12.27  52.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.22 12.25  45.29 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.22 12.23  42.14  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.43 12.27  46.78  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.34 12.33  46.75  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.08 12.67  19.63 0.22   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.40 12.37  34.40  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.39 12.40  34.39  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.45 12.27  39.60 0.44   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.45    6.43 12.47  50.48 0.56   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    6.74 12.43  49.78  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    7.13 12.43  48.58  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    7.13 12.47  48.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.25 12.23  46.05 0.51   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    7.24 12.47  48.52  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    6.60 12.57  48.46  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0314  1  2.0    8.64    0.26 12.50  19.11 0.21   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.08 12.37  25.40 0.28   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.26 12.25  45.30 0.50   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.31 12.27  37.73  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    2.95    0.70 12.25  75.60 0.84   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.53    0.65 12.25  81.99 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.34 12.25  78.55  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.64 12.23  62.10  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.26 12.25  70.41 0.78   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.80 12.25  52.69 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.37 12.25  75.28 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.40 12.25  75.28 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.18 12.25  57.72  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.58 12.25  61.13  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.70 12.23  40.48  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.96 12.23  42.36  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    7.21 12.57  47.45  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    7.56 12.57  48.55  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.15 14.60  48.54  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.15 14.63  48.54  n/a   0.000
*
    READ STORM                15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.25 12.75  15.34 0.17   0.000
    [CN=41.8         ]
```

```
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.35 12.37  43.58 0.48   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.26 12.43  43.58  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.24 12.25  81.83 0.91   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.09 12.33  81.83  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.32 12.75  19.30  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    1.55 12.47  32.30  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    1.55 12.47  32.30  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    1.55 12.50  32.30  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.06 12.67  13.93 0.15   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    1.60 12.50  30.61  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    2.55 12.53  44.37  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    2.55 12.53  44.37  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    2.54 12.57  44.37  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.29 12.25  75.28 0.84   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.17 12.25  54.10 0.60   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.46 12.25  73.22  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.32 12.75  73.02  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    2.85 12.57  46.01  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    2.85 12.60  46.01  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.12 12.67  10.63 0.12   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.19 12.83  23.37 0.26   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.11 12.25  38.46 0.43   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.18 12.33  13.35  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.34 12.75  17.54  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    3.18 12.60  43.25  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.12 12.57  25.04 0.28   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.17 12.23  79.71 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.13 12.27  79.01  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.15 12.27  68.83 0.77   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.47 12.27  61.42 0.68   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.79 12.27  62.94 0.70   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.34 12.33  62.93  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.14 12.25  82.11 0.91   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.54 12.27  51.89  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.69 12.27  57.63  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.80 12.27  58.30  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.94 12.27  59.01  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    4.18 12.27  60.34  n/a   0.000
```

```
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.23 14.70  58.26  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.03 12.58  18.25 0.20   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.05 12.40  27.59 0.31   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.09 12.23  49.32 0.55   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.36 12.23  52.69 0.59   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.39 12.23  46.44  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.48 12.23  46.91  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.04 13.27  40.63  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.04 13.27  40.63  n/a   0.000
       Outflow           0002  2  2.0    1.68    0.00 13.27  40.63  n/a   0.000
       Outflow           0002  3  2.0    2.26    0.04 13.27  40.63  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.33    0.06 12.83  33.43  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.09 12.25  72.68 0.81   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.11 12.25  74.19 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.20 12.25  73.54  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.30 12.23  58.68  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   34.98    0.31 12.23  56.28  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.62 12.23  75.28 0.84   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.28 12.33  75.20  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   37.73    0.58 12.27  57.66  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   37.73    0.50 12.70  57.64  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot= 89.94 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\a86ea60f-e42d-45e4-9889-f7a
    remark: 10yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.19 12.50  21.63 0.24   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.24    0.67 12.60  53.05  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.68    0.00 66.63  24.97  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\d4a3984b-54c0
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\d4a3984b-54c0


DATE: 03-22-2022                          TIME: 10:55:06

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 22 - 25Y24H.STM           **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  24.47 0.23   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.29 12.27  65.70 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.29 12.27  65.69  n/a   0.000
*
    READ STORM                 15.0
```

```
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.29 12.25  58.07 0.54   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0302+  0304]  0901  3  2.0    2.16    0.29 12.23  54.30  n/a   0.000
*
     ADD [  0901+  0501]  0901  1  2.0    3.92    0.57 12.27  59.41  n/a   0.000
*
     CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.46 12.33  59.39  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.12 12.58  27.57 0.26   0.000
     [CN=49.8         ]
     [ N = 3.0:Tp 0.48]
*
     ADD [  0305+  0502]  0902  3  2.0    7.20    0.54 12.33  44.89  n/a   0.000
*
     PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.54 12.40  44.89  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.61 12.27  50.99 0.47   0.000
     [I%=22.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.45    8.60 12.43  63.86 0.59   0.000
     [I%=31.0:S%= 2.00]
*
     ADD [  0301+  0306]  0903  3  2.0   84.96    9.05 12.43  63.03  n/a   0.000
*
     ADD [  0903+  0601]  0903  1  2.0   92.16    9.58 12.43  61.61  n/a   0.000
*
     PIPE   [ 2:  0903]   0602  1  2.0   92.16    9.55 12.40  61.61  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.34 12.23  58.08 0.54   0.000
     [I%=33.0:S%= 2.00]
*
     ADD [  0307+  0602]  0904  3  2.0   94.39    9.73 12.40  61.53  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             0401  1  2.0   94.39    9.02 12.53  61.47  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0314  1  2.0    8.64    0.37 12.50  26.74 0.25   0.000
     [CN=47.8         ]
     [ N = 3.0:Tp 0.36]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.11 12.37  34.99 0.33   0.000
     [CN=57.4         ]
     [ N = 3.0:Tp 0.23]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.34 12.25  58.07 0.54   0.000
     [I%=21.0:S%= 2.00]
*
     ADD [  0308+  0309]  0906  3  2.0    3.67    0.41 12.27  49.30  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    2.95    0.85 12.25  91.86 0.85   0.000
     [I%=74.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.53    0.78 12.25  98.67 0.92   0.000
     [I%=90.0:S%= 2.00]
*
     ADD [  0315+  0316]  0907  3  5.0    5.48    1.63 12.25  95.00  n/a   0.000
*
     ADD [  0907+  0906]  0907  1  2.0    9.15    2.02 12.23  76.57  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.32 12.25  85.77 0.80   0.000
     [I%=70.0:S%= 3.30]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    1.01 12.25  65.80 0.61   0.000
     [I%=40.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.45 12.25  90.90 0.85   0.000
     [I%=80.0:S%= 2.00]
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.49 12.25  90.90 0.85   0.000
     [I%=80.0:S%= 2.00]
*
     ADD [  0201+  0203]  1514  3  5.0    7.23    1.46 12.25  71.39  n/a   0.000
*
     ADD [  1514+  0204]  1514  1  5.0    8.97    1.95 12.25  75.17  n/a   0.000
*
     ADD [  1514+  0314]  0905  3  2.0   17.61    2.12 12.23  51.36  n/a   0.000
*
     ADD [  0905+  0317]  0905  1  2.0   18.80    2.44 12.23  53.53  n/a   0.000
*
     ADD [  0905+  0401]  0905  3  2.0  113.19    9.88 12.50  60.15  n/a   0.000
*
     ADD [  0905+  0907]  0905  1  2.0  122.34   10.36 12.50  61.38  n/a   0.000
*
 ** Reservoir
     OUTFLOW:             4011  1  2.0  122.34    1.24 14.77  61.38  n/a   0.000
*
     CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.24 14.80  61.38  n/a   0.000
*
     READ STORM                15.0
     [ Ptot=107.47 mm ]
     fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
     remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.36 12.75  21.75 0.20   0.000
     [CN=41.8         ]
     [ N = 3.0:Tp 0.57]
*
     READ STORM                15.0
```

```
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.81 12.37  55.58 0.52   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.69 12.43  55.58  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.29 12.25  98.56 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.13 12.33  98.56  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.44 12.75  26.32  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.08 12.47  41.99  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.08 12.67  19.85 0.18   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.15 12.47  39.95  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.19 12.50  56.40  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.19 12.50  56.40  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.18 12.50  56.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    2.78 12.25  90.90 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.21 12.25  66.76 0.62   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    2.98 12.25  88.55  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.48 12.58  88.35  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    3.66 12.50  58.25  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    3.65 12.53  58.25  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.18 12.67  15.35 0.14   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.26 12.83  32.24 0.30   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.15 12.25  50.96 0.47   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.26 12.33  18.83  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.47 12.75  24.44  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    4.11 12.53  54.97  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.17 12.57  34.42 0.32   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.21 12.23  96.10 0.89   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.17 12.27  95.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.43 12.27  83.78 0.78   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.84 12.27  75.42 0.70   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.22 12.27  77.32 0.72   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.69 12.33  77.31  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.16 12.25  98.97 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.94 12.27  64.67  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.37 12.27  71.15  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    3.50 12.27  71.92  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    3.68 12.27  72.72  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    5.28 12.27  74.28  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.27 14.80  71.75  n/a   0.000
```

```
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.04 12.58  25.53 0.24   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.06 12.40  37.58 0.35   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.11 12.23  61.31 0.57   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.46 12.23  65.79 0.61   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.50 12.23  58.76  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.62 12.23  59.18  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.08 12.97  52.68  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.08 12.97  52.68  n/a   0.000
       Outflow           0002  2  2.0    1.32    0.00 12.97  52.68  n/a   0.000
       Outflow           0002  3  2.0    2.61    0.08 12.97  52.68  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.68    0.11 12.77  44.79  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.10 12.25  88.08 0.82   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.14 12.25  90.01 0.84   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.24 12.25  89.18  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.39 12.23  72.23  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.34    0.43 12.23  69.37  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.76 12.23  90.90 0.85   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.33 12.33  90.82  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.09    0.73 12.27  70.92  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.09    0.63 12.77  70.89  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=107.47 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\c375110d-0153-4217-93f4-93d
    remark: 25yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.27 12.50  30.12 0.28   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.60    0.87 12.57  65.74  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.32    0.00 66.63  32.63  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V  V   I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\2e8efd55-d73c
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\2e8efd55-d73c


DATE: 03-22-2022                          TIME: 10:55:01

USER:


COMMENTS: _____________________________________________________

  ************************************************
  ** SIMULATION : Run 23 - 50Y24H.STM           **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms


      START @  0.00 hrs
      ---------------------
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  30.47 0.25   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.34 12.27  75.97 0.63   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.34 12.27  75.97  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.37 12.25  68.10 0.56   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.38 12.23  63.88  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.70 12.27  69.31  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.57 12.33  69.28  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.15 12.58  34.13 0.28   0.000
    [CN=49.8       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.68 12.33  53.27  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67 12.37  53.27  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.73 12.27  60.00 0.50   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0301  1  2.0   79.45   10.06 12.40  74.28 0.62   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   10.65 12.40  73.35  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   11.31 12.40  71.78  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   11.24 12.40  71.78  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.39 12.23  67.51 0.56   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   11.45 12.40  71.68  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39   10.88 12.47  71.63  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0314  1  2.0    8.64    0.46 12.50  33.05 0.27   0.000
    [CN=47.8       ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.13 12.37  42.80 0.35   0.000
    [CN=57.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.44 12.25  68.10 0.56   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.53 12.23  58.49  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0316  1  5.0    2.95    0.96 12.25 104.19 0.86   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0315  1  5.0    2.53    0.88 12.25 111.24 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    1.84 12.25 107.44  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    2.36 12.23  87.69  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.36 12.25  97.46 0.81   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    1.17 12.25  75.97 0.63   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.51 12.25 102.74 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.55 12.25 102.74 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    1.68 12.25  81.93  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    2.23 12.25  85.97  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.45 12.23  59.95  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.81 12.23  62.31  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   11.98 12.47  70.08  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   12.55 12.47  71.40  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    1.29 14.87  71.40  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.29 14.90  71.40  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.45 12.75  27.11 0.22   0.000
    [CN=41.8       ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
```

```
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.21 12.37  65.02 0.54   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.07 12.43  65.02  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.32 12.25 111.18 0.92   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.16 12.33 111.18  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.53 12.75  32.12  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.55 12.43  49.74  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.55 12.43  49.74  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.55 12.47  49.74  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.10 12.67  24.81 0.21   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.64 12.47  47.44  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    3.72 12.47  65.83  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    3.73 12.50  65.83  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    3.72 12.47  65.83  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    3.15 12.25 102.74 0.85   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.24 12.25  76.55 0.63   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.38 12.25 100.19  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.61 12.50  99.99  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    4.32 12.50  67.82  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    4.31 12.50  67.82  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.22 12.67  19.36 0.16   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.32 12.83  39.49 0.33   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.18 12.25  60.84 0.50   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.32 12.33  23.41  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.58 12.75  30.13  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    4.87 12.53  64.17  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.21 12.57  42.05 0.35   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.23 12.23 108.48 0.90   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.20 12.27 107.77  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    1.65 12.27  95.18 0.79   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    2.14 12.27  86.17 0.71   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    2.54 12.27  88.35 0.73   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.98 12.30  88.34  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.18 12.25 111.67 0.93   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.26 12.27  74.61  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    3.91 12.27  81.58  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.07 12.27  82.41  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.26 12.27  83.27  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.14 12.27  85.00  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.34 14.63  82.10  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.05 12.58  31.57 0.26   0.000
    [CN=45.9        ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.08 12.40  45.66 0.38   0.000
    [CN=58.6        ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.13 12.23  70.64 0.59   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.53 12.23  75.97 0.63   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.59 12.23  68.42  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.72 12.23  68.78  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.11 12.87  62.15  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.11 12.87  62.15  n/a   0.000
       Outflow           0002  2  2.0    1.14    0.00 12.87  62.15  n/a   0.000
       Outflow           0002  3  2.0    2.80    0.11 12.87  62.15  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    3.87    0.15 12.73  53.70  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.12 12.25  99.78 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.16 12.25 102.04 0.85   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.28 12.25 101.06  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.46 12.23  82.62  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.53    0.52 12.23  79.47  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.86 12.23 102.74 0.85   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.35 12.33 102.66  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.28    0.84 12.27  81.14  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.28    0.73 12.77  81.11  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=120.63 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\e2aafda2-5e5f-44a8-9da4-04f
    remark: 50yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.33 12.50  37.09 0.31   0.000
    [CN=52.2        ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.79    1.02 12.57  75.57  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.14    0.00 66.63  38.67  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\8c7274f1-fd9e
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\8c7274f1-fd9e


DATE: 03-22-2022                          TIME: 10:55:04

USER:


COMMENTS: ____________________________________________________

  ************************************************
  ** SIMULATION : Run 24 - 100Y24H.STM          **
  ************************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 12.30  36.84 0.28   0.000
    [CN=46.5        ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.39 12.27  86.35 0.65   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.38 12.27  86.35  n/a   0.000
*
    READ STORM                15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.43 12.25  78.29 0.59   0.000
    [I%=21.0:S%= 2.00]
```

```
*
   ADD [  0302+  0304]  0901  3  2.0    2.16    0.44 12.23  73.64  n/a   0.000
*
   ADD [  0901+  0501]  0901  1  2.0    3.92    0.81 12.27  79.35  n/a   0.000
*
   CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.67 12.33  79.32  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB NASHYD         0305  1  5.0    3.28    0.18 12.58  41.04 0.31   0.000
   [CN=49.8        ]
   [ N = 3.0:Tp 0.48]
*
   ADD [  0305+  0502]  0902  3  2.0    7.20    0.80 12.33  61.88  n/a   0.000
*
   PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.79 12.37  61.88  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0306  1  2.0    5.51    0.88 12.27  69.22 0.52   0.000
   [I%=22.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0301  1  2.0   79.45   12.06 12.40  84.82 0.63   0.000
   [I%=31.0:S%= 2.00]
*
   ADD [  0301+  0306]  0903  3  2.0   84.96   12.75 12.40  83.80  n/a   0.000
*
   ADD [  0903+  0601]  0903  1  2.0   92.16   13.52 12.40  82.09  n/a   0.000
*
   PIPE   [ 2:  0903]   0602  1  2.0   92.16   13.45 12.40  82.09  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0307  1  2.0    2.23    0.45 12.23  77.08 0.58   0.000
   [I%=33.0:S%= 2.00]
*
   ADD [  0307+  0602]  0904  3  2.0   94.39   13.71 12.37  81.97  n/a   0.000
*
** Reservoir
   OUTFLOW:             0401  1  2.0   94.39   13.19 12.47  81.92  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB NASHYD         0314  1  2.0    8.64    0.55 12.50  39.70 0.30   0.000
   [CN=47.8        ]
   [ N = 3.0:Tp 0.36]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB NASHYD         0309  1  2.0    1.39    0.16 12.37  50.93 0.38   0.000
   [CN=57.4        ]
   [ N = 3.0:Tp 0.23]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0308  1  5.0    2.28    0.51 12.25  78.29 0.59   0.000
   [I%=21.0:S%= 2.00]
*
   ADD [  0308+  0309]  0906  3  2.0    3.67    0.62 12.23  67.90  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0316  1  5.0    2.95    1.07 12.25 116.43 0.87   0.000
   [I%=74.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0315  1  5.0    2.53    0.98 12.25 123.68 0.93   0.000
   [I%=90.0:S%= 2.00]
*
   ADD [  0315+  0316]  0907  3  5.0    5.48    2.05 12.25 119.78  n/a   0.000
*
   ADD [  0907+  0906]  0907  1  2.0    9.15    2.66 12.23  98.84  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0317  1  5.0    1.19    0.41 12.25 109.12 0.82   0.000
   [I%=70.0:S%= 3.30]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0201  1  5.0    5.62    1.33 12.25  86.25 0.65   0.000
   [I%=40.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0203  1  5.0    1.61    0.57 12.25 114.49 0.86   0.000
   [I%=80.0:S%= 2.00]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0204  1  5.0    1.74    0.62 12.25 114.49 0.86   0.000
   [I%=80.0:S%= 2.00]
*
   ADD [  0201+  0203]  1514  3  5.0    7.23    1.90 12.25  92.54  n/a   0.000
*
   ADD [  1514+  0204]  1514  1  5.0    8.97    2.52 12.25  96.80  n/a   0.000
*
   ADD [  1514+  0314]  0905  3  2.0   17.61    2.79 12.23  68.72  n/a   0.000
*
   ADD [  0905+  0317]  0905  1  2.0   18.80    3.19 12.23  71.26  n/a   0.000
*
   ADD [  0905+  0401]  0905  3  2.0  113.19   14.48 12.47  80.15  n/a   0.000
*
   ADD [  0905+  0907]  0905  1  2.0  122.34   15.17 12.43  81.55  n/a   0.000
*
** Reservoir
   OUTFLOW:             4011  1  2.0  122.34    1.34 14.97  81.55  n/a   0.000
*
   CHANNEL[ 2:  4011]   0505  1  2.0  122.34    1.34 15.00  81.55  n/a   0.000
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB NASHYD         0312  1  5.0   14.69    0.55 12.75  32.81 0.25   0.000
   [CN=41.8        ]
   [ N = 3.0:Tp 0.57]
*
   READ STORM                15.0
   [ Ptot=133.60 mm ]
   fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
   remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 * CALIB STANDHYD       0311  1  2.0   18.02    2.58 12.37  74.63 0.56   0.000
   [I%=27.0:S%= 2.00]
```

```
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.42 12.43  74.63  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0318  1  5.0    0.93    0.36 12.25 123.67 0.93   0.000
    [I%=89.0:S%= 2.00]
*
  ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.19 12.33 123.67  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.64 12.75  38.22  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.00 12.43  57.73  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.00 12.43  57.73  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.00 12.47  57.73  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB NASHYD         0310  1  5.0    3.42    0.13 12.67  30.12 0.23   0.000
    [CN=39.2        ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.11 12.47  55.18  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    4.24 12.47  75.41  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    4.25 12.47  75.41  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    4.24 12.50  75.41  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0209  1  5.0   10.10    3.51 12.25 114.49 0.86   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0208  1  5.0    1.09    0.27 12.25  86.43 0.65   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    3.78 12.25 111.76  n/a   0.000
*
  ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.74 12.50 111.56  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    4.98 12.50  77.53  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    4.97 12.50  77.53  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB NASHYD         0313  1  5.0    9.60    0.28 12.67  23.67 0.18   0.000
    [CN=32.7        ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB NASHYD         0329  1  5.0    7.64    0.39 12.83  47.08 0.35   0.000
    [CN=53.6        ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0319  1  5.0    1.04    0.22 12.25  70.93 0.53   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.39 12.33  28.29  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.70 12.75  36.14  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    5.64 12.53  73.53  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB NASHYD         0322  1  2.0    3.30    0.25 12.57  50.00 0.37   0.000
    [CN=56.0        ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0323  1  2.0    0.69    0.26 12.23 120.73 0.90   0.000
    [I%=87.8:S%= 2.00]
*
  ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.22 12.27 120.03  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0324  1  2.0    6.46    1.86 12.27 106.54 0.80   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0320  1  2.0    9.29    2.42 12.27  96.95 0.73   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0321  1  2.0   10.49    2.88 12.27  99.41 0.74   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    2.28 12.30  99.39  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
  *  CALIB STANDHYD       0325  1  5.0    0.54    0.21 12.25 124.25 0.93   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    2.57 12.27  84.64  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    4.43 12.27  92.07  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    4.60 12.27  92.95  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    4.83 12.27  93.87  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    6.98 12.27  95.76  n/a   0.000
*
  ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.53 13.43  92.72  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
```

```
 *  CALIB NASHYD         0207  1  5.0    1.07    0.06 12.50  37.95 0.28   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.09 12.40  54.05 0.40   0.000
    [CN=58.6         ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.15 12.23  80.09 0.60   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.61 12.23  86.25 0.65   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.67 12.23  78.23  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.82 12.23  78.53  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.14 12.83  71.79  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.14 12.83  71.79  n/a   0.000
       Outflow           0002  2  2.0    1.00    0.00 12.83  71.79  n/a   0.000
       Outflow           0002  3  2.0    2.94    0.14 12.83  71.79  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    4.01    0.19 12.67  62.77  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.13 12.25 111.42 0.83   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.18 12.25 113.99 0.85   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.31 12.25 112.88  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.53 13.27  93.27  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   35.67    0.68 13.27  89.84  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.96 12.23 114.49 0.86   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.38 12.33 114.41  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.42    0.94 12.27  91.60  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.42    0.86 13.13  91.57  n/a   0.000
*
    READ STORM                 15.0
    [ Ptot=133.60 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\7fa8333b-3a2e-4757-beb5-87b
    remark: 100yr/24hr Barrie Wpcc +15% SCS
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.40 12.50  44.40 0.33   0.000
    [CN=52.2         ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   43.93    1.18 12.57  85.65  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    1.00    0.00 66.63  44.86  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
         V V    I      SS   U   U  A   A  L
          VV    I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\vO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\12a0412d-5f42
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\12a0412d-5f42


DATE: 03-22-2022                          TIME: 10:55:08

USER:


COMMENTS: _____________________________________________________


  **********************************************
  ** SIMULATION : Run 25 - 25MMCHI             **
  **********************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.00  1.87   0.75 0.03   0.000
    [CN=46.5         ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.06  1.57  10.51 0.42   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.06  1.57  10.51  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.04  1.50   7.33 0.29   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.04  1.50   6.60  n/a   0.000
*
```

```
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.09  1.50   8.36  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.06  1.73   8.35  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB NASHYD         0305  1  5.0    3.28    0.00  2.50   1.00 0.04   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.06  1.73   5.00  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.06  1.80   5.00  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0306  1  2.0    5.51    0.09  1.60   6.45 0.26   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0301  1  2.0   79.45    1.09  1.97   9.13 0.36   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    1.13  1.93   8.96  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    1.18  1.93   8.65  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    1.18  1.93   8.65  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0307  1  2.0    2.23    0.07  1.53   8.91 0.36   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    1.21  1.93   8.65  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             0401  1  2.0   94.39    0.13  4.93   8.65  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB NASHYD         0314  1  2.0    8.64    0.01  2.17   1.11 0.04   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB NASHYD         0309  1  2.0    1.39    0.00  1.90   1.59 0.06   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0308  1  5.0    2.28    0.05  1.50   7.33 0.29   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.05  1.50   5.16  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0316  1  5.0    2.95    0.25  1.50  18.41 0.74   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0315  1  5.0    2.53    0.26  1.50  21.34 0.85   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.50  1.50  19.77  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.56  1.50  13.91  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0317  1  5.0    1.19    0.10  1.50  17.08 0.68   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0201  1  5.0    5.62    0.23  1.50  11.03 0.44   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0203  1  5.0    1.61    0.14  1.50  19.48 0.78   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0204  1  5.0    1.74    0.15  1.50  19.48 0.78   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.37  1.50  12.91  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    0.53  1.50  14.19  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    0.53  1.50   7.77  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    0.62  1.50   8.36  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    0.64  1.50   8.60  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    1.20  1.50   9.00  n/a   0.000
*
 **  Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.59  1.63   9.00  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.59  1.70   9.00  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB NASHYD         0312  1  5.0   14.69    0.01  2.67   0.76 0.03   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  *  CALIB STANDHYD       0311  1  2.0   18.02    0.25  1.80   7.64 0.31   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.23  1.90   7.64  n/a   0.000
*
```

```
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.10  1.50  21.17 0.85   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.05  1.58  21.16  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.05  1.67   1.98  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.28  1.90   5.01  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.28  1.90   5.01  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.28  1.93   5.01  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.00  2.58   0.66 0.03   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.28  1.93   4.61  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    0.81  1.80   7.98  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    0.81  1.83   7.98  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    0.81  1.83   7.98  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    0.79  1.50  19.50 0.78   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.06  1.50  12.46 0.50   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    0.85  1.50  18.81  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.02  4.08  18.61  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    0.83  1.83   8.61  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    0.82  1.87   8.61  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.00  2.75   0.43 0.02   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.01  2.58   1.57 0.06   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.01  2.08   3.74 0.15   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.01  2.33   0.75  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.02  2.50   1.09  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    0.84  1.87   7.89  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.01  2.17   1.72 0.07   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.07  1.50  20.34 0.81   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.01  2.73  19.64  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.32  1.63  16.70 0.67   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    0.41  1.60  14.18 0.57   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.51  1.57  14.41 0.58   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.32  1.73  14.41  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.06  1.50  20.84 0.83   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    0.41  1.60  10.91  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    0.73  1.60  12.88  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    0.75  1.60  13.10  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    0.76  1.60  13.32  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    1.04  1.63  13.69  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.06  4.40  13.39  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.00  2.25   1.10 0.04   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
```

```
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB NASHYD        0205  1  2.0    0.82    0.00  1.87   2.12 0.08   0.000
    [CN=58.6          ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0206  1  2.0    0.65    0.03  1.50  10.86 0.43   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0202  1  2.0    2.47    0.10  1.50  11.03 0.44   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.11  1.50   8.81  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.14  1.50   9.15  n/a   0.000
*
  ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.00  2.43   8.89  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.00  2.43   8.89  n/a   0.000
       Outflow           0002  2  2.0    3.94    0.00  2.43   8.89  n/a   0.000
       Outflow           0002  3  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  5.0    1.07    0.00  2.25   1.10  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0328  1  5.0    0.38    0.03  1.50  18.36 0.73   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0327  1  5.0    0.50    0.04  1.50  18.54 0.74   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.08  1.50  18.46  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.08  1.50  13.53  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   32.73    0.08  1.50  13.12  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB STANDHYD       0210  1  2.0    2.75    0.21  1.53  19.50 0.78   0.000
    [I%=80.0:S%= 2.00]
*
  ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.07  1.83  19.42  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   35.48    0.12  1.83  13.61  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   35.48    0.12  2.20  13.61  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 25.02 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\37e654b2-d466-4b4b-8f1b-8cb
    remark: 25MMCHI
*
  * CALIB NASHYD        0326  1  5.0    5.51    0.01  2.17   1.25 0.05   0.000
    [CN=52.2          ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   40.99    0.12  2.20  11.94  n/a   0.000
*
  ** Reservoir
    OUTFLOW:             0413  1  2.0    3.94    0.00 30.07   6.71  n/a   0.000
*
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\69daaf98-9634
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\69daaf98-9634


DATE: 03-22-2022                          TIME: 10:55:08

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : Run 26 - 12.5 mm              **
  ************************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                   min     ha   '  cms   hrs     mm          cms


       START @  0.00 hrs
       --------------------
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
  ** CALIB NASHYD         0304  1  2.0    0.24    0.00  4.00   0.02 0.00   0.000
    [CN=46.5          ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
  ** CALIB STANDHYD       0303  1  2.0    1.76    0.03  1.63   4.37 0.35   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.03  1.67   4.37  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.03  1.50   2.81 0.22   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.03  1.50   2.50  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.04  1.50   3.34  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.03  1.80   3.33  n/a   0.000
```

```
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.00  4.00   0.06 0.00   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.03  1.80   1.84  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.02  1.87   1.84  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.04  1.63   2.48 0.20   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0301  1  2.0   79.45    0.44  1.97   3.62 0.29   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    0.47  1.93   3.54  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    0.49  1.93   3.41  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    0.49  1.97   3.41  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.04  1.57   3.67 0.29   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39    0.50  1.93   3.42  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    0.08  4.60   3.41  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0314  1  2.0    8.64    0.00  2.93   0.11 0.01   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.00  2.53   0.16 0.01   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.03  1.50   2.82 0.23   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.03  1.50   1.81  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0316  1  5.0    2.95    0.14  1.50   8.35 0.67   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0315  1  5.0    2.53    0.15  1.50   9.91 0.79   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.29  1.50   9.07  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    0.32  1.50   6.16  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.06  1.50   7.74 0.62   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.13  1.50   4.86 0.39   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.08  1.50   9.21 0.74   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.09  1.50   9.21 0.74   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.21  1.50   5.83  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    0.30  1.50   6.49  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    0.30  1.50   3.36  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    0.36  1.50   3.64  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19    0.36  1.50   3.45  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34    0.68  1.50   3.65  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34    0.31  1.63   3.65  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34    0.30  1.67   3.65  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.00  4.00   0.05 0.00   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    0.10  1.93   3.03 0.24   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    0.09  2.03   3.03  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
```

```
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.06  1.50   9.80 0.78   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.04  1.58   9.80  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.04  1.58   0.63  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    0.10  2.03   1.92  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    0.10  2.03   1.92  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    0.10  2.07   1.92  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.00  4.00   0.04 0.00   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    0.10  2.07   1.74  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40    0.37  1.70   3.21  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40    0.37  1.73   3.21  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40    0.37  1.77   3.21  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    0.38  1.58   9.23 0.74   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.03  1.50   5.67 0.45   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    0.40  1.50   8.89  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    0.01  4.17   8.69  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59    0.37  1.77   3.54  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59    0.37  1.80   3.54  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.00  4.08   0.01 0.00   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.00  3.08   0.21 0.02   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.00  1.50   0.78 0.06   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.00  4.00   0.09  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    0.00  3.33   0.14  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87    0.37  1.80   3.21  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.00  2.57   0.23 0.02   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.04  1.50   9.22 0.74   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.00  3.30   8.52  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.15  1.70   7.45 0.60   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    0.19  1.67   6.25 0.50   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    0.25  1.60   6.32 0.51   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    0.13  1.83   6.32  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.03  1.50   9.45 0.76   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    0.19  1.67   4.67  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    0.34  1.67   5.62  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    0.34  1.67   5.72  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    0.35  1.67   5.82  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    0.46  1.70   5.99  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    0.03  4.43   5.84  n/a   0.000
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.00  2.83   0.12 0.01   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM                10.0
    [ Ptot= 12.50 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.00  1.97   0.35 0.03   0.000
    [CN=58.6       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.02  1.50   4.86 0.39   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.06  1.53   4.85 0.39   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.06  1.53   3.73  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.07  1.50   3.92  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.00  4.13   3.66  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.00  4.13   3.66  n/a   0.000
       Outflow           0002  2  2.0    3.94    0.00  4.13   3.66  n/a   0.000
       Outflow           0002  3  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  5.0    1.07    0.00  2.83   0.12  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.02  1.50   8.64 0.69   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.03  1.50   8.65 0.69   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.04  1.50   8.65  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    0.05  1.50   5.92  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   32.73    0.05  1.50   5.73  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.12  1.53   9.24 0.74   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.03  1.93   9.16  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   35.48    0.05  1.50   6.00  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   35.48    0.05  2.47   6.00  n/a   0.000
*
    READ STORM                 10.0
    [ Ptot= 12.50 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\47f19be8-393f-4e5e-8c9c-2cd
    remark: 12.5mm4hr (Barrie (2016)
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.00  3.17   0.11 0.01   0.000
    [CN=52.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   40.99    0.05  2.50   5.20  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    3.94    0.00 32.00   3.02  n/a   0.000
*
 FINISH

================================================================================================================
================================================================================================================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9d4e250f-302a
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\9d4e250f-302a


DATE: 03-22-2022                          TIME: 10:55:08

USER:


COMMENTS: _____________________________________________________


  **********************************************
  ** SIMULATION : Run 27 - HAZEL.STM           **
  **********************************************

  W/E COMMAND              HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                    min     ha   '  cms   hrs     mm          cms

     START @  0.00 hrs
     --------------------
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.02 10.00  82.68 0.39   0.000
    [CN=46.5       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.21 10.00 152.94 0.72   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.21 10.03 152.94  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0302  1  5.0    1.92    0.23 10.00 144.36 0.68   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.25 10.00 137.51  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.45 10.00 144.44  n/a   0.000
*
```

```
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.44 10.03 144.41  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0305  1  5.0    3.28    0.24 10.33  90.08 0.42   0.000
    [CN=49.8         ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.67 10.10 119.66  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.67 10.13 119.66  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0306  1  2.0    5.51    0.57 10.03 130.19 0.61   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0301  1  2.0   79.45    8.56 10.20 152.44 0.72   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96    9.10 10.20 151.00  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16    9.77 10.17 148.55  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16    9.80 10.17 148.55  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0307  1  2.0    2.23    0.25 10.00 139.51 0.66   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   10.02 10.17 148.34  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0401  1  2.0   94.39    9.92 10.27 148.32  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0314  1  2.0    8.64    0.66 10.17  87.16 0.41   0.000
    [CN=47.8         ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0309  1  2.0    1.39    0.14 10.03 106.88 0.50   0.000
    [CN=57.4         ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0308  1  5.0    2.28    0.27 10.00 144.36 0.68   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.41 10.00 130.16  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0316  1  5.0    2.95    0.41 10.00 191.69 0.90   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0315  1  5.0    2.53    0.36 10.00 199.57 0.94   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.77 10.00 195.33  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.18 10.00 169.20  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.16 10.00 181.50 0.86   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.67 10.00 152.27 0.72   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.22 10.00 186.98 0.88   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.23 10.00 186.98 0.88   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.88 10.00 160.00  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.12 10.00 165.23  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    1.75 10.00 126.93  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    1.91 10.00 130.38  n/a   0.000
*
    ADD [  0905+  0401]  0905  3  2.0  113.19   11.57 10.23 145.34  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   12.50 10.23 147.13  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             4011  1  2.0  122.34   10.47 11.10 147.13  n/a   0.000
*
    CHANNEL[ 2:  4011]   0505  1  2.0  122.34   10.46 11.13 147.13  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0312  1  5.0   14.69    0.88 10.58  74.49 0.35   0.000
    [CN=41.8         ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    1.82 10.13 137.56 0.65   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    1.81 10.23 137.56  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
```

```
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.13 10.00 199.86 0.94   0.000
    [I%=89.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0402  1  5.0    0.93    0.11 10.08 199.86  n/a   0.000
*
    ADD [  0312+  0402]  0908  3  5.0   15.62    0.98 10.58  81.96  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    2.76 10.27 111.74  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    2.76 10.27 111.74  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    2.76 10.30 111.74  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.19 10.42  69.27 0.33   0.000
    [CN=39.2         ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    2.95 10.30 107.82  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40   13.17 11.10 137.99  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40   13.17 11.13 137.99  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40   13.15 11.17 137.99  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.35 10.00 186.98 0.88   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0208  1  5.0    1.09    0.12 10.00 149.74 0.71   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0911  3  5.0   11.19    1.47 10.00 183.35  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0407  1  5.0   11.19    1.21 10.17 183.15  n/a   0.000
*
    ADD [ 23316+  0407]  0910  3  2.0  170.59   14.16 11.07 140.77  n/a   0.000
*
    CHANNEL[ 2:  0910]   0507  1  2.0  170.59   14.13 11.07 140.77  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.45 10.50  56.36 0.27   0.000
    [CN=32.7         ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.58 10.75  99.91 0.47   0.000
    [CN=53.6         ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.12 10.00 136.92 0.65   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0912  3  5.0   10.64    0.55 10.33  64.23  n/a   0.000
*
    ADD [  0912+  0329]  0912  1  5.0   18.28    1.12 10.58  79.14  n/a   0.000
*
    ADD [  0912+  0507]  0912  3  2.0  188.87   15.24 11.07 134.80  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.29 10.20 104.92 0.49   0.000
    [CN=56.0         ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 10.00 195.69 0.92   0.000
    [I%=87.8:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0403  1  2.0    0.69    0.10 10.00 194.98  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.83 10.00 177.29 0.84   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.14 10.00 164.97 0.78   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.32 10.00 168.92 0.80   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.29 10.03 168.91  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 10.00 200.79 0.95   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0915  3  2.0   12.59    1.41 10.03 149.23  n/a   0.000
*
    ADD [  0915+  0324]  0915  1  2.0   19.05    2.25 10.00 158.75  n/a   0.000
*
    ADD [  0915+  0325]  0915  3  2.0   19.59    2.32 10.00 159.91  n/a   0.000
*
    ADD [  0915+  0403]  0915  1  2.0   20.28    2.42 10.00 161.10  n/a   0.000
*
    ADD [  0915+  0508]  0915  3  2.0   30.78    3.71 10.00 163.77  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0404  1  2.0   30.78    3.15 10.33 161.67  n/a   0.000
*
    READ STORM               12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0207  1  5.0    1.07    0.08 10.25  83.74 0.39   0.000
    [CN=45.9         ]
    [ N = 3.0:Tp 0.42]
*
    READ STORM               12.0
```

```
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0205  1  2.0    0.82    0.08 10.07 111.31 0.53   0.000
    [CN=58.6         ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0206  1  2.0    0.65    0.07 10.00 141.33 0.67   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0202  1  2.0    2.47    0.29 10.00 152.27 0.72   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  0913  3  2.0    3.29    0.38 10.00 142.06  n/a   0.000
*
    ADD [  0913+  0206]  0913  1  2.0    3.94    0.45 10.00 141.94  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0405  1  2.0    3.94    0.38 10.23 136.86  n/a   0.000
*
    DIVERT HYD           0801  1  2.0    3.94    0.38 10.23 136.86  n/a   0.000
       Outflow           0002  2  2.0    0.54    0.01 10.23 136.86  n/a   0.000
       Outflow           0002  3  2.0    3.40    0.37 10.23 136.86  n/a   0.000
       Outflow           0002  4  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  5  2.0    0.00    0.00  0.00   0.00  n/a   0.000
       Outflow           0002  6  2.0    0.00    0.00  0.00   0.00  n/a   0.000
*
    ADD [  0207+  0801]  0914  3  2.0    4.47    0.45 10.23 124.13  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.05 10.00 183.53 0.87   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 10.00 187.77 0.89   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  0916  3  5.0    0.88    0.12 10.00 185.94  n/a   0.000
*
    ADD [  0916+  0404]  0916  1  2.0   31.66    3.24 10.33 162.38  n/a   0.000
*
    ADD [  0916+  0914]  0916  3  2.0   36.12    3.68 10.33 157.65  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0210  1  2.0    2.75    0.37 10.00 186.98 0.88   0.000
    [I%=80.0:S%= 2.00]
*
 ** Reservoir
    OUTFLOW:             0406  1  2.0    2.75    0.31 10.10 186.90  n/a   0.000
*
    ADD [  0406+  0916]  0917  3  2.0   38.87    3.99 10.33 159.72  n/a   0.000
*
    CHANNEL[ 2:  0917]   0509  1  2.0   38.87    3.91 10.50 159.70  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\3194fbee-5cdb-4524-87e3-c1f6087fc3ca\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.46 10.17  95.76 0.45   0.000
    [CN=52.2         ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0918  3  2.0   44.38    4.34 10.47 151.76  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0413  1  2.0    0.54    0.00 60.70  90.29  n/a   0.000
*
```

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
301	58.79	38.43	76.54	-	-	-
302	59.00	38.63	76.70	-	-	-
303	58.74	38.38	76.50	-	-	-
304	46.50	27.60	66.32	-	-	-
305	49.80	30.35	69.20	-	-	-
306	52.47	32.66	71.45	-	-	-
307	49.00	29.68	68.51	-	-	-
308	59.00	38.63	76.70	-	-	-
309	57.40	37.12	75.45	-	-	-
310	39.20	21.86	59.51	-	-	-
311	55.82	35.66	74.19	-	-	-
312	41.80	23.85	62.01	-	-	-
313	32.70	17.10	52.79	-	-	-
314	47.80	28.67	67.47	-	-	-
315	54.00	34.01	72.71	-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
316	54.00	34.01	72.71	-	-	-
317	60.00	39.59	77.48	-	-	-
318	60.00	39.59	77.48	-	-	-
319	60.00	39.59	77.48	-	-	-
320	54.04	34.05	72.75	-	-	-
321	57.93	37.61	75.87	-	-	-
322	56.00	35.82	74.33	-	-	-
323	50.98	31.36	70.20	-	-	-
324	53.10	33.21	71.98	-	-	-
325	62.00	41.57	79.00	-	-	-
326	52.20	32.42	71.23	-	-	-
327	62.00	41.57	79.00	-	-	-
328	62.00	41.57	79.00	-	-	-
329	53.60	33.65	72.39	-	-	-
				-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

AMC Conversion Calculation

Project Details

15 Harvie Road	421487

Prepared By

LB	03-18-2022

Municipality

City of Barrie

CN* Calculation Requirement

No

Precipitation threshold to create AMCIII soil moisture conditions (mm): -

Initial Abstraction (Ia) (mm): -

Catchment ID	AMC II CN	AMC I CN	AMC III CN	AMC III CN*	AMC II CN*	AMC I CN*
201	49.00	29.68	68.51	-	-	-
202	49.00	29.68	68.51	-	-	-
203	49.00	29.68	68.51	-	-	-
204	49.00	29.68	68.51	-	-	-
205	58.60	38.25	76.39	-	-	-
206	49.00	29.68	68.51	-	-	-
207	45.90	27.11	65.78	-	-	-
208	49.00	29.68	68.51	-	-	-
209	49.00	29.68	68.51	-	-	-
210	49.00	29.68	68.51	-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-

AMC Conversion is determined using equations derived from MTO Design Chart 1.10

Proposed Conditions - AMC III

```
================================================================================================================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2010)
       V    V   I    SS     U   U   A A   L
        V  V    I     SS    U   U  AAAAA  L
        V  V    I      SS   U   U  A   A  L
         VV     I    SSSSS  UUUUU  A   A  LLLLL

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
  Output  filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\ea49406d-d1dd
  Summary filename: C:\Users\LBuss\AppData\Local\Civica\VH5\77e6ccc3-1afb-4bd3-bbed-e781f800cb79\ea49406d-d1dd


DATE: 03-22-2022                          TIME: 11:19:17

USER:


COMMENTS: _____________________________________________________________

  **********************************************
  ** SIMULATION : HAZEL.STM                   **
  **********************************************

  W/E COMMAND             HYD ID   DT    AREA  ' Qpeak Tpeak   R.V. R.C.   Qbase
                                  min     ha   '  cms   hrs     mm          cms

      START @  0.00 hrs
      --------------------
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB NASHYD         0304  1  2.0    0.24    0.03 10.00 127.51 0.60   0.000
    [CN=66.3       ]
    [ N = 3.0:Tp 0.16]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 ** CALIB STANDHYD       0303  1  2.0    1.76    0.23 10.00 176.06 0.83   0.000
    [I%=40.0:S%= 2.00]
*
    CHANNEL[ 2:  0303]   0501  1  2.0    1.76    0.23 10.03 176.06  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0302  1  5.0    1.92    0.26 10.00 172.66 0.81   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0302+  0304]  0901  3  2.0    2.16    0.29 10.00 167.64  n/a   0.000
*
    ADD [  0901+  0501]  0901  1  2.0    3.92    0.52 10.00 171.42  n/a   0.000
*
    CHANNEL[ 2:  0901]   0502  1  2.0    3.92    0.51 10.03 171.39  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0305  1  5.0    3.28    0.34 10.25 133.87 0.63   0.000
    [CN=69.2       ]
    [ N = 3.0:Tp 0.48]
*
    ADD [  0305+  0502]  0902  3  2.0    7.20    0.84 10.10 154.30  n/a   0.000
*
    PIPE   [ 2:  0902]   0601  1  2.0    7.20    0.84 10.13 154.30  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0306  1  2.0    5.51    0.70 10.03 161.98 0.76   0.000
    [I%=22.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0301  1  2.0   79.45    9.69 10.20 177.19 0.84   0.000
    [I%=31.0:S%= 2.00]
*
    ADD [  0301+  0306]  0903  3  2.0   84.96   10.35 10.17 176.21  n/a   0.000
*
    ADD [  0903+  0601]  0903  1  2.0   92.16   11.19 10.17 174.50  n/a   0.000
*
    PIPE   [ 2:  0903]   0602  1  2.0   92.16   11.22 10.17 174.50  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0307  1  2.0    2.23    0.29 10.00 166.44 0.79   0.000
    [I%=33.0:S%= 2.00]
*
    ADD [  0307+  0602]  0904  3  2.0   94.39   11.48 10.17 174.31  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0314  1  2.0    8.64    0.94 10.13 130.05 0.61   0.000
    [CN=67.5       ]
    [ N = 3.0:Tp 0.36]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB NASHYD         0309  1  2.0    1.39    0.18 10.03 147.93 0.70   0.000
    [CN=75.4       ]
    [ N = 3.0:Tp 0.23]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0308  1  5.0    2.28    0.31 10.00 172.66 0.81   0.000
    [I%=21.0:S%= 2.00]
*
    ADD [  0308+  0309]  0906  3  2.0    3.67    0.49 10.00 163.29  n/a   0.000
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0316  1  5.0    2.95    0.43 10.00 200.14 0.94   0.000
    [I%=74.0:S%= 2.00]
*
    READ STORM                12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
  * CALIB STANDHYD       0315  1  5.0    2.53    0.37 10.00 203.62 0.96   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0315+  0316]  0907  3  5.0    5.48    0.79 10.00 201.75  n/a   0.000
*
    ADD [  0907+  0906]  0907  1  2.0    9.15    1.28 10.00 186.33  n/a   0.000
```

```
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0317  1  5.0    1.19    0.17 10.00 193.12 0.91   0.000
    [I%=70.0:S%= 3.30]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0201  1  5.0    5.62    0.76 10.00 175.59 0.83   0.000
    [I%=40.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0203  1  5.0    1.61    0.23 10.00 195.27 0.92   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0204  1  5.0    1.74    0.24 10.00 195.27 0.92   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  0201+  0203]  1514  3  5.0    7.23    0.99 10.00 179.97  n/a   0.000
*
    ADD [  1514+  0204]  1514  1  5.0    8.97    1.23 10.00 182.94  n/a   0.000
*
    ADD [  1514+  0314]  0905  3  2.0   17.61    2.14 10.00 156.99  n/a   0.000
*
    ADD [  0905+  0317]  0905  1  2.0   18.80    2.31 10.00 159.28  n/a   0.000
*
    ADD [  0905+  0904]  0905  3  2.0  113.19   13.58 10.07 171.81  n/a   0.000
*
    ADD [  0905+  0907]  0905  1  2.0  122.34   14.76 10.00 172.90  n/a   0.000
*
    CHANNEL[ 2:  0905]   0505  1  2.0  122.34   14.73 10.03 172.90  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0312  1  5.0   14.69    1.32 10.50 118.16 0.56   0.000
    [CN=62.0          ]
    [ N = 3.0:Tp 0.57]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0311  1  2.0   18.02    2.17 10.13 166.56 0.79   0.000
    [I%=27.0:S%= 2.00]
*
    CHANNEL[ 2:  0311]   0503  1  2.0   18.02    2.16 10.20 166.56  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0318  1  5.0    0.93    0.14 10.00 204.13 0.96   0.000
    [I%=89.0:S%= 2.00]
*
    ADD [  0312+  0318]  0908  3  5.0   15.62    1.42 10.50 123.28  n/a   0.000
*
    ADD [  0908+  0503]  0908  1  2.0   33.64    3.55 10.27 146.46  n/a   0.000
*
    PIPE   [ 2:  0908]   0603  1  2.0   33.64    3.54 10.27 146.46  n/a   0.000
*
    CHANNEL[ 2:  0603]   0504  1  2.0   33.64    3.54 10.30 146.46  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0310  1  5.0    3.42    0.30 10.33 112.81 0.53   0.000
    [CN=59.5          ]
    [ N = 3.0:Tp 0.52]
*
    ADD [  0310+  0504]  0909  3  2.0   37.06    3.84 10.30 143.36  n/a   0.000
*
    ADD [  0909+  0505]  0909  1  2.0  159.40   18.43 10.07 166.03  n/a   0.000
*
    CHANNEL[ 2:  0909]   0506  1  2.0  159.40   18.42 10.07 166.03  n/a   0.000
*
    PIPE   [ 2:  0506]  23316  1  2.0  159.40   18.49 10.10 166.03  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0209  1  5.0   10.10    1.42 10.00 195.27 0.92   0.000
    [I%=80.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0208  1  5.0    1.10    0.14 10.00 170.88 0.81   0.000
    [I%=49.0:S%= 2.00]
*
    ADD [  0208+  0209]  0097  3  5.0   11.20    1.56 10.00 192.87  n/a   0.000
*
    ADD [ 23316+  0097]  1512  3  2.0  170.60   19.82 10.10 167.79  n/a   0.000
*
    CHANNEL[ 2:  1512]   0507  1  2.0  170.60   19.80 10.10 167.79  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0313  1  5.0    9.60    0.76 10.33  98.69 0.47   0.000
    [CN=52.8          ]
    [ N = 3.0:Tp 0.51]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0329  1  5.0    7.64    0.77 10.58 141.00 0.67   0.000
    [CN=72.4          ]
    [ N = 3.0:Tp 0.64]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0319  1  5.0    1.04    0.14 10.00 169.79 0.80   0.000
    [I%= 1.0:S%= 4.00]
*
    ADD [  0313+  0319]  0911  3  5.0   10.64    0.87 10.25 105.64  n/a   0.000
*
    ADD [  0911+  0329]  0911  1  5.0   18.28    1.63 10.42 120.42  n/a   0.000
*
    ADD [  0911+  0507]  0911  3  2.0  188.88   21.36 10.10 163.21  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0322  1  2.0    3.30    0.38 10.17 145.39 0.69   0.000
    [CN=74.3          ]
    [ N = 3.0:Tp 0.41]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0323  1  2.0    0.69    0.10 10.00 200.64 0.95   0.000
```

```
    [I%=87.8:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0324  1  2.0    6.46    0.89 10.00 189.39 0.89   0.000
    [I%=70.5:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0320  1  2.0    9.29    1.25 10.00 181.96 0.86   0.000
    [I%=58.9:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0321  1  2.0   10.49    1.44 10.00 185.11 0.87   0.000
    [I%=59.3:S%= 2.00]
*
    CHANNEL[ 2:  0321]   0508  1  2.0   10.49    1.41 10.03 185.10  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0325  1  5.0    0.54    0.08 10.00 204.59 0.97   0.000
    [I%=90.0:S%= 2.00]
*
    ADD [  0320+  0322]  0912  3  2.0   12.59    1.62 10.03 172.38  n/a   0.000
*
    ADD [  0912+  0323]  0912  1  2.0   13.28    1.72 10.00 173.85  n/a   0.000
*
    ADD [  0912+  0324]  0912  3  2.0   19.74    2.61 10.00 178.94  n/a   0.000
*
    ADD [  0912+  0325]  0912  1  2.0   20.28    2.69 10.00 179.62  n/a   0.000
*
    ADD [  0912+  0508]  0912  3  2.0   30.78    4.09 10.00 181.49  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0207  1  5.0    0.92    0.09 10.17 126.33 0.60   0.000
    [CN=65.8       ]
    [ N = 3.0:Tp 0.43]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0205  1  2.0    0.81    0.10 10.03 150.08 0.71   0.000
    [CN=76.4       ]
    [ N = 3.0:Tp 0.26]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0206  1  5.0    0.65    0.08 10.00 165.37 0.78   0.000
    [I%=42.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0202  1  5.0    2.47    0.33 10.00 175.58 0.83   0.000
    [I%=40.0:S%= 2.00]
*
    ADD [  0202+  0205]  1508  3  2.0    3.28    0.44 10.00 169.28  n/a   0.000
*
    ADD [  1508+  0206]  1508  1  2.0    3.93    0.52 10.00 168.64  n/a   0.000
*
    ADD [  1508+  0207]  1510  3  2.0    4.85    0.61 10.00 160.61  n/a   0.000
*
    ADD [  1510+  0912]  0913  3  2.0   35.63    4.70 10.00 178.65  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0328  1  5.0    0.38    0.05 10.00 197.25 0.93   0.000
    [I%=75.0:S%= 2.00]
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0327  1  5.0    0.50    0.07 10.00 197.26 0.93   0.000
    [I%=75.0:S%= 2.00]
*
    ADD [  0327+  0328]  1519  3  5.0    0.88    0.13 10.00 197.26  n/a   0.000
*
    ADD [  1519+  0913]  1519  1  2.0   36.51    4.83 10.00 179.14  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB STANDHYD       0210  1  2.0    2.72    0.37 10.00 186.98 0.88   0.000
    [I%=80.0:S%= 2.00]
*
    ADD [  1519+  0210]  1511  3  2.0   39.23    5.19 10.00 179.68  n/a   0.000
*
    CHANNEL[ 2:  1511]   0509  1  2.0   39.23    5.15 10.03 179.68  n/a   0.000
*
    READ STORM                 12.0
    [ Ptot=212.00 mm ]
    fname : C:\Users\LBuss\AppData\Local\Temp\946904bf-fe48-425b-8dc5-f96000726e6c\5a3ca824-ea75-40d2-b1d0-e5f
    remark: * REGIONAL DESIGN STORM - HAZEL
*
 *  CALIB NASHYD         0326  1  5.0    5.51    0.62 10.08 136.28 0.64   0.000
    [CN=71.2       ]
    [ N = 3.0:Tp 0.36]
*
    ADD [  0326+  0509]  0914  3  2.0   44.74    5.77 10.03 174.33  n/a   0.000
*
 FINISH

================================================================================================================
```

Appendix E:
Water Quantity Control

SWM Facility #1

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWM Facility #1 Volume Table	NAME	LB
		PAGE	1 OF 5

Type of Facility: Hybrid

Forebay
Bottom Elevation: 300.10
Permanent Pool Elevation: 301.60

Bioretention Cell
Top of Media: 301.6
Filter Media Depth: 1.00
Overflow Elevation: 302.2

		Areas				Average Areas				Porosity	Volumes										
Water Level Elevation	Depth	Forebay	Bioretention Cell	Wetland	Above 301.60	Forebay	Bioretention Cell	Wetland	Above 301.60	Media	Forebay	Cumul. Forebay	Bioretention Cell	Cumul. Bioretention Cell	Wetland	Cumul. Wetland	Above 301.60	Cumul. Above 301.60	Total Permanent Pool	Total Media Cell	Total Active Storage
300.10	0.00	168	-	-	-	168	-	-	-	40%	0	0	-	-	-	-			-	-	-
300.20	0.10	198	-	-	-	183	-	-	-	40%	18	18	-	-	-	-			18	-	-
300.30	0.20	227	-	-	-	212	-	-	-	40%	21	40	-	-	-	-			40	-	-
300.40	0.30	256		-	-	241	-	-	-	40%	24	64	-	-	-	-			64	-	-
300.50	0.40	285		-	-	271	-	-	-	40%	27	91	-	-	-	-			91	-	-
300.60	0.50	314	600	-	-	300	600	-	-	40%	30	121	-	-	-	-			121	-	-
300.70	0.60	344	600	-	-	329	600	-	-	40%	33	154	24	24	-	-			154	24	24
300.80	0.70	373	600	-	-	358	600	-	-	40%	36	189	24	48	-	-			189	48	48
300.90	0.80	402	600	-	-	388	600	-	-	40%	39	228	24	72	-	-			228	72	72
301.00	0.90	431	600	-	-	417	600	-	-	40%	42	270	24	96	-	-			270	96	96
301.10	1.00	461	600	-	-	446	600	-	-	40%	45	314	24	120	-	-			314	120	120
301.20	1.10	490	600	-		475	600	-	-	40%	48	362	24	144	-	-			362	144	144
301.30	1.20	519	600	592		504	600	592	-	40%	50	412	24	168	-	-			412	168	168
301.40	1.30	548	600	643		534	600	618	-	40%	53	466	24	192	62	62			528	192	192
301.50	1.40	577	600	693		563	600	668	-	40%	56	522	24	216	67	129			651	216	216
301.60	1.50	607	600	744	2037	592	600	719	2037	40%	59	581	24	240	72	200	0	0	782	240	240
301.70	1.60				2168				2103								210	210		240	450
301.80	1.70				2300				2234								223	434		240	674
301.90	1.80				2432				2366								237	670		240	910
302.00	1.90				2563				2498								250	920		240	1,160
302.10	2.00				2695				2629								263	1,183		240	1,423
302.20	2.10				2827				2761								276	1,459		240	1,699
302.30	2.20				2958				2892								289	1,748		240	1,988
302.40	2.30				3090				3024								302	2,051		240	2,291
302.50	2.40				3221				3156								316	2,366		240	2,606
302.60	2.50				3353				3287								329	2,695		240	2,935
302.70	2.60				3485				3419								342	3,037		240	3,277
302.80	2.70				**3616**				3551								355	3,392		240	3,632

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWMF#1 Discharge Table	NAME	LB
		PAGE	2 OF 5

Stage Discharge Table

Outlet Control #1		**Outlet Control #2**		**Emergency Control**	
Seepage Through Media		Orifice Plate #1		Emergency Spillway	
In-Situ Infiltration (mm/hr)	13-82	Orifice Dia. (mm)	450	Bottom Width of Weir (m)	1.23
Max Ponding Depth	302.20	Orifice Invert (m)	301.78	Weir Sill Elevation (m)	302.2
Base of Media	300.60	Orifice Area (m)	0.159	Weir Constant	Varies
Depth of Media	1.00	Orifice Coef.	0.80	Sideslope	10:1
Area of Media	600.00	For shaded cells calculations refer to the partially full orifice calculation sheet		For shaded cells refer to SWMF#1 Emergency Spillway Calculation Sheet	
Design Infiltration (mm/hr)	20				
Conversion Constant	3.60E+06				
Factor of Safety	2.50				

Note:Maximum Allowable Ponding Depth Over Media: 600 mm

	Outlet Control #1		Outlet Control #2				
Elevation (masl)	**Head (m)**	**Discharge (m^3/s)**	**Head (m)**	**Discharge (m^3/s)**	**Emergency Spillway (m^3/s)**	**Hydraulic Control**	**Total Discharge (m^3/s)**
300.60	0.00	0.000	0.00	0.000	0.000	Seepage Through Media	0.000
300.70	0.10	0.000	0.00	0.000	0.000	Seepage Through Media	0.000
300.80	0.20	0.001	0.00	0.000	0.000	Seepage Through Media	0.001
300.90	0.30	0.001	0.00	0.000	0.000	Seepage Through Media	0.001
301.00	0.40	0.001	0.00	0.000	0.000	Seepage Through Media	0.001
301.10	0.50	0.002	0.00	0.000	0.000	Seepage Through Media	0.002
301.20	0.60	0.002	0.00	0.000	0.000	Seepage Through Media	0.002
301.30	0.70	0.002	0.00	0.000	0.000	Seepage Through Media	0.002
301.40	0.80	0.003	0.00	0.000	0.000	Seepage Through Media	0.003
301.50	0.90	0.003	0.00	0.000	0.000	Seepage Through Media	0.003
301.60	1.00	0.003	0.00	0.000	0.000	Seepage Through Media	0.003
301.70	1.10	0.004	0.00	0.000	0.000	Seepage Through Media	0.004
301.80	1.20	0.004	0.00	0.000	0.000	Seepage Through Media	0.004
301.90	1.30	0.004	0.00	0.014	0.000	Orifice Plate #2	0.019
302.00	1.40	0.005	0.00	0.048	0.000	Orifice Plate #2	0.052
302.10	1.50	0.005	0.10	0.094	0.000	Orifice Plate #2	0.099
302.20	1.60	0.005	0.20	0.147	0.000	Orifice Plate #2	0.152
302.30	1.70	0.006	0.30	0.198	0.088	Orifice Plate #2	0.292
302.40	1.80	0.006	0.40	0.246	0.359	Emergency Spillway	0.611
302.50	1.90	0.006	0.50	0.397	0.870	Emergency Spillway	1.273
302.60	2.00	0.007	0.60	0.435	1.663	Emergency Spillway	2.104
302.70	2.10	0.007	0.70	0.470	2.775	Emergency Spillway	3.252
302.80	2.20	0.007	0.80	0.503	4.241	Emergency Spillway	4.751

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Partially Full Orifice Control	NAME	LB
		PAGE	4 OF 5

Primary Orifice Control - for Pipes Flowing Full or Partially Full

Orifice Equation

Q = C x A x (2gH)^0.5

Q = flow rate (m^3)

C = constant

A = area of opening (m^2)

H = net head on the orifice

g = Acceleration due to gravity

Orifice Constant (C): **0.8**

Depth Increment (m): **0.1**

Minimum Elevation (Invert of Control) (m): **301.78**

Maximum Elevation (Top of SWMF) (m): **302.80**

Control Features

Orifice Diameter (m): **0.45**

Mannings Value: **0.013**

Invert Elevation: **301.78**

Inlet Type: **2**

1 = Projecting

2 = Flush

Inlet Control Equation (Smith) Projecting Inlet

MMF Model y=(a*b+c*x^d)/(b+x^d)

Coefficient Data

a = 0.0168

b = 1.77

c = 3.06

d = 2.27

Inlet Control Equation (Smith)Flush Inlet

MMF Model y=(a*b+c*x^d)/(b+x^d)

Coefficient Data

a = -1.08E-03

b = 2.30E+00

c = 3.95

d = 2.08

Water Elevation	Depth from Min. Elevation	Pipe Partially Full Inlet Control Flow
m	m	m^3/s
301.78	0.00	
301.80	0.02	0.000
301.90	0.12	0.014
302.00	0.22	0.048
302.10	0.32	0.094
302.20	0.42	0.147
302.30	0.52	0.198
302.40	0.62	0.246
302.50	0.72	0.397
302.60	0.82	0.435
302.70	0.92	0.470
302.80	1.02	0.503

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWM Facility #1 Emergency Spillway	NAME	LB
		PAGE	1 OF 2

Trapezoidal Broad Crested Weir

Source: Hydraulic Structures, C.D.Smith, University of Saskatchewan

Trapezoidal Weir

The trapezoidal weir is a combination of the rectangular weir and the triangular weir

Enter

W	Weir Bottom Width (m)	1.23
H	Head (m)	0.3
L	Weir Downstream Length	4
S	Side Slope (horizontal):1	10

Rectangular Weir $Q = CWH^{3/2}$

H/L 0.075

C 1.5518

Result

Q Rectangular Weir Flow (m^3/s) 0.3147

Triangular Weir $Q = CH^{5/2}\tan(\theta/2)$

Notch Angle (one side) 84.289 degrees

Notch Angle (one side) 1.4711 radians

$\tan(\theta/2)$ 10.00

Triangular H/L 0.075

C 1.1264

Result

Q Triangular Weir Flow (m^3/s) 0.5553

Total Rectangular + Triangular Weir

Q Total Flow (m^3/s) **0.87**

Governing Uncontrolled Peak Flow: 1:100-Year 6 Hour SCS

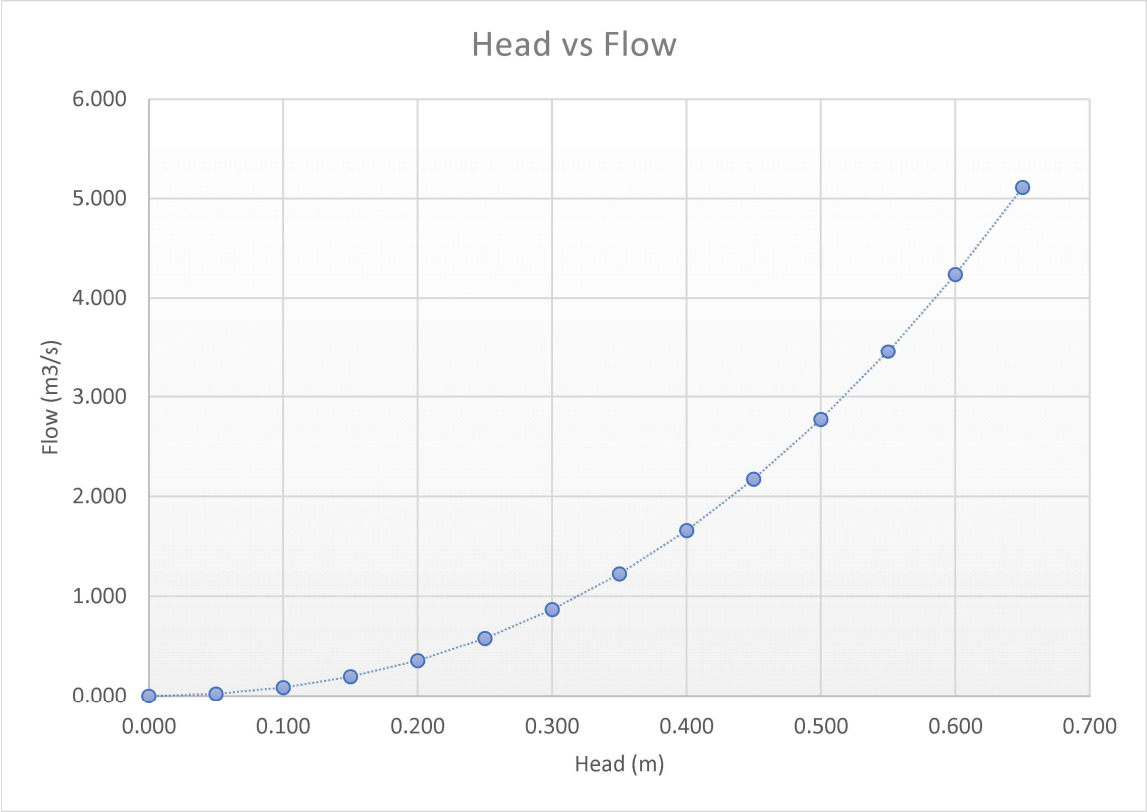
0.866 cms

Variable Head Spreadsheet

W	1.23
L	4
S	10
Angle	1.471
$\tan(\theta/2)$	10.000

	Rectangle	**Triangle**
a	-1.04E+04	-1.01E-05
b	3.42E+06	1.44E+02
c	2.13E+06	1.15E+02
d	-2.35E+05	-4.77E+00

H	H/L	C Rectangle	C Triangle	Q Rectangle	Q Triangle	Total Q
0.000	0.000	1.400	1.050	0.000	0.000	0.000
0.050	0.013	1.400	1.050	0.019	0.006	0.025
0.100	0.025	1.413	1.050	0.055	0.033	0.088
0.150	0.038	1.480	1.050	0.106	0.091	0.198
0.200	0.050	1.515	1.070	0.167	0.191	0.359
0.250	0.063	1.537	1.103	0.237	0.345	0.582
0.300	0.075	1.552	1.126	0.315	0.555	0.870
0.350	0.088	1.563	1.144	0.400	0.829	1.229
0.400	0.100	1.573	1.158	0.491	1.172	1.663
0.450	0.113	1.580	1.169	0.589	1.588	2.177
0.500	0.125	1.587	1.178	0.692	2.082	2.775
0.550	0.138	1.593	1.186	0.802	2.660	3.462
0.600	0.150	1.598	1.192	0.917	3.324	4.241
0.650	0.163	1.603	1.198	1.037	4.080	5.117



TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Stage Storage Discharge Table	NAME	LB
		PAGE	3 OF 5

Stage Storage Table

Elevation (masl)	Outlet Control#1 Discharge (m^3/s)	Outlet Control #2 Discharge (m^3/s)	Emergency Spillway (m^3/s)	Hydraulic Control	Total Discharge (m^3/s)	Dead Storage (m^3)	Bioretention (m^3)	Active Storage (m^3)
300.60	0.000	0.000	0.000	Seepage Through Media	0.000	0.01	-	-
300.70	0.000	0.000	0.000	Seepage Through Media	0.000	0.02	0.002	0.002
300.80	0.001	0.000	0.000	Seepage Through Media	0.001	0.02	0.005	0.005
300.90	0.001	0.000	0.000	Seepage Through Media	0.001	0.02	0.007	0.007
301.00	0.001	0.000	0.000	Seepage Through Media	0.001	0.03	0.010	0.010
301.10	0.002	0.000	0.000	Seepage Through Media	0.002	0.03	0.012	0.012
301.20	0.002	0.000	0.000	Seepage Through Media	0.002	0.04	0.014	0.014
301.30	0.002	0.000	0.000	Seepage Through Media	0.002	0.04	0.017	0.017
301.40	0.003	0.000	0.000	Seepage Through Media	0.003	0.05	0.019	0.019
301.50	0.003	0.000	0.000	Seepage Through Media	0.003	0.07	0.022	0.022
301.60	0.003	0.000	0.000	Seepage Through Media	0.003	0.08	0.024	0.024
301.70	0.004	0.000	0.000	Seepage Through Media	0.004	0.08	0.024	0.045
301.80	0.004	0.000	0.000	Seepage Through Media	0.004	0.08	0.024	0.067
301.90	0.004	0.014	0.000	Orifice Plate #2	0.019	0.08	0.024	0.091
302.00	0.005	0.048	0.000	Orifice Plate #2	0.052	0.08	0.024	0.116
302.10	0.005	0.094	0.000	Orifice Plate #2	0.099	0.08	0.024	0.142
302.20	0.005	0.147	0.000	Orifice Plate #2	0.152	0.08	0.024	0.170
302.30	0.006	0.198	0.088	Orifice Plate #2	0.292	0.08	0.024	0.199
302.40	0.006	0.246	0.359	Emergency Spillway	0.611	0.08	0.024	0.229
302.50	0.006	0.397	0.870	Emergency Spillway	1.273	0.08	0.024	0.261
302.60	0.007	0.435	1.663	Emergency Spillway	2.104	0.08	0.024	0.293
302.70	0.007	0.470	2.775	Emergency Spillway	3.252	0.08	0.024	0.328
302.80	0.007	0.503	4.241	Emergency Spillway	4.751	0.08	0.024	0.363

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWM Facility #1 Operating Characteristics	NAME	LB
		PAGE	5 OF 5

Operation Summary

4-Hour Chicago

STORM	Active Storage	Release Rate	Elevation
	m^3	m^3/s	m
25 mm	325	0.003	301.64
1:2-year	549	0.003	301.74
1:5-year	800	0.011	301.85
1:10-year	940	0.021	301.91
1:25-year	1,071	0.039	301.96
1:50-year	1,170	0.052	302.00
1:100-year	1,270	0.070	302.04

24-Hour SCS

STORM	Active Storage	Release Rate	Elevation
	m^3	m^3/s	m
1:2-year	723	0.006	301.82
1:5-year	956	0.023	301.91
1:10-year	1,114	0.044	301.98
1:25-year	1,327	0.080	302.06
1:50-year	1,494	0.111	302.12
1:100-year	1,663	0.142	302.18
Regional	2,079	0.375	302.33

```
************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940      0.292      1.33      14.89
   OUTFLOW: ID= 1 (  0405)      3.940      0.003      4.20      13.50
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  1.17
                  TIME SHIFT OF PEAK FLOW         (min)=172.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0549

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940      0.407      1.33      22.19
   OUTFLOW: ID= 1 (  0405)      3.940      0.011      4.07      19.47
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.69
                  TIME SHIFT OF PEAK FLOW         (min)=164.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0800

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940      0.487      1.33      27.52
   OUTFLOW: ID= 1 (  0405)      3.940      0.021      4.03      24.48
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  4.24
                  TIME SHIFT OF PEAK FLOW         (min)=162.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0940

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940      0.589      1.33      34.62
   OUTFLOW: ID= 1 (  0405)      3.940      0.039      3.43      31.41
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  6.53
                  TIME SHIFT OF PEAK FLOW         (min)=126.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1071

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940      0.668      1.33      39.91
   OUTFLOW: ID= 1 (  0405)      3.940      0.052      3.10      36.62
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  7.80
                  TIME SHIFT OF PEAK FLOW         (min)=106.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1170
```

```
--------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 06 - CHI100YR.stm **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.768      1.33      45.31
   OUTFLOW: ID= 1 (  0405)      3.940     0.070      2.73      41.97
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  9.12
                  TIME SHIFT OF PEAK FLOW         (min)= 84.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1270

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 07 - 2Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.253      3.23      17.68
   OUTFLOW: ID= 1 (  0405)      3.940     0.004      6.43      15.41
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  1.52
                  TIME SHIFT OF PEAK FLOW         (min)=192.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0645

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 08 - 5Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.400      3.23      27.41
   OUTFLOW: ID= 1 (  0405)      3.940     0.017      5.50      24.11
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  4.35
                  TIME SHIFT OF PEAK FLOW         (min)=136.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0910

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**********************************
** SIMULATION:Run 09 - 10Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.512      3.23      34.35
   OUTFLOW: ID= 1 (  0405)      3.940     0.036      4.80      30.85
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  7.02
                  TIME SHIFT OF PEAK FLOW         (min)= 94.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1052

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**********************************
** SIMULATION:Run 10 - 25Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.649      3.23      43.71
   OUTFLOW: ID= 1 (  0405)      3.940     0.065      4.23      40.07
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.09
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                    TIME SHIFT OF PEAK FLOW         (min)= 60.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1245

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 11 - 50Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)    3.940     0.756      3.23      51.01
   OUTFLOW: ID= 1 (  0405)    3.940     0.093      4.00      47.30
   OVERFLOW:ID= 3 (  0003)    0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.29
                    TIME SHIFT OF PEAK FLOW         (min)= 46.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1396

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 12 - 100Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)    3.940     0.867      3.23      58.49
   OUTFLOW: ID= 1 (  0405)    3.940     0.122      3.93      54.73
   OVERFLOW:ID= 3 (  0003)    0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 14.07
                    TIME SHIFT OF PEAK FLOW         (min)= 42.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1554

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 13 - 2Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)    3.940     0.240      6.23      20.06
   OUTFLOW: ID= 1 (  0405)    3.940     0.004     12.30      16.82
   OVERFLOW:ID= 3 (  0003)    0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  1.84
                    TIME SHIFT OF PEAK FLOW         (min)=364.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0687

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 14 - 5Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)    3.940     0.373      6.23      30.31
   OUTFLOW: ID= 1 (  0405)    3.940     0.017      8.50      26.14
   OVERFLOW:ID= 3 (  0003)    0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  4.53
                    TIME SHIFT OF PEAK FLOW         (min)=136.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0901

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 15 - 10Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)    3.940     0.461      6.23      37.66
   OUTFLOW: ID= 1 (  0405)    3.940     0.034      7.53      33.30
   OVERFLOW:ID= 3 (  0003)    0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00
```

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                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  7.29
                    TIME SHIFT OF PEAK FLOW          (min)= 78.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1035

------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 16 - 25Y12H.STM **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.595      6.23      47.43
   OUTFLOW: ID= 1 (  0405)      3.940     0.062      7.10      42.95
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.44
                    TIME SHIFT OF PEAK FLOW          (min)= 52.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1226

------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 17 - 50Y12H.STM **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.691      6.23      55.07
   OUTFLOW: ID= 1 (  0405)      3.940     0.089      6.97      50.53
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.86
                    TIME SHIFT OF PEAK FLOW          (min)= 44.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1374

------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 18 - 100Y12H.STM **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.788      6.23      62.82
   OUTFLOW: ID= 1 (  0405)      3.940     0.116      6.90      58.23
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 14.77
                    TIME SHIFT OF PEAK FLOW          (min)= 40.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.1524

------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 19 - 2Y24H.STM **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.244     12.23      24.76
   OUTFLOW: ID= 1 (  0405)      3.940     0.006     16.77      19.24
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.66
                    TIME SHIFT OF PEAK FLOW          (min)=272.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0723

------------------------------------------------------------------------------
**************************************
** SIMULATION:Run 20 - 5Y24H.STM **
**************************************
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.0040      0.0680
                         0.0010     0.0040   |   0.0180      0.0920
                         0.0010     0.0060   |   0.0520      0.1170
                         0.0010     0.0080   |   0.0990      0.1430
                         0.0010     0.0100   |   0.1510      0.1710
                         0.0020     0.0140   |   0.2910      0.2000
                         0.0020     0.0160   |   0.6100      0.2300
                         0.0020     0.0230   |   1.2720      0.2620
                         0.0030     0.0250   |   2.1030      0.2940
                         0.0030     0.0460   |   4.7500      0.3640

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.384     12.23      37.67
   OUTFLOW: ID= 1 (  0405)      3.940     0.023     14.43      31.61
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
```

CUMULATIVE TIME OF OVERFLOW (HOURS) = 0.00
PERCENTAGE OF TIME OVERFLOWING (%) = 0.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.98
TIME SHIFT OF PEAK FLOW (min)=132.00
MAXIMUM STORAGE USED (ha.m.)= 0.0956

****
** SIMULATION:Run 21 - 10Y24H.STM **
****

RESERVOIR(0405)		IN= 2---> OUT= 1		DT= 2.0 min		OVERFLOW IS ON			
	OUTFLOW (cms)	STORAGE (ha.m.)		OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000		0.0040	0.0680
	0.0010	0.0040		0.0180	0.0920
	0.0010	0.0060		0.0520	0.1170
	0.0010	0.0080		0.0990	0.1430
	0.0010	0.0100		0.1510	0.1710
	0.0020	0.0140		0.2910	0.2000
	0.0020	0.0160		0.6100	0.2300
	0.0020	0.0230		1.2720	0.2620
	0.0030	0.0250		2.1030	0.2940
	0.0030	0.0460		4.7500	0.3640

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0913)	3.940	0.476	12.23	46.91
OUTFLOW: ID= 1 (0405)	3.940	0.044	13.27	40.63
OVERFLOW:ID= 3 (0003)	0.000	0.000	0.00	0.00

TOTAL NUMBER OF SIMULATION OVERFLOW = 0
CUMULATIVE TIME OF OVERFLOW (HOURS) = 0.00
PERCENTAGE OF TIME OVERFLOWING (%) = 0.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 9.33
TIME SHIFT OF PEAK FLOW (min)= 62.00
MAXIMUM STORAGE USED (ha.m.)= 0.1114

****
** SIMULATION:Run 22 - 25Y24H.STM **
****

RESERVOIR(0405)		IN= 2---> OUT= 1		DT= 2.0 min		OVERFLOW IS ON			
	OUTFLOW (cms)	STORAGE (ha.m.)		OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000		0.0040	0.0680
	0.0010	0.0040		0.0180	0.0920
	0.0010	0.0060		0.0520	0.1170
	0.0010	0.0080		0.0990	0.1430
	0.0010	0.0100		0.1510	0.1710
	0.0020	0.0140		0.2910	0.2000
	0.0020	0.0160		0.6100	0.2300
	0.0020	0.0230		1.2720	0.2620
	0.0030	0.0250		2.1030	0.2940
	0.0030	0.0460		4.7500	0.3640

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0913)	3.940	0.618	12.23	59.18
OUTFLOW: ID= 1 (0405)	3.940	0.080	12.97	52.68
OVERFLOW:ID= 3 (0003)	0.000	0.000	0.00	0.00

TOTAL NUMBER OF SIMULATION OVERFLOW = 0
CUMULATIVE TIME OF OVERFLOW (HOURS) = 0.00
PERCENTAGE OF TIME OVERFLOWING (%) = 0.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 13.01
TIME SHIFT OF PEAK FLOW (min)= 44.00
MAXIMUM STORAGE USED (ha.m.)= 0.1327

****
** SIMULATION:Run 23 - 50Y24H.STM **
****

RESERVOIR(0405)		IN= 2---> OUT= 1		DT= 2.0 min		OVERFLOW IS ON			
	OUTFLOW (cms)	STORAGE (ha.m.)		OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000		0.0040	0.0680
	0.0010	0.0040		0.0180	0.0920
	0.0010	0.0060		0.0520	0.1170
	0.0010	0.0080		0.0990	0.1430
	0.0010	0.0100		0.1510	0.1710
	0.0020	0.0140		0.2910	0.2000
	0.0020	0.0160		0.6100	0.2300
	0.0020	0.0230		1.2720	0.2620
	0.0030	0.0250		2.1030	0.2940
	0.0030	0.0460		4.7500	0.3640

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0913)	3.940	0.719	12.23	68.78
OUTFLOW: ID= 1 (0405)	3.940	0.111	12.87	62.15
OVERFLOW:ID= 3 (0003)	0.000	0.000	0.00	0.00

TOTAL NUMBER OF SIMULATION OVERFLOW = 0
CUMULATIVE TIME OF OVERFLOW (HOURS) = 0.00
PERCENTAGE OF TIME OVERFLOWING (%) = 0.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 15.42
TIME SHIFT OF PEAK FLOW (min)= 38.00
MAXIMUM STORAGE USED (ha.m.)= 0.1494

****
** SIMULATION:Run 24 - 100Y24H.STM **
****

RESERVOIR(0405)		IN= 2---> OUT= 1		DT= 2.0 min		OVERFLOW IS ON			
	OUTFLOW (cms)	STORAGE (ha.m.)		OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000		0.0040	0.0680
	0.0010	0.0040		0.0180	0.0920
	0.0010	0.0060		0.0520	0.1170
	0.0010	0.0080		0.0990	0.1430
	0.0010	0.0100		0.1510	0.1710
	0.0020	0.0140		0.2910	0.2000
	0.0020	0.0160		0.6100	0.2300
	0.0020	0.0230		1.2720	0.2620
	0.0030	0.0250		2.1030	0.2940
	0.0030	0.0460		4.7500	0.3640

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0913)	3.940	0.822	12.23	78.53
OUTFLOW: ID= 1 (0405)	3.940	0.142	12.83	71.79
OVERFLOW:ID= 3 (0003)	0.000	0.000	0.00	0.00

TOTAL NUMBER OF SIMULATION OVERFLOW = 0
CUMULATIVE TIME OF OVERFLOW (HOURS) = 0.00
PERCENTAGE OF TIME OVERFLOWING (%) = 0.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 17.32
TIME SHIFT OF PEAK FLOW (min)= 36.00
MAXIMUM STORAGE USED (ha.m.)= 0.1663

****
** SIMULATION:Run 25 - 25MMCHI **
****

RESERVOIR(0405)		IN= 2---> OUT= 1		DT= 2.0 min		OVERFLOW IS ON			
	OUTFLOW (cms)	STORAGE (ha.m.)		OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000		0.0040	0.0680
	0.0010	0.0040		0.0180	0.0920
	0.0010	0.0060		0.0520	0.1170
	0.0010	0.0080		0.0990	0.1430
	0.0010	0.0100		0.1510	0.1710
	0.0020	0.0140		0.2910	0.2000
	0.0020	0.0160		0.6100	0.2300
	0.0020	0.0230		1.2720	0.2620
	0.0030	0.0250		2.1030	0.2940
	0.0030	0.0460		4.7500	0.3640

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0913)	3.940	0.136	1.50	9.15
OUTFLOW: ID= 1 (0405)	3.940	0.003	2.43	8.89
OVERFLOW:ID= 3 (0003)	0.000	0.000	0.00	0.00

```
                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.21
                    TIME SHIFT OF PEAK FLOW         (min)= 56.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0325

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 26 - 12.5 mm **
**********
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   0.0040      0.0680
                           0.0010     0.0040   |   0.0180      0.0920
                           0.0010     0.0060   |   0.0520      0.1170
                           0.0010     0.0080   |   0.0990      0.1430
                           0.0010     0.0100   |   0.1510      0.1710
                           0.0020     0.0140   |   0.2910      0.2000
                           0.0020     0.0160   |   0.6100      0.2300
                           0.0020     0.0230   |   1.2720      0.2620
                           0.0030     0.0250   |   2.1030      0.2940
                           0.0030     0.0460   |   4.7500      0.3640

                                 AREA     QPEAK     TPEAK       R.V.
                                 (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.074      1.50       3.92
   OUTFLOW: ID= 1 (  0405)      3.940     0.002      4.13       3.66
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.60
                    TIME SHIFT OF PEAK FLOW         (min)=158.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0137

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 27 - HAZEL.STM **
**********
--------------------
| RESERVOIR(  0405)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                           0.0000     0.0000   |   0.0040      0.0680
                           0.0010     0.0040   |   0.0180      0.0920
                           0.0010     0.0060   |   0.0520      0.1170
                           0.0010     0.0080   |   0.0990      0.1430
                           0.0010     0.0100   |   0.1510      0.1710
                           0.0020     0.0140   |   0.2910      0.2000
                           0.0020     0.0160   |   0.6100      0.2300
                           0.0020     0.0230   |   1.2720      0.2620
                           0.0030     0.0250   |   2.1030      0.2940
                           0.0030     0.0460   |   4.7500      0.3640

                                 AREA     QPEAK     TPEAK       R.V.
                                 (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0913)      3.940     0.446     10.00      141.94
   OUTFLOW: ID= 1 (  0405)      3.940     0.375     10.23      136.86
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00        0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 84.03
                    TIME SHIFT OF PEAK FLOW         (min)= 14.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.2079

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SWM Facility #2

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	SWM Facility #2 Volume Table	NAME	LB
		PAGE	1 OF 5

Base of Pond Elevation 290.00

Top of Pond Elevation 292.00

		Areas		Volumes	
Elevation (masl)	Depth (m)	Area (m^2)	Average Area (m^2)	Volume (m^3)	Cumulative Volume (m^3)
290.00	0.00	**4,299**	4,299	-	-
290.10	0.10	4,436	4,367	437	437
290.20	0.20	4,572	4,504	450	887
290.30	0.30	4,708	4,640	464	1,351
290.40	0.40	4,844	4,776	478	1,829
290.50	0.50	4,981	4,913	491	2,320
290.60	0.60	5,117	5,049	505	2,825
290.70	0.70	5,253	5,185	519	3,343
290.80	0.80	5,390	5,321	532	3,876
290.90	0.90	5,526	5,458	546	4,421
291.00	1.00	5,662	5,594	559	4,981
291.10	1.10	5,798	5,730	573	5,554
291.20	1.20	5,935	5,867	587	6,140
291.30	1.30	6,071	6,003	600	6,741
291.40	1.40	6,207	6,139	614	7,355
291.50	1.50	6,344	6,275	628	7,982
291.60	1.60	6,480	6,412	641	8,623
291.70	1.70	6,616	6,548	655	9,278
291.80	1.80	6,752	6,684	668	9,947
291.90	1.90	6,889	6,820	682	10,629
292.00	2.00	**7,025**	6,957	696	11,324

Note: Bolded values have been measured directly in Civil 3D

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	SWM Facility #2 Discharge Table	NAME	LB
		PAGE	2 OF 5

Stage Discharge Table

Outlet Control #1		**Outlet Control #2**		**Emergency Control**	
Orifice Plate #1		Weir		Emergency Spillway	
Orifice Dia. (mm)	125	Bottom Width of Weir	0.60	Bottom Width of Weir (m)	14.9
Orifice Invert (m)	290.00	Weir Sill Elevation	290.55	Weir Sill Elevation (m)	291.4
Orifice Area (m)	0.012	Weir Constant	1.700	Weir Constant	Varies
Orifice Coef.	0.63	Side Slope	0	Side Slope	10:1
For shaded cells calculations refer to the partially full orifice calculation sheet		For shaded cells refer to SWM Facility #2 Weir Calculation Sheet		For shaded cells refer to SWM Facility #2 Emergency Spillway Calculation Sheet	

	Outlet Control #1		Outlet Control #2				
Elevation (masl)	**Head (m)**	**Discharge (m^3/s)**	**Head (m)**	**Discharge (m^3/s)**	**Emergency Spillway (m^3/s)**	**Hydraulic Control**	**Total Discharge (m^3/s)**
290.00	0.00	0.000	0.00	0.000	0.000	Orifice Plate #1	0.000
290.10	0.04	0.005	0.00	0.000	0.000	Orifice Plate #1	0.005
290.20	0.14	0.013	0.00	0.000	0.000	Orifice Plate #1	0.013
290.30	0.24	0.017	0.00	0.000	0.000	Orifice Plate #1	0.017
290.40	0.34	0.020	0.00	0.000	0.000	Orifice Plate #1	0.020
290.50	0.44	0.023	0.00	0.000	0.000	Orifice Plate #1	0.023
290.60	0.54	0.025	0.05	0.011	0.000	Orifice Plate #1	0.036
290.70	0.64	0.027	0.15	0.059	0.000	Weir	0.086
290.80	0.74	0.029	0.25	0.128	0.000	Weir	0.157
290.90	0.84	0.031	0.35	0.211	0.000	Weir	0.242
291.00	0.94	0.033	0.45	0.308	0.000	Weir	0.341
291.10	1.04	0.035	0.55	0.416	0.000	Weir	0.451
291.20	1.14	0.037	0.65	0.535	0.000	Weir	0.572
291.30	1.24	0.038	0.75	0.663	0.000	Weir	0.701
291.40	1.34	0.040	0.85	0.799	0.000	Weir	0.839
291.50	1.44	0.041	0.95	0.944	0.719	Weir	1.704
291.60	1.54	0.042	1.05	1.097	2.252	Emergency Spillway	3.391
291.70	1.64	0.044	1.15	1.258	4.445	Emergency Spillway	5.747
291.80	1.74	0.045	1.25	1.425	7.252	Emergency Spillway	8.722
291.90	1.84	0.046	1.35	1.600	10.665	Emergency Spillway	12.311
292.00	1.94	0.048	1.45	1.781	14.688	Emergency Spillway	16.517

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	SWM Facility #2 Stage Storage Discharge Table	NAME	LB
		PAGE	3 OF 5

Stage Storage Table

Elevation (masl)	Outlet Control#1 Discharge (m^3/s)	Outlet Control #2 Discharge (m^3/s)	Emergency Spillway (m^3/s)	Hydraulic Control	Total Discharge (m^3/s)	Total Volume (m^3)
290.00	0.000	0.000	0.000	Orifice Plate #1	0.000	-
290.10	0.005	0.000	0.000	Orifice Plate #1	0.005	0.044
290.20	0.013	0.000	0.000	Orifice Plate #1	0.013	0.089
290.30	0.017	0.000	0.000	Orifice Plate #1	0.017	0.135
290.40	0.020	0.000	0.000	Orifice Plate #1	0.020	0.183
290.50	0.023	0.000	0.000	Orifice Plate #1	0.023	0.232
290.60	0.025	0.011	0.000	Orifice Plate #1	0.036	0.282
290.70	0.027	0.059	0.000	Weir	0.086	0.334
290.80	0.029	0.128	0.000	Weir	0.157	0.388
290.90	0.031	0.211	0.000	Weir	0.242	0.442
291.00	0.033	0.308	0.000	Weir	0.341	0.498
291.10	0.035	0.416	0.000	Weir	0.451	0.555
291.20	0.037	0.535	0.000	Weir	0.572	0.614
291.30	0.038	0.663	0.000	Weir	0.701	0.674
291.40	0.040	0.799	0.000	Weir	0.839	0.735
291.50	0.041	0.944	0.694	Weir	1.704	0.798
291.60	0.042	1.097	2.175	Emergency Spillway	3.391	0.862
291.70	0.044	1.258	4.300	Emergency Spillway	5.747	0.928
291.80	0.045	1.425	7.025	Emergency Spillway	8.722	0.995
291.90	0.046	1.600	10.345	Emergency Spillway	12.311	1.063
292.00	0.048	1.781	14.264	Emergency Spillway	16.517	1.132

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Partially Full Orifice Control - Outlet Control #1	NAME	LB
		PAGE	4 OF 5

Primary Orifice Control - for Pipes Flowing Full or Partially Full

Orifice Equation

Q = C x A x (2gH)^0.5

Q = flow rate (m^3)

C = constant

A = area of opening (m^2)

H = net head on the orifice

g = Acceleration due to gravity

Orifice Constant (C): **0.63**

Depth Increment (m): **0.1**

Minimum Elevation (Invert of Control) (m): **290.00**

Maximum Elevation (Top of SWMF) (m): **292.00**

Control Features

Orifice Diameter (m): **0.125**

Mannings Value: **0.013**

Invert Elevation: **290.00**

Inlet Type: **2**

1 = Projecting

2 = Flush

Inlet Control Equation (Smith) Projecting Inlet

MMF Model y=(a*b+c*x^d)/(b+x^d)

Coefficient Data

a = 0.0168

b = 1.77

c = 3.06

d = 2.27

Inlet Control Equation (Smith)Flush Inlet

MMF Model y=(a*b+c*x^d)/(b+x^d)

Coefficient Data

a = -1.08E-03

b = 2.30E+00

c = 3.95

d = 2.08

Water Elevation	Depth from Min. Elevation	Pipe Partially Full Inlet Control Flow
m	m	m^3/s
290.00	0.00	
290.10	0.10	0.005
290.20	0.20	0.013
290.30	0.30	0.017
290.40	0.40	0.020
290.50	0.50	0.023
290.60	0.60	0.025
290.70	0.70	0.027
290.80	0.80	0.029
290.90	0.90	0.031
291.00	1.00	0.033
291.10	1.10	0.035
291.20	1.20	0.037
291.30	1.30	0.038
291.40	1.40	0.040
291.50	1.50	0.041
291.60	1.60	0.042
291.70	1.70	0.044
291.80	1.80	0.045
291.90	1.90	0.046
292.00	2.00	0.048

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	SWM Facility #2 Operating Characteristics	NAME	LB
		PAGE	5 OF 5

Operation Summary

4-Hour Chicago

STORM	Storage	Release Rate	Elevation
	m^3	m^3/s	m
25 mm	1,906	0.020	290.42
1:2-year	2,862	0.040	290.61
1:5-year	3,549	0.113	290.74
1:10-year	3,992	0.175	290.82
1:25-year	4,554	0.265	290.92
1:50-year	4,951	0.335	290.99
1:100-year	5,367	0.416	291.07

24-Hour SCS

STORM	Storage	Release Rate	Elevation
	m^3	m^3/s	m
1:2-year	3,241	0.076	290.68
1:5-year	4,224	0.211	290.86
1:10-year	4,873	0.321	290.98
1:25-year	5,683	0.478	291.12
1:50-year	6,307	0.607	291.23
1:100-year	6,925	0.740	291.33
Hazel	7,621	1.206	291.44

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	SWM Facility #2 Outlet Control #2	NAME	LB
		PAGE	1 OF 2

Rectangular Sharp Crested Weir

Source: Hydraulic Structures, C.D.Smith, University of Saskatchewan

Enter

W	Weir Bottom Width (m)	0.6
H	Head (m)	1.45
L	Weir Downstream Length	0.1
S	Side Slope (horizontal):1	0

Rectangular Weir $Q = CWH^{3/2}$

H/L 14.5

C 1.7

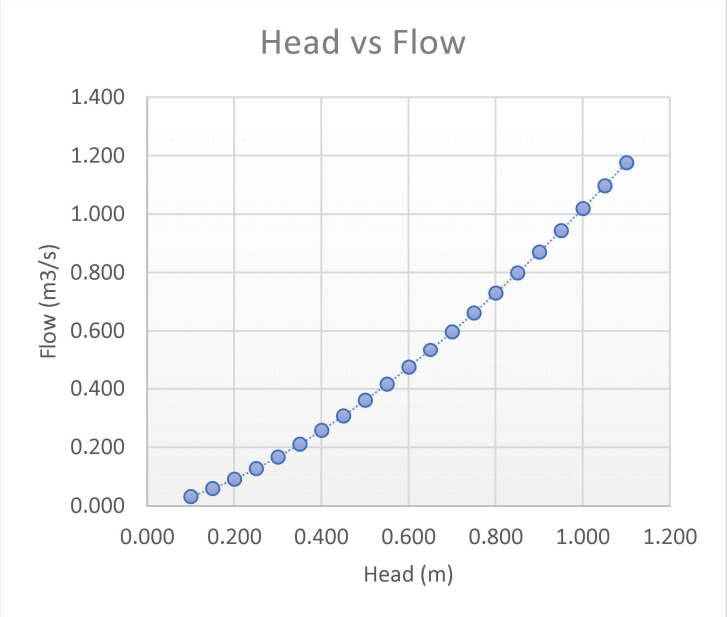
Result

Q Rectangular Weir Flow (m^3/s) 1.781

Q Total Flow (m^3/s) 1.781

Variable Head Spreadsheet

W	0.6		0	**Rectangle**
L	0.1			-1.04E+04
S	0			3.42E+06
				2.13E+06
				-2.35E+05
0.100	1.000	1.700	0.032	0.032
0.150	1.500	1.700	0.059	0.059
0.200	2.000	1.700	0.091	0.091
0.250	2.500	1.700	0.128	0.128
0.300	3.000	1.700	0.168	0.168
0.350	3.500	1.700	0.211	0.211
0.400	4.000	1.700	0.258	0.258
0.450	4.500	1.700	0.308	0.308
0.500	5.000	1.700	0.361	0.361
0.550	5.500	1.700	0.416	0.416
0.600	6.000	1.700	0.474	0.474
0.650	6.500	1.700	0.535	0.535
0.700	7.000	1.700	0.597	0.597
0.750	7.500	1.700	0.663	0.663
0.800	8.000	1.700	0.730	0.730
0.850	8.500	1.700	0.799	0.799
0.900	9.000	1.700	0.871	0.871
0.950	9.500	1.700	0.944	0.944
1.000	10.000	1.700	1.020	1.020
1.050	10.500	1.700	1.097	1.097
1.100	11.000	1.700	1.177	1.177
1.150	11.500	1.700	1.258	1.258
1.200	12.000	1.700	1.341	1.341
1.250	12.500	1.700	1.425	1.425
1.300	13.000	1.700	1.512	1.512
1.350	13.500	1.700	1.600	1.600
1.400	14.000	1.700	1.690	1.690
1.450	14.500	1.700	1.781	1.781



TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWM Facility #2 Emergency Spillway	NAME	LB
		PAGE	1 OF 2

Trapezoidal Broad Crested Weir

Source: Hydraulic Structures, C.D.Smith, University of Saskatchewan

Trapezoidal Weir

The trapezoidal weir is a combination of the rectangular weir and the triangular weir

Enter

W	Weir Bottom Width (m)	14.9
H	Head (m)	0.3
L	Weir Downstream Length	5
S	Side Slope (horizontal):1	10

Rectangular Weir $Q = CWH^{3/2}$

H/L 0.06

C 1.5329

Result

Q Rectangular Weir Flow (m^3/s) 3.7592

Triangular Weir $Q = CH^{5/2}\tan(\theta/2)$

Notch Angle (one side) 84.289 degrees

Notch Angle (one side) 1.4711 radians

$\tan(\theta/2)$ 10.00

Triangular H/L 0.06

C 1.097133

Result

Q Triangular Weir Flow (m^3/s) 0.5408

Total Rectangular + Triangular Weir

Q Total Flow (m^3/s) **4.30**

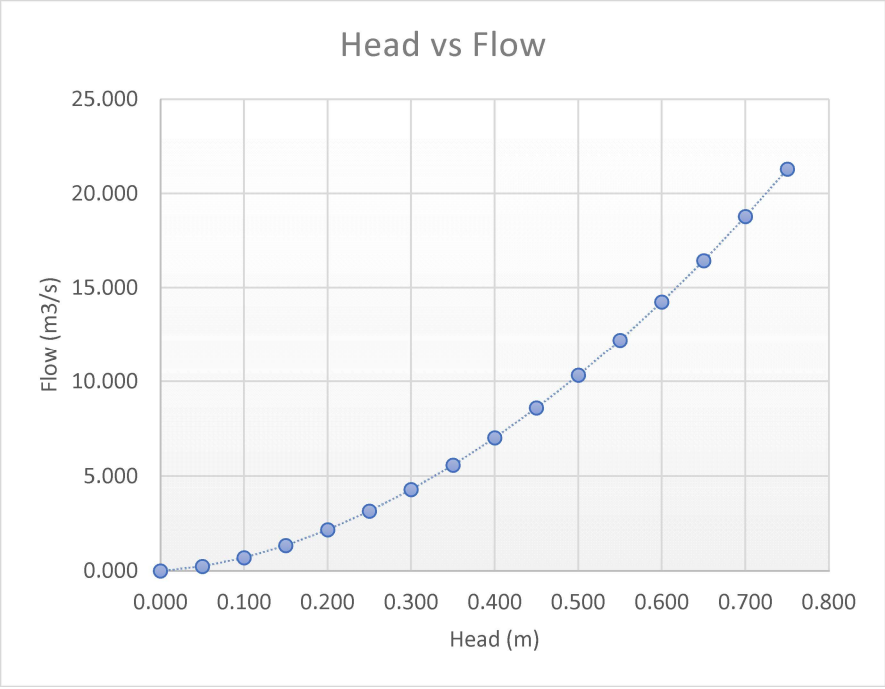
Peak Uncontrolled Flow from AddHyd 911 to be conveyed: 4.248 m^3

Variable Head Spreadsheet

W	14.92
L	5
S	10
Angle	1.471
$\tan(\theta/2)$	10.000

	Rectangle	Triangle
a	-1.04E+04	-1.01E-05
b	3.42E+06	1.44E+02
c	2.13E+06	1.15E+02
d	-2.35E+05	-4.77E+00

H	H/L	C Rectangle	C Triangle	Q Rectangle	Q Triangle	Total Q
0.000	0.000	1.400	1.050	0.000	0.000	0.000
0.050	0.010	1.400	1.050	0.234	0.006	0.239
0.100	0.020	1.400	1.050	0.661	0.033	0.694
0.150	0.030	1.446	1.050	1.254	0.091	1.346
0.200	0.040	1.489	1.050	1.987	0.188	2.175
0.250	0.050	1.515	1.070	2.826	0.334	3.160
0.300	0.060	1.533	1.097	3.759	0.541	4.300
0.350	0.070	1.546	1.118	4.778	0.810	5.589
0.400	0.080	1.557	1.134	5.878	1.148	7.025
0.450	0.090	1.565	1.147	7.052	1.558	8.610
0.500	0.100	1.573	1.158	8.298	2.047	10.345
0.550	0.110	1.579	1.167	9.611	2.618	12.229
0.600	0.120	1.584	1.174	10.989	3.275	14.264
0.650	0.130	1.589	1.181	12.430	4.023	16.453
0.700	0.140	1.594	1.187	13.930	4.866	18.797
0.750	0.150	1.598	1.192	15.490	5.807	21.297



```
************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      1.812      1.33      28.47
   OUTFLOW: ID= 1 (  0407)     11.190      0.040      4.00      28.27

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.20
                  TIME SHIFT OF PEAK FLOW         (min)=160.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.2862

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      2.445      1.33      39.66
   OUTFLOW: ID= 1 (  0407)     11.190      0.113      3.08      39.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  4.64
                  TIME SHIFT OF PEAK FLOW         (min)=105.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.3549

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      2.884      1.33      47.34
   OUTFLOW: ID= 1 (  0407)     11.190      0.175      2.67      47.14

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  6.05
                  TIME SHIFT OF PEAK FLOW         (min)= 80.00

                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.3992

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      3.428      1.33      57.12
   OUTFLOW: ID= 1 (  0407)     11.190      0.265      2.33      56.92

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  7.74
                  TIME SHIFT OF PEAK FLOW         (min)= 60.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.4554

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      3.839      1.33      64.16
   OUTFLOW: ID= 1 (  0407)     11.190      0.335      2.25      63.96

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  8.74
                  TIME SHIFT OF PEAK FLOW         (min)= 55.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.4951

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.3410      0.4980
                         0.0050     0.0440    |  0.4510      0.5550
                         0.0130     0.0890    |  0.5720      0.6140
                         0.0170     0.1350    |  0.7010      0.6740
                         0.0200     0.1830    |  0.8390      0.7350
                         0.0230     0.2320    |  1.7040      0.7980
                         0.0360     0.2820    |  3.3910      0.8620
                         0.0860     0.3340    |  5.7470      0.9280
                         0.1570     0.3880    |  8.7220      0.9950
                         0.2420     0.4420    | 16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      4.248      1.33      71.17
   OUTFLOW: ID= 1 (  0407)     11.190      0.416      2.08      70.97
```

```
                PEAK   FLOW   REDUCTION [Qout/Qin](%)=  9.79
                TIME SHIFT OF PEAK FLOW          (min)= 45.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.5367

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 07 - 2Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
                         0.2420     0.4420   |  16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      1.549      3.25      32.85
   OUTFLOW: ID= 1 (  0407)     11.190      0.062      5.25      32.66

                PEAK   FLOW   REDUCTION [Qout/Qin](%)=  4.02
                TIME SHIFT OF PEAK FLOW          (min)=120.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.3093

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 08 - 5Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
                         0.2420     0.4420   |  16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      2.247      3.25      47.18
   OUTFLOW: ID= 1 (  0407)     11.190      0.177      3.92      46.98

                PEAK   FLOW   REDUCTION [Qout/Qin](%)=  7.86
                TIME SHIFT OF PEAK FLOW          (min)= 40.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.4005

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 09 - 10Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
                         0.2420     0.4420   |  16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      2.713      3.25      56.75
   OUTFLOW: ID= 1 (  0407)     11.190      0.281      3.83      56.55

                PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.36
                TIME SHIFT OF PEAK FLOW          (min)= 35.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.4643

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 10 - 25Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
                         0.2420     0.4420   |  16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      3.312      3.25      69.11
   OUTFLOW: ID= 1 (  0407)     11.190      0.426      3.75      68.91

                PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.88
                TIME SHIFT OF PEAK FLOW          (min)= 30.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.5434

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 11 - 50Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
                         0.2420     0.4420   |  16.5170      1.1320

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0911)     11.190      3.764      3.25      78.41
   OUTFLOW: ID= 1 (  0407)     11.190      0.543      3.75      78.21

                PEAK   FLOW   REDUCTION [Qout/Qin](%)= 14.43
                TIME SHIFT OF PEAK FLOW          (min)= 30.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.6004

-------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 12 - 100Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.3410      0.4980
                         0.0050     0.0440   |   0.4510      0.5550
                         0.0130     0.0890   |   0.5720      0.6140
                         0.0170     0.1350   |   0.7010      0.6740
                         0.0200     0.1830   |   0.8390      0.7350
                         0.0230     0.2320   |   1.7040      0.7980
                         0.0360     0.2820   |   3.3910      0.8620
                         0.0860     0.3340   |   5.7470      0.9280
                         0.1570     0.3880   |   8.7220      0.9950
```

	0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	4.216	3.25	87.70
OUTFLOW: ID= 1 (0407)	11.190	0.663	3.67	87.50

PEAK FLOW REDUCTION [Qout/Qin](%)= 15.73
TIME SHIFT OF PEAK FLOW (min)= 25.00
MAXIMUM STORAGE USED (ha.m.)= 0.6566

****
** SIMULATION:Run 13 - 2Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	
0.0170	0.1350	0.7010	0.6740	
0.0200	0.1830	0.8390	0.7350	
0.0230	0.2320	1.7040	0.7980	
0.0360	0.2820	3.3910	0.8620	
0.0860	0.3340	5.7470	0.9280	
0.1570	0.3880	8.7220	0.9950	
0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	1.445	6.25	36.48
OUTFLOW: ID= 1 (0407)	11.190	0.064	8.25	36.28

PEAK FLOW REDUCTION [Qout/Qin](%)= 4.41
TIME SHIFT OF PEAK FLOW (min)=120.00
MAXIMUM STORAGE USED (ha.m.)= 0.3110

****
** SIMULATION:Run 14 - 5Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	
0.0170	0.1350	0.7010	0.6740	
0.0200	0.1830	0.8390	0.7350	
0.0230	0.2320	1.7040	0.7980	
0.0360	0.2820	3.3910	0.8620	
0.0860	0.3340	5.7470	0.9280	
0.1570	0.3880	8.7220	0.9950	
0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.053	6.25	51.24
OUTFLOW: ID= 1 (0407)	11.190	0.175	6.92	51.04

PEAK FLOW REDUCTION [Qout/Qin](%)= 8.53
TIME SHIFT OF PEAK FLOW (min)= 40.00
MAXIMUM STORAGE USED (ha.m.)= 0.3998

****
** SIMULATION:Run 15 - 10Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	
0.0170	0.1350	0.7010	0.6740	
0.0200	0.1830	0.8390	0.7350	
0.0230	0.2320	1.7040	0.7980	
0.0360	0.2820	3.3910	0.8620	
0.0860	0.3340	5.7470	0.9280	
0.1570	0.3880	8.7220	0.9950	
0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.459	6.25	61.19
OUTFLOW: ID= 1 (0407)	11.190	0.275	6.83	60.99

PEAK FLOW REDUCTION [Qout/Qin](%)= 11.17
TIME SHIFT OF PEAK FLOW (min)= 35.00
MAXIMUM STORAGE USED (ha.m.)= 0.4610

****
** SIMULATION:Run 16 - 25Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	
0.0170	0.1350	0.7010	0.6740	
0.0200	0.1830	0.8390	0.7350	
0.0230	0.2320	1.7040	0.7980	
0.0360	0.2820	3.3910	0.8620	
0.0860	0.3340	5.7470	0.9280	
0.1570	0.3880	8.7220	0.9950	
0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.983	6.25	73.87
OUTFLOW: ID= 1 (0407)	11.190	0.412	6.75	73.67

PEAK FLOW REDUCTION [Qout/Qin](%)= 13.82
TIME SHIFT OF PEAK FLOW (min)= 30.00
MAXIMUM STORAGE USED (ha.m.)= 0.5354

****
** SIMULATION:Run 17 - 50Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	
0.0170	0.1350	0.7010	0.6740	
0.0200	0.1830	0.8390	0.7350	
0.0230	0.2320	1.7040	0.7980	
0.0360	0.2820	3.3910	0.8620	
0.0860	0.3340	5.7470	0.9280	
0.1570	0.3880	8.7220	0.9950	
0.2420	0.4420	16.5170	1.1320	

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	3.378	6.25	83.47
OUTFLOW: ID= 1 (0407)	11.190	0.522	6.67	83.27

PEAK FLOW REDUCTION [Qout/Qin](%)= 15.46
TIME SHIFT OF PEAK FLOW (min)= 25.00
MAXIMUM STORAGE USED (ha.m.)= 0.5899

****
** SIMULATION:Run 18 - 100Y12H.STM **
****

RESERVOIR(0407) / IN= 2---> OUT= 1 / DT= 5.0 min	OVERFLOW IS OFF			
OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)	
0.0000	0.0000	0.3410	0.4980	
0.0050	0.0440	0.4510	0.5550	
0.0130	0.0890	0.5720	0.6140	

0.0170	0.1350	0.7010	0.6740
0.0200	0.1830	0.8390	0.7350
0.0230	0.2320	1.7040	0.7980
0.0360	0.2820	3.3910	0.8620
0.0860	0.3340	5.7470	0.9280
0.1570	0.3880	8.7220	0.9950
0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	3.770	6.25	92.99
OUTFLOW: ID= 1 (0407)	11.190	0.640	6.50	92.79

PEAK FLOW REDUCTION [Qout/Qin](%)= 16.97
TIME SHIFT OF PEAK FLOW (min)= 15.00
MAXIMUM STORAGE USED (ha.m.)= 0.6458

**** SIMULATION:Run 19 - 2Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.3410	0.4980
	0.0050	0.0440	0.4510	0.5550
	0.0130	0.0890	0.5720	0.6140
	0.0170	0.1350	0.7010	0.6740
	0.0200	0.1830	0.8390	0.7350
	0.0230	0.2320	1.7040	0.7980
	0.0360	0.2820	3.3910	0.8620
	0.0860	0.3340	5.7470	0.9280
	0.1570	0.3880	8.7220	0.9950
	0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	1.431	12.25	43.40
OUTFLOW: ID= 1 (0407)	11.190	0.076	13.33	43.20

PEAK FLOW REDUCTION [Qout/Qin](%)= 5.33
TIME SHIFT OF PEAK FLOW (min)= 65.00
MAXIMUM STORAGE USED (ha.m.)= 0.3241

**** SIMULATION:Run 20 - 5Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.3410	0.4980
	0.0050	0.0440	0.4510	0.5550
	0.0130	0.0890	0.5720	0.6140
	0.0170	0.1350	0.7010	0.6740
	0.0200	0.1830	0.8390	0.7350
	0.0230	0.2320	1.7040	0.7980
	0.0360	0.2820	3.3910	0.8620
	0.0860	0.3340	5.7470	0.9280
	0.1570	0.3880	8.7220	0.9950
	0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.043	12.25	61.20
OUTFLOW: ID= 1 (0407)	11.190	0.211	12.83	61.00

PEAK FLOW REDUCTION [Qout/Qin](%)= 10.33
TIME SHIFT OF PEAK FLOW (min)= 35.00
MAXIMUM STORAGE USED (ha.m.)= 0.4224

**** SIMULATION:Run 21 - 10Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.3410	0.4980
	0.0050	0.0440	0.4510	0.5550
	0.0130	0.0890	0.5720	0.6140
	0.0170	0.1350	0.7010	0.6740
	0.0200	0.1830	0.8390	0.7350
	0.0230	0.2320	1.7040	0.7980
	0.0360	0.2820	3.3910	0.8620
	0.0860	0.3340	5.7470	0.9280
	0.1570	0.3880	8.7220	0.9950
	0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.457	12.25	73.22
OUTFLOW: ID= 1 (0407)	11.190	0.321	12.75	73.02

PEAK FLOW REDUCTION [Qout/Qin](%)= 13.08
TIME SHIFT OF PEAK FLOW (min)= 30.00
MAXIMUM STORAGE USED (ha.m.)= 0.4873

**** SIMULATION:Run 22 - 25Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.3410	0.4980
	0.0050	0.0440	0.4510	0.5550
	0.0130	0.0890	0.5720	0.6140
	0.0170	0.1350	0.7010	0.6740
	0.0200	0.1830	0.8390	0.7350
	0.0230	0.2320	1.7040	0.7980
	0.0360	0.2820	3.3910	0.8620
	0.0860	0.3340	5.7470	0.9280
	0.1570	0.3880	8.7220	0.9950
	0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	2.984	12.25	88.55
OUTFLOW: ID= 1 (0407)	11.190	0.478	12.58	88.35

PEAK FLOW REDUCTION [Qout/Qin](%)= 16.01
TIME SHIFT OF PEAK FLOW (min)= 20.00
MAXIMUM STORAGE USED (ha.m.)= 0.5683

**** SIMULATION:Run 23 - 50Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 5.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	0.3410	0.4980
	0.0050	0.0440	0.4510	0.5550
	0.0130	0.0890	0.5720	0.6140
	0.0170	0.1350	0.7010	0.6740
	0.0200	0.1830	0.8390	0.7350
	0.0230	0.2320	1.7040	0.7980
	0.0360	0.2820	3.3910	0.8620
	0.0860	0.3340	5.7470	0.9280
	0.1570	0.3880	8.7220	0.9950
	0.2420	0.4420	16.5170	1.1320

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0911)	11.190	3.383	12.25	100.19
OUTFLOW: ID= 1 (0407)	11.190	0.607	12.50	99.99

PEAK FLOW REDUCTION [Qout/Qin](%)= 17.95
TIME SHIFT OF PEAK FLOW (min)= 15.00
MAXIMUM STORAGE USED (ha.m.)= 0.6307

**** SIMULATION:Run 24 - 100Y24H.STM ****

RESERVOIR(0407)	OVERFLOW IS OFF

```
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.3410      0.4980
                          0.0050     0.0440   |   0.4510      0.5550
                          0.0130     0.0890   |   0.5720      0.6140
                          0.0170     0.1350   |   0.7010      0.6740
                          0.0200     0.1830   |   0.8390      0.7350
                          0.0230     0.2320   |   1.7040      0.7980
                          0.0360     0.2820   |   3.3910      0.8620
                          0.0860     0.3340   |   5.7470      0.9280
                          0.1570     0.3880   |   8.7220      0.9950
                          0.2420     0.4420   |  16.5170      1.1320

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0911)     11.190     3.783     12.25      111.76
   OUTFLOW: ID= 1 (  0407)     11.190      0.740     12.50      111.56

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 19.56
                  TIME SHIFT OF PEAK FLOW          (min)= 15.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.6925

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**********
** SIMULATION:Run 25 - 25MMCHI **
**********
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.3410      0.4980
                          0.0050     0.0440   |   0.4510      0.5550
                          0.0130     0.0890   |   0.5720      0.6140
                          0.0170     0.1350   |   0.7010      0.6740
                          0.0200     0.1830   |   0.8390      0.7350
                          0.0230     0.2320   |   1.7040      0.7980
                          0.0360     0.2820   |   3.3910      0.8620
                          0.0860     0.3340   |   5.7470      0.9280
                          0.1570     0.3880   |   8.7220      0.9950
                          0.2420     0.4420   |  16.5170      1.1320

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0911)     11.190      0.849      1.50      18.81
   OUTFLOW: ID= 1 (  0407)     11.190      0.020      4.08      18.61

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  2.41
                  TIME SHIFT OF PEAK FLOW          (min)=155.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1906

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**********
** SIMULATION:Run 26 - 12.5 mm **
**********
--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.3410      0.4980
                          0.0050     0.0440   |   0.4510      0.5550
                          0.0130     0.0890   |   0.5720      0.6140
                          0.0170     0.1350   |   0.7010      0.6740
                          0.0200     0.1830   |   0.8390      0.7350
                          0.0230     0.2320   |   1.7040      0.7980
                          0.0360     0.2820   |   3.3910      0.8620
                          0.0860     0.3340   |   5.7470      0.9280
                          0.1570     0.3880   |   8.7220      0.9950
                          0.2420     0.4420   |  16.5170      1.1320

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0911)     11.190      0.401      1.50       8.89
   OUTFLOW: ID= 1 (  0407)     11.190      0.013      4.17       8.69

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  3.22
                  TIME SHIFT OF PEAK FLOW          (min)=160.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0885

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**********
** SIMULATION:Run 27 - HAZEL.STM **
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--------------------
| RESERVOIR(  0407)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.3410      0.4980
                          0.0050     0.0440   |   0.4510      0.5550
                          0.0130     0.0890   |   0.5720      0.6140
                          0.0170     0.1350   |   0.7010      0.6740
                          0.0200     0.1830   |   0.8390      0.7350
                          0.0230     0.2320   |   1.7040      0.7980
                          0.0360     0.2820   |   3.3910      0.8620
                          0.0860     0.3340   |   5.7470      0.9280
                          0.1570     0.3880   |   8.7220      0.9950
                          0.2420     0.4420   |  16.5170      1.1320

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0911)     11.190      1.474     10.00     183.35
   OUTFLOW: ID= 1 (  0407)     11.190      1.206     10.17     183.15

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 81.78
                  TIME SHIFT OF PEAK FLOW          (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.7621

--------------------------------------------------------------------------------
```

SWM Facility #3

```
************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)    2.750      0.464      1.33      29.45
   OUTFLOW: ID= 1 (  0406)    2.750      0.148      1.57      29.37
   OVERFLOW:ID= 3 (  0003)    0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 31.83
                  TIME SHIFT OF PEAK FLOW         (min)= 14.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0377
------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)    2.750      0.627      1.33      40.95
   OUTFLOW: ID= 1 (  0406)    2.750      0.223      1.53      40.87
   OVERFLOW:ID= 3 (  0003)    0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 35.51
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0488
------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)    2.750      0.739      1.33      48.83
   OUTFLOW: ID= 1 (  0406)    2.750      0.263      1.53      48.75
   OVERFLOW:ID= 3 (  0003)    0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 35.65
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0565
------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)    2.750      0.878      1.33      58.84
   OUTFLOW: ID= 1 (  0406)    2.750      0.300      1.53      58.76
   OVERFLOW:ID= 3 (  0003)    0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 34.18
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0672
------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)    2.750      0.982      1.33      66.03
   OUTFLOW: ID= 1 (  0406)    2.750      0.326      1.53      65.95
   OVERFLOW:ID= 3 (  0003)    0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 33.25
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0750
------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
```

```
                    0.0000     0.0000   |   0.2800      0.0610
                    0.0000     0.0000   |   0.3060      0.0690
                    0.0090     0.0080   |   0.3300      0.0760
                    0.0360     0.0150   |   0.3530      0.0840
                    0.0730     0.0230   |   0.3740      0.0920
                    0.1130     0.0310   |   0.3940      0.0990
                    0.1500     0.0380   |   0.4130      0.1070
                    0.2510     0.0530   |   0.4260      0.1120

                          AREA     QPEAK     TPEAK        R.V.
                          (ha)     (cms)     (hrs)        (mm)
 INFLOW : ID= 2 (  0210)      2.750      1.086      1.33      73.19
 OUTFLOW: ID= 1 (  0406)      2.750      0.352      1.53      73.11
 OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

              TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
              CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
              PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 32.36
              TIME SHIFT OF PEAK FLOW          (min)= 12.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.0836
```

```
**********
** SIMULATION:Run 07 - 2Y6H.STM **
**********
```

```
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
                          (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.2800      0.0610
                         0.0000     0.0000   |   0.3060      0.0690
                         0.0090     0.0080   |   0.3300      0.0760
                         0.0360     0.0150   |   0.3530      0.0840
                         0.0730     0.0230   |   0.3740      0.0920
                         0.1130     0.0310   |   0.3940      0.0990
                         0.1500     0.0380   |   0.4130      0.1070
                         0.2510     0.0530   |   0.4260      0.1120

                          AREA     QPEAK     TPEAK        R.V.
                          (ha)     (cms)     (hrs)        (mm)
 INFLOW : ID= 2 (  0210)      2.750      0.396      3.23      33.96
 OUTFLOW: ID= 1 (  0406)      2.750      0.179      3.37      33.88
 OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

              TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
              CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
              PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 45.08
              TIME SHIFT OF PEAK FLOW          (min)=  8.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.0424
```

```
**********
** SIMULATION:Run 08 - 5Y6H.STM **
**********
```

```
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
                          (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.2800      0.0610
                         0.0000     0.0000   |   0.3060      0.0690
                         0.0090     0.0080   |   0.3300      0.0760
                         0.0360     0.0150   |   0.3530      0.0840
                         0.0730     0.0230   |   0.3740      0.0920
                         0.1130     0.0310   |   0.3940      0.0990
                         0.1500     0.0380   |   0.4130      0.1070
                         0.2510     0.0530   |   0.4260      0.1120

                          AREA     QPEAK     TPEAK        R.V.
                          (ha)     (cms)     (hrs)        (mm)
 INFLOW : ID= 2 (  0210)      2.750      0.570      3.23      48.66
 OUTFLOW: ID= 1 (  0406)      2.750      0.266      3.33      48.58
 OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

              TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
              CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
              PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 46.69
              TIME SHIFT OF PEAK FLOW          (min)=  6.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.0574
```

```
**********
** SIMULATION:Run 09 - 10Y6H.STM **
**********
```

```
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
                          (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.2800      0.0610
                         0.0000     0.0000   |   0.3060      0.0690
                         0.0090     0.0080   |   0.3300      0.0760
                         0.0360     0.0150   |   0.3530      0.0840
                         0.0730     0.0230   |   0.3740      0.0920
                         0.1130     0.0310   |   0.3940      0.0990
                         0.1500     0.0380   |   0.4130      0.1070
                         0.2510     0.0530   |   0.4260      0.1120

                          AREA     QPEAK     TPEAK        R.V.
                          (ha)     (cms)     (hrs)        (mm)
 INFLOW : ID= 2 (  0210)      2.750      0.689      3.23      58.46
 OUTFLOW: ID= 1 (  0406)      2.750      0.303      3.33      58.38
 OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

              TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
              CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
              PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 44.00
              TIME SHIFT OF PEAK FLOW          (min)=  6.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.0683
```

```
**********
** SIMULATION:Run 10 - 25Y6H.STM **
**********
```

```
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
                          (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.2800      0.0610
                         0.0000     0.0000   |   0.3060      0.0690
                         0.0090     0.0080   |   0.3300      0.0760
                         0.0360     0.0150   |   0.3530      0.0840
                         0.0730     0.0230   |   0.3740      0.0920
                         0.1130     0.0310   |   0.3940      0.0990
                         0.1500     0.0380   |   0.4130      0.1070
                         0.2510     0.0530   |   0.4260      0.1120

                          AREA     QPEAK     TPEAK        R.V.
                          (ha)     (cms)     (hrs)        (mm)
 INFLOW : ID= 2 (  0210)      2.750      0.840      3.23      71.09
 OUTFLOW: ID= 1 (  0406)      2.750      0.349      3.33      71.01
 OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

              TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
              CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
              PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

              PEAK   FLOW   REDUCTION [Qout/Qin](%)= 41.50
              TIME SHIFT OF PEAK FLOW          (min)=  6.00
              MAXIMUM  STORAGE   USED       (ha.m.)=  0.0828
```

```
**********
** SIMULATION:Run 11 - 50Y6H.STM **
**********
```

```
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
                          (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.2800      0.0610
                         0.0000     0.0000   |   0.3060      0.0690
                         0.0090     0.0080   |   0.3300      0.0760
                         0.0360     0.0150   |   0.3530      0.0840
                         0.0730     0.0230   |   0.3740      0.0920
                         0.1130     0.0310   |   0.3940      0.0990
                         0.1500     0.0380   |   0.4130      0.1070
                         0.2510     0.0530   |   0.4260      0.1120
```

```
                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     0.953      3.23      80.57
   OUTFLOW: ID= 1 (  0406)      2.750     0.379      3.33      80.49
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 39.70
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0940

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 12 - 100Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.2800     0.0610
                         0.0000     0.0000    |   0.3060     0.0690
                         0.0090     0.0080    |   0.3300     0.0760
                         0.0360     0.0150    |   0.3530     0.0840
                         0.0730     0.0230    |   0.3740     0.0920
                         0.1130     0.0310    |   0.3940     0.0990
                         0.1500     0.0380    |   0.4130     0.1070
                         0.2510     0.0530    |   0.4260     0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     1.067      3.23      90.03
   OUTFLOW: ID= 1 (  0406)      2.750     0.408      3.37      89.95
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 38.24
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1053

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 13 - 2Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.2800     0.0610
                         0.0000     0.0000    |   0.3060     0.0690
                         0.0090     0.0080    |   0.3300     0.0760
                         0.0360     0.0150    |   0.3530     0.0840
                         0.0730     0.0230    |   0.3740     0.0920
                         0.1130     0.0310    |   0.3940     0.0990
                         0.1500     0.0380    |   0.4130     0.1070
                         0.2510     0.0530    |   0.4260     0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     0.370      6.23      37.69
   OUTFLOW: ID= 1 (  0406)      2.750     0.166      6.37      37.61
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 44.93
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0405

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 14 - 5Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.2800     0.0610
                         0.0000     0.0000    |   0.3060     0.0690
                         0.0090     0.0080    |   0.3300     0.0760
                         0.0360     0.0150    |   0.3530     0.0840
                         0.0730     0.0230    |   0.3740     0.0920
                         0.1130     0.0310    |   0.3940     0.0990
                         0.1500     0.0380    |   0.4130     0.1070
                         0.2510     0.0530    |   0.4260     0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     0.521      6.23      52.82
   OUTFLOW: ID= 1 (  0406)      2.750     0.252      6.33      52.74
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 48.29
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0533

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 15 - 10Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.2800     0.0610
                         0.0000     0.0000    |   0.3060     0.0690
                         0.0090     0.0080    |   0.3300     0.0760
                         0.0360     0.0150    |   0.3530     0.0840
                         0.0730     0.0230    |   0.3740     0.0920
                         0.1130     0.0310    |   0.3940     0.0990
                         0.1500     0.0380    |   0.4130     0.1070
                         0.2510     0.0530    |   0.4260     0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     0.625      6.23      63.00
   OUTFLOW: ID= 1 (  0406)      2.750     0.285      6.33      62.92
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 45.50
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0626

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 16 - 25Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.2800     0.0610
                         0.0000     0.0000    |   0.3060     0.0690
                         0.0090     0.0080    |   0.3300     0.0760
                         0.0360     0.0150    |   0.3530     0.0840
                         0.0730     0.0230    |   0.3740     0.0920
                         0.1130     0.0310    |   0.3940     0.0990
                         0.1500     0.0380    |   0.4130     0.1070
                         0.2510     0.0530    |   0.4260     0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750     0.756      6.23      75.95
   OUTFLOW: ID= 1 (  0406)      2.750     0.325      6.33      75.87
   OVERFLOW:ID= 3 (  0003)      0.000     0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
```

```
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 42.98
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0748

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 17 - 50Y12H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.2800     0.0610
                          0.0000     0.0000   |   0.3060     0.0690
                          0.0090     0.0080   |   0.3300     0.0760
                          0.0360     0.0150   |   0.3530     0.0840
                          0.0730     0.0230   |   0.3740     0.0920
                          0.1130     0.0310   |   0.3940     0.0990
                          0.1500     0.0380   |   0.4130     0.1070
                          0.2510     0.0530   |   0.4260     0.1120

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)     2.750     0.856      6.23      85.73
   OUTFLOW: ID= 1 (  0406)     2.750     0.353      6.33      85.65
   OVERFLOW:ID= 3 (  0003)     0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 41.27
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0843

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 18 - 100Y12H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.2800     0.0610
                          0.0000     0.0000   |   0.3060     0.0690
                          0.0090     0.0080   |   0.3300     0.0760
                          0.0360     0.0150   |   0.3530     0.0840
                          0.0730     0.0230   |   0.3740     0.0920
                          0.1130     0.0310   |   0.3940     0.0990
                          0.1500     0.0380   |   0.4130     0.1070
                          0.2510     0.0530   |   0.4260     0.1120

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)     2.750     0.954      6.23      95.42
   OUTFLOW: ID= 1 (  0406)     2.750     0.379      6.33      95.34
   OVERFLOW:ID= 3 (  0003)     0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 39.69
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0940

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************************************
** SIMULATION:Run 19 - 2Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.2800     0.0610
                          0.0000     0.0000   |   0.3060     0.0690
                          0.0090     0.0080   |   0.3300     0.0760
                          0.0360     0.0150   |   0.3530     0.0840
                          0.0730     0.0230   |   0.3740     0.0920
                          0.1130     0.0310   |   0.3940     0.0990
                          0.1500     0.0380   |   0.4130     0.1070
                          0.2510     0.0530   |   0.4260     0.1120

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)     2.750     0.366     12.23      44.79
   OUTFLOW: ID= 1 (  0406)     2.750     0.165     12.37      44.71
   OVERFLOW:ID= 3 (  0003)     0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 45.03
                    TIME SHIFT OF PEAK FLOW         (min)=  8.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0403

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************************************
** SIMULATION:Run 20 - 5Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.2800     0.0610
                          0.0000     0.0000   |   0.3060     0.0690
                          0.0090     0.0080   |   0.3300     0.0760
                          0.0360     0.0150   |   0.3530     0.0840
                          0.0730     0.0230   |   0.3740     0.0920
                          0.1130     0.0310   |   0.3940     0.0990
                          0.1500     0.0380   |   0.4130     0.1070
                          0.2510     0.0530   |   0.4260     0.1120

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)     2.750     0.518     12.23      63.01
   OUTFLOW: ID= 1 (  0406)     2.750     0.251     12.33      62.93
   OVERFLOW:ID= 3 (  0003)     0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 48.47
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0532

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************************************
** SIMULATION:Run 21 - 10Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.2800     0.0610
                          0.0000     0.0000   |   0.3060     0.0690
                          0.0090     0.0080   |   0.3300     0.0760
                          0.0360     0.0150   |   0.3530     0.0840
                          0.0730     0.0230   |   0.3740     0.0920
                          0.1130     0.0310   |   0.3940     0.0990
                          0.1500     0.0380   |   0.4130     0.1070
                          0.2510     0.0530   |   0.4260     0.1120

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)     2.750     0.623     12.23      75.28
   OUTFLOW: ID= 1 (  0406)     2.750     0.284     12.33      75.20
   OVERFLOW:ID= 3 (  0003)     0.000     0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 45.64
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0625

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************************************
** SIMULATION:Run 22 - 25Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.756     12.23      90.90
   OUTFLOW: ID= 1 (  0406)      2.750      0.326     12.33      90.82
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 43.07
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0749

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 23 - 50Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.856     12.23     102.74
   OUTFLOW: ID= 1 (  0406)      2.750      0.354     12.33     102.66
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 41.33
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0846

------------------------------------------------------------------------------
************************************
** SIMULATION:Run 24 - 100Y24H.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.956     12.23     114.49
   OUTFLOW: ID= 1 (  0406)      2.750      0.380     12.33     114.41
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 39.75
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0945

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********************************
** SIMULATION:Run 25 - 25MMCHI **
********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.211      1.53      19.50
   OUTFLOW: ID= 1 (  0406)      2.750      0.074      1.83      19.42
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 35.03
                  TIME SHIFT OF PEAK FLOW         (min)= 18.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0232

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********************************
** SIMULATION:Run 26 - 12.5 mm **
********************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |  0.2800      0.0610
                         0.0000     0.0000    |  0.3060      0.0690
                         0.0090     0.0080    |  0.3300      0.0760
                         0.0360     0.0150    |  0.3530      0.0840
                         0.0730     0.0230    |  0.3740      0.0920
                         0.1130     0.0310    |  0.3940      0.0990
                         0.1500     0.0380    |  0.4130      0.1070
                         0.2510     0.0530    |  0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.117      1.53       9.24
   OUTFLOW: ID= 1 (  0406)      2.750      0.028      1.93       9.16
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                  TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                  CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                  PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 23.66
                  TIME SHIFT OF PEAK FLOW         (min)= 24.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0128

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************************************
** SIMULATION:Run 27 - HAZEL.STM **
************************************
--------------------
| RESERVOIR(  0406)|     OVERFLOW IS ON
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
```

```
                        0.0000     0.0000   |   0.2800      0.0610
                        0.0000     0.0000   |   0.3060      0.0690
                        0.0090     0.0080   |   0.3300      0.0760
                        0.0360     0.0150   |   0.3530      0.0840
                        0.0730     0.0230   |   0.3740      0.0920
                        0.1130     0.0310   |   0.3940      0.0990
                        0.1500     0.0380   |   0.4130      0.1070
                        0.2510     0.0530   |   0.4260      0.1120

                              AREA     QPEAK     TPEAK       R.V.
                              (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0210)      2.750      0.370     10.00     186.98
   OUTFLOW: ID= 1 (  0406)      2.750      0.307     10.10     186.90
   OVERFLOW:ID= 3 (  0003)      0.000      0.000      0.00       0.00

                    TOTAL NUMBER OF SIMULATION OVERFLOW  =     0
                    CUMULATIVE TIME OF OVERFLOW  (HOURS) =  0.00
                    PERCENTAGE OF TIME OVERFLOWING   (%) =  0.00

                    PEAK   FLOW   REDUCTION [Qout/Qin](%)= 82.97
                    TIME SHIFT OF PEAK FLOW         (min)=  6.00
                    MAXIMUM  STORAGE   USED       (ha.m.)=  0.0820

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Stolp Pond

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************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     2.796      1.63      14.61
   OUTFLOW: ID= 1 (  0401)     94.390     0.880      2.77      14.60

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 31.47
                  TIME SHIFT OF PEAK FLOW         (min)= 68.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9104

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     4.363      1.60      22.28
   OUTFLOW: ID= 1 (  0401)     94.390     2.550      2.13      22.28

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 58.43
                  TIME SHIFT OF PEAK FLOW         (min)= 32.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9776

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     5.881      1.60      27.93
   OUTFLOW: ID= 1 (  0401)     94.390     4.003      1.97      27.92

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 68.07
                  TIME SHIFT OF PEAK FLOW         (min)= 22.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0364

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     7.658      1.57      35.46
   OUTFLOW: ID= 1 (  0401)     94.390     5.870      1.83      35.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 76.66
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1079

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     8.826      1.53      41.08
   OUTFLOW: ID= 1 (  0401)     94.390     7.154      1.80      41.08

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 81.06
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1575

------------------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    10.560      1.53      46.82
   OUTFLOW: ID= 1 (  0401)     94.390     8.767      1.73      46.81

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 83.02
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2191

------------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 07 - 2Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------       (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000    |   0.1520      0.8811
                         0.0810     0.2027    |   4.1260      1.0410
                         0.1150     0.4510    |   9.7950      1.2575
                         0.1410     0.7298    |  16.9200      1.4155
                         0.1460     0.7893    |   0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     3.227      3.47      17.53
   OUTFLOW: ID= 1 (  0401)     94.390     1.555      4.13      17.52

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 48.17
                  TIME SHIFT OF PEAK FLOW         (min)= 40.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9376

------------------------------------------------------------------------------------
```

```
**********************************
** SIMULATION:Run 08 - 5Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     5.655      3.43      27.80
   OUTFLOW: ID= 1 (  0401)     94.390     4.216      3.70      27.80

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 74.55
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0450

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 09 - 10Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     7.534      3.43      35.17
   OUTFLOW: ID= 1 (  0401)     94.390     6.229      3.60      35.16

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 82.68
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1217

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 10 - 25Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    10.072      3.40      45.12
   OUTFLOW: ID= 1 (  0401)     94.390     8.869      3.53      45.11

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 88.05
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2222

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 11 - 50Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    12.373      3.37      52.87
   OUTFLOW: ID= 1 (  0401)     94.390    11.456      3.50      52.86

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.58
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2959

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 12 - 100Y6H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    14.456      3.37      60.79
   OUTFLOW: ID= 1 (  0401)     94.390    13.741      3.47      60.78

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.06
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3452

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 13 - 2Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     3.060      6.50      20.03
   OUTFLOW: ID= 1 (  0401)     94.390     1.628      7.07      20.02

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 53.20
                  TIME SHIFT OF PEAK FLOW         (min)= 34.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9407

--------------------------------------------------------------------------------
**********************************
** SIMULATION:Run 14 - 5Y12H.STM **
**********************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     5.147      6.43      30.89
   OUTFLOW: ID= 1 (  0401)     94.390     4.049      6.70      30.88

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 78.67
                  TIME SHIFT OF PEAK FLOW         (min)= 16.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0380

--------------------------------------------------------------------------------
```

```
************************************
** SIMULATION:Run 15 - 10Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     6.767      6.43      38.70
   OUTFLOW: ID= 1 (  0401)     94.390     5.829      6.60      38.69

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 86.13
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1062

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 16 - 25Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     9.221      6.40      49.06
   OUTFLOW: ID= 1 (  0401)     94.390     8.377      6.53      49.05

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 90.85
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2035

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 17 - 50Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    10.878      6.40      57.17
   OUTFLOW: ID= 1 (  0401)     94.390    10.106      6.50      57.16

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.90
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2645

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 18 - 100Y12H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    13.007      6.37      65.38
   OUTFLOW: ID= 1 (  0401)     94.390    12.443      6.47      65.37

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.67
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3163

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 19 - 2Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     3.178     12.50      25.00
   OUTFLOW: ID= 1 (  0401)     94.390     1.962     12.97      24.96

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 61.74
                  TIME SHIFT OF PEAK FLOW         (min)= 28.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.9540

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 20 - 5Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     5.399     12.43      38.70
   OUTFLOW: ID= 1 (  0401)     94.390     4.594     12.63      38.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 85.09
                  TIME SHIFT OF PEAK FLOW         (min)= 12.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.0593

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 21 - 10Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   0.1520     0.8811
                          0.0810     0.2027   |   4.1260     1.0410
                          0.1150     0.4510   |   9.7950     1.2575
                          0.1410     0.7298   |  16.9200     1.4155
                          0.1460     0.7893   |   0.0000     0.0000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     7.245     12.47      48.52
   OUTFLOW: ID= 1 (  0401)     94.390     6.598     12.57      48.46

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 91.06
                  TIME SHIFT OF PEAK FLOW         (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.1356

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```

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************************************
** SIMULATION:Run 22 - 25Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     9.727     12.40      61.53
   OUTFLOW: ID= 1 (  0401)     94.390     9.018     12.53      61.47

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 92.71
                  TIME SHIFT OF PEAK FLOW          (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2288

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 23 - 50Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    11.447     12.40      71.68
   OUTFLOW: ID= 1 (  0401)     94.390    10.883     12.47      71.63

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 95.08
                  TIME SHIFT OF PEAK FLOW          (min)=  4.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2825

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 24 - 100Y24H.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    13.714     12.37      81.97
   OUTFLOW: ID= 1 (  0401)     94.390    13.192     12.47      81.92

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 96.20
                  TIME SHIFT OF PEAK FLOW          (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3335

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 25 - 25MMCHI **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     1.205      1.93       8.65
   OUTFLOW: ID= 1 (  0401)     94.390     0.133      4.93       8.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 11.05
                  TIME SHIFT OF PEAK FLOW          (min)=180.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.6457

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 26 - 12.5 mm **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390     0.500      1.93       3.42
   OUTFLOW: ID= 1 (  0401)     94.390     0.084      4.60       3.41

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 16.79
                  TIME SHIFT OF PEAK FLOW          (min)=160.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.2241

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 27 - HAZEL.STM **
************************************
--------------------
| RESERVOIR(  0401)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                         0.0000     0.0000   |   0.1520     0.8811
                         0.0810     0.2027   |   4.1260     1.0410
                         0.1150     0.4510   |   9.7950     1.2575
                         0.1410     0.7298   |  16.9200     1.4155
                         0.1460     0.7893   |   0.0000     0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0904)     94.390    10.021     10.17     148.34
   OUTFLOW: ID= 1 (  0401)     94.390     9.921     10.27     148.32

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 99.01
                  TIME SHIFT OF PEAK FLOW          (min)=  6.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2604

--------------------------------------------------------------------------------
```

Pond ‘A’

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************************************
** SIMULATION:Run 01 - CHI2YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     2.490      1.33      14.98
   OUTFLOW: ID= 1 (  4011)    122.340     0.712      1.57      14.98

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 28.62
                  TIME SHIFT OF PEAK FLOW         (min)= 14.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.1613

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 02 - CHI5YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     3.368      1.33      22.63
   OUTFLOW: ID= 1 (  4011)    122.340     0.980      3.53      22.63

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 29.11
                  TIME SHIFT OF PEAK FLOW         (min)=132.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.8020

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 03 - CHI10YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     4.650      1.93      28.24
   OUTFLOW: ID= 1 (  4011)    122.340     1.066      3.73      28.24

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 22.92
                  TIME SHIFT OF PEAK FLOW         (min)=108.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.3643

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 04 - CHI25YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     6.879      1.83      35.70
   OUTFLOW: ID= 1 (  4011)    122.340     1.151      4.03      35.70

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 16.74
                  TIME SHIFT OF PEAK FLOW         (min)=132.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.1437

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 05 - CHI50YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     8.375      1.77      41.25
   OUTFLOW: ID= 1 (  4011)    122.340     1.207      4.10      41.25

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 14.41
                  TIME SHIFT OF PEAK FLOW         (min)=140.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.7393

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 06 - CHI100YR.stm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340    10.275      1.73      46.92
   OUTFLOW: ID= 1 (  4011)    122.340     1.253      4.13      46.92

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.19
                  TIME SHIFT OF PEAK FLOW         (min)=144.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.3687

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 07 - 2Y6H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                                AREA     QPEAK     TPEAK       R.V.
                                (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0905)    122.340     2.179      3.23      17.89
```

```
   OUTFLOW: ID= 1 (  4011)    122.340      0.843      4.97      17.89

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 38.68
                  TIME SHIFT OF PEAK FLOW          (min)=104.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.3583

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 08 - 5Y6H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     4.926      3.70      28.10
   OUTFLOW: ID= 1 (  4011)    122.340     1.054      5.17      28.10

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 21.41
                  TIME SHIFT OF PEAK FLOW          (min)= 88.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  1.2907

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 09 - 10Y6H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     7.198      3.60      35.39
   OUTFLOW: ID= 1 (  4011)    122.340     1.140      5.30      35.39

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 15.83
                  TIME SHIFT OF PEAK FLOW          (min)=102.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.0161

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 10 - 25Y6H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    10.217      3.53      45.22
   OUTFLOW: ID= 1 (  4011)    122.340     1.230      5.50      45.22

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 12.04
                  TIME SHIFT OF PEAK FLOW          (min)=118.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.0279

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 11 - 50Y6H.STM **
```

```
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    13.143      3.47      52.87
   OUTFLOW: ID= 1 (  4011)    122.340     1.285      5.63      52.87

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  9.77
                  TIME SHIFT OF PEAK FLOW          (min)=130.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.8385

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 12 - 100Y6H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    15.653      3.47      60.68
   OUTFLOW: ID= 1 (  4011)    122.340     1.337      5.77      60.68

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  8.54
                  TIME SHIFT OF PEAK FLOW          (min)=138.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  4.6736

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 13 - 2Y12H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     2.074      6.23      20.38
   OUTFLOW: ID= 1 (  4011)    122.340     0.844      7.90      20.38

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 40.67
                  TIME SHIFT OF PEAK FLOW          (min)=100.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.3629

--------------------------------------------------------------------------------
**********
** SIMULATION:Run 14 - 5Y12H.STM **
**********
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
```

	0.9700	0.7330	13.2200	8.4900
	1.1000	1.5914	15.5500	8.8270
	1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	4.702	6.70	31.15
OUTFLOW: ID= 1 (4011)	122.340	1.043	8.07	31.15

PEAK FLOW REDUCTION [Qout/Qin](%)= 22.17
TIME SHIFT OF PEAK FLOW (min)= 82.00
MAXIMUM STORAGE USED (ha.m.)= 1.2119

****
** SIMULATION:Run 15 - 10Y12H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	6.721	6.60	38.88
OUTFLOW: ID= 1 (4011)	122.340	1.127	8.27	38.88

PEAK FLOW REDUCTION [Qout/Qin](%)= 16.77
TIME SHIFT OF PEAK FLOW (min)=100.00
MAXIMUM STORAGE USED (ha.m.)= 1.8813

****
** SIMULATION:Run 16 - 25Y12H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	9.614	6.53	49.11
OUTFLOW: ID= 1 (4011)	122.340	1.214	8.50	49.11

PEAK FLOW REDUCTION [Qout/Qin](%)= 12.62
TIME SHIFT OF PEAK FLOW (min)=118.00
MAXIMUM STORAGE USED (ha.m.)= 2.8117

****
** SIMULATION:Run 17 - 50Y12H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	11.591	6.50	57.11
OUTFLOW: ID= 1 (4011)	122.340	1.265	8.63	57.11

PEAK FLOW REDUCTION [Qout/Qin](%)= 10.92
TIME SHIFT OF PEAK FLOW (min)=128.00
MAXIMUM STORAGE USED (ha.m.)= 3.5541

****
** SIMULATION:Run 18 - 100Y12H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	14.270	6.47	65.21
OUTFLOW: ID= 1 (4011)	122.340	1.317	8.73	65.21

PEAK FLOW REDUCTION [Qout/Qin](%)= 9.23
TIME SHIFT OF PEAK FLOW (min)=136.00
MAXIMUM STORAGE USED (ha.m.)= 4.3227

****
** SIMULATION:Run 19 - 2Y24H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	2.214	12.97	25.30
OUTFLOW: ID= 1 (4011)	122.340	0.875	13.73	25.29

PEAK FLOW REDUCTION [Qout/Qin](%)= 39.50
TIME SHIFT OF PEAK FLOW (min)= 46.00
MAXIMUM STORAGE USED (ha.m.)= 0.4501

****
** SIMULATION:Run 20 - 5Y24H.STM **
****

RESERVOIR(4011)	OVERFLOW IS OFF
IN= 2---> OUT= 1	
DT= 2.0 min	

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	1.3300	4.5112
0.6400	0.0757	1.4200	6.4920
0.8200	0.2880	8.1600	7.9041
0.9700	0.7330	13.2200	8.4900
1.1000	1.5914	15.5500	8.8270
1.2200	2.8814	17.7000	8.9000

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0905)	122.340	5.299	12.63	38.85
OUTFLOW: ID= 1 (4011)	122.340	1.068	13.87	38.85

PEAK FLOW REDUCTION [Qout/Qin](%)= 20.16
TIME SHIFT OF PEAK FLOW (min)= 74.00
MAXIMUM STORAGE USED (ha.m.)= 1.3813

****
** SIMULATION:Run 21 - 10Y24H.STM **
****

```
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     7.557     12.57       48.55
   OUTFLOW: ID= 1 (  4011)    122.340     1.148     14.60       48.54

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 15.20
                  TIME SHIFT OF PEAK FLOW         (min)=122.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  2.1121

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 22 - 25Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    10.356     12.50       61.38
   OUTFLOW: ID= 1 (  4011)    122.340     1.238     14.77       61.38

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 11.95
                  TIME SHIFT OF PEAK FLOW         (min)=136.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.1474

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 23 - 50Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    12.550     12.47       71.40
   OUTFLOW: ID= 1 (  4011)    122.340     1.293     14.87       71.40

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 10.31
                  TIME SHIFT OF PEAK FLOW         (min)=144.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  3.9704

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 24 - 100Y24H.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    15.167     12.43       81.55
   OUTFLOW: ID= 1 (  4011)    122.340     1.344     14.97       81.55

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)=  8.86
                  TIME SHIFT OF PEAK FLOW         (min)=152.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  4.8245

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 25 - 25MMCHI **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     1.196      1.50        9.00
   OUTFLOW: ID= 1 (  4011)    122.340     0.591      1.63        9.00

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 49.46
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0700

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 26 - 12.5 mm **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340     0.678      1.50        3.65
   OUTFLOW: ID= 1 (  4011)    122.340     0.306      1.63        3.65

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 45.11
                  TIME SHIFT OF PEAK FLOW         (min)=  8.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.0362

--------------------------------------------------------------------------------
************************************
** SIMULATION:Run 27 - HAZEL.STM **
************************************
--------------------
| RESERVOIR(  4011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  2.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000     0.0000   |   1.3300      4.5112
                          0.6400     0.0757   |   1.4200      6.4920
                          0.8200     0.2880   |   8.1600      7.9041
                          0.9700     0.7330   |  13.2200      8.4900
                          1.1000     1.5914   |  15.5500      8.8270
                          1.2200     2.8814   |  17.7000      8.9000

                               AREA     QPEAK     TPEAK        R.V.
                               (ha)     (cms)     (hrs)        (mm)
   INFLOW : ID= 2 (  0905)    122.340    12.498     10.23      147.13
   OUTFLOW: ID= 1 (  4011)    122.340    10.466     11.10      147.13

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 83.75
                  TIME SHIFT OF PEAK FLOW         (min)= 52.00
```

MAXIMUM STORAGE USED (ha.m.)= 8.1714

Appendix F:
Water Quality Control

Proposed Water Quality Controls – Lovers Creek

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Water Quality Catchments - Lovers Creek	NAME	LB
		PAGE	1 OF 2

CATCHMENT 902 - To Outlet #2B

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	1.64	1.64	1.90	411	205	82	0		0.0
Pervious	1.79			(Not Contributed towards Volume Control Requirements)					
Total	**3.43**	**1.64**	**1.90**	**411**	**205**	**82**	**0**		**0.0**

CATCHMENT 903 - To Outlet #2B

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	0.27	0.27	1.90	68	34	14	239		87.5
Pervious	0.38			(Not Contributed towards Volume Control Requirements)				Infil	
Total	**0.65**	**0.27**	**1.90**	**68**	**34**	**14**	**239**		**87.5**

CATCHMENT 904 - To Outlet #2B

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Pervious	0.54			(Not Contributed towards Volume Control Requirements)				N/A	
Total	**0.54**	**0.00**	**-**	**0**	**0**	**0**	**-**		**-**

CATCHMENT 908 - To Outlet #2

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Pervious	2.15			(Not Contributed towards Volume Control Requirements)				N/A	
Total	**2.15**	**0.00**	**-**	**0**	**0**	**0**	**-**		**-**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Water Quality Catchments - Lovers Creek	NAME	LB
		PAGE	2 OF 2

CATCHMENT 909 - To Outlet #2									
Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	2.18	2.18	1.69	544	272	109	272	Infil.	12.5
Pervious	0.54			(Not Contributed towards Volume Control Requirements)					
Total	**2.72**	**2.18**	**1.69**	**544**	**272**	**109**	**272**		**12.5**

SUBWATERSHED TOTAL									
Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	4.09	4.09	3.59	1023	511	205	511	Infil.	12.5
Pervious	5.40			(Not Contributed towards Volume Control Requirements)					
Total	**9.49**	**4.09**	**3.59**	**1023**	**511**	**205**	**511**		**12.5**

Provided Runoff Volume Control Measures

	Infiltration Volume Provided (m^3)
Catchment 903	
Bio Retention Cell:	240
Catchment 909	
U/G Infiltration	272
Total	512

TATHAM ENGINEERING

Water Quality Requirements

Project Details

15 Harvie Road	421487

Prepared By

LB	03-14-2022

Water Quality Sizing Criteria

Methodology & Data Source	Volumetric water quality criteria as presented in Table 3.2 in Ministry of Environment, Conservation and Parks (MECP) Stormwater Management Planning & Design Manual (SWMPDM) March 2003.

Contributing Catchments

Catchment ID	Area (ha)	Impervious (%)
202	2.47	60.00%
206	0.65	42.00%
205	0.82	19.00%
Total	**3.94**	**48.5%**

Treatment Method Details

SWM Facility Type	Infiltration
Target Treatment Leve	Enhanced Level
Treatment Percentage	80%

Treatment

Water Quality Storage Requirement	111	m^3
Extended Detention Volume	111	m^3
Infiltration Volume Required	-	m^3
25 mm Storm Runoff Depth	9	mm
25 mm Storm Runoff Volume	360	m^3
Required Extended Detention Volume	360	m^3
Erosion Control Storage Required	-	m^3

Infiltration Volume Provided	628	**Provided** >	**Required**
Extended Detention Storage Provided	628	**Provided** >	**Required**
Active Storage Provided		**Provided** =	**Required**

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	SWM Facility #1 Forebay Design	NAME	LB
		PAGE	1 OF 1

Forebay design based on MECP Stormwater Management Planning and Design Manual (March 2003)

1) Settling

Dist = √(r*Qp/Vs)

Dist = Forebay length (m)
r = Length to width ratio = 2.8
Qp = 2yr SWM outflow - water quality (m^3/s) = 0.006
Vs = settling velocity for 0.15 mm particles (m/s = 0.0003

Dist = 7.5 m Actual forebay length = 32.5 m

2) Dispersion Length

Dist = 8*Q/(d*Vf)

Dist =Length of dispersion (m)
Q = 5 Yr max inlet flow (m^3/s) = 0.4
d = depth of permanent pool in forebay (m) = 1.00
Vf= desired velocity in forebay (m/s) = 0.50

Dist = 6.5 m Actual forebay length = 32.5 m

3) Cleanout Frequency

Cleanout = Vol/(load*Asew*eff.)

A_{sew} = contributing sewer area (ha) = 3.94
Actual Forebay Length (m) = 32.54
Imp = avg. percent Impervious (%) = 49%
load = sediment loading (m^3/ha) = 1.45
eff. = removal effciency (%) = 80%
Cleanout Freqency Target (Years) = 10
Vol = bottom 0.5 m volume (m^3) = 121

Cleanout = 26.5 years - therefore cleanout target is satisfied

Proposed Water Quality Controls – Barrie Creeks

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Water Quality Catchments - Whiskey Creek	NAME	LB
		PAGE	1 OF 2

CATCHMENT 901 - To Outlet #1B

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	6.05	6.05	0.00	1513	757	303	0		-
Pervious	2.92			(Not Contributed towards Volume Control Requirements)				N/A	
Total	**8.97**	**6.05**	**0.00**	**1513**	**757**	**303**	**0**		**-**

CATCHMENT 905 - To Outlet #1

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Pervious	3.60			(Not Contributed towards Volume Control Requirements)				N/A	
Total	**3.60**	**-**	**-**	**0**	**0**	**0**	**-**		**-**

CATCHMENT 906 - To Outlet #1

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	0.54	0.54	1.15	135	67	27	0		-
Pervious	0.56			(Not Contributed towards Volume Control Requirements)				N/A	
Total	**1.10**	**0.54**	**1.15**	**135**	**67**	**27**	**0**		**-**

CATCHMENT 907 - To Outlet #1

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	8.08	8.08	1.15	2020	1010	404	1834		22.7
Pervious	2.02			(Not Contributed towards Volume Control Requirements)				Infil.	
Total	**10.10**	**8.08**	**1.15**	**2020**	**1010**	**404**	**1834**		**22.7**

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-14-2022
SUBJECT	Water Quality Catchments - Whiskey Creek	NAME	LB
		PAGE	2 OF 2

SUBWATERSHED TOTAL

Land Use Category	Total Area	Total Impervious Area	Area Conveyed to LID Practice	25 mm Volume Target	12.5 mm Volume Target	5 mm Volume Target	Volume Controlled by Feature	Type of Control	Equiv. Rainfall Depth
	ha	ha	ha	m^3	m^3	m^3	m^3		mm
Impervious	14.67	14.67	1.15	3668	1834	734	1834	Infil.	12.5
Pervious	9.10			(Not Contributed towards Volume Control Requirements)					
Total	**23.77**	**14.67**	**1.15**	**3668**	**1834**	**734**	**1834**		**12.5**

Provided Runoff Volume Control Measures

	Infiltration Volume Provided (m^3)
Catchment 901	
U/G Infiltration	757
Catchment 909	
U/G Infiltration	1077
Total	1834

TATHAM ENGINEERING

Water Quality Requirements

Project Details

15 Harvie Road	421487

Prepared By

LB	03-11-2022

Water Quality Sizing Criteria

Methodology & Data Source	Volumetric water quality criteria as presented in Table 3.2 in Ministry of Environment, Conservation and Parks (MECP) Stormwater Management Planning & Design Manual (SWMPDM) March 2003.

Contributing Catchments

Catchment ID	Area (ha)	Impervious (%)
209	1.09	49.00%
210	10.10	80.00%
Total	**11.19**	**77.0%**

Treatment Method Details

SWM Facility Type	Dry Pond
Target Treatment Leve	Basic Level
Treatment Percentage	60%

Treatment

Water Quality Storage Requirement	2,417	m^3
Extended Detention Volume	2,417	m^3
Permanent Pool Volume Required	-	m^3
25 mm Storm Runoff Depth	19	mm
25 mm Storm Runoff Volume	2,105	m^3
Required Extended Detention Volume	2,417	m^3
Erosion Control Storage Required	3,637	m^3

Permanent Pool Volume Provided	N/A	**Provided > Required**	
Extended Detention Storage Provided	2,571	**Provided > Required**	
Active Storage Provided	11,324	**Provided > Required**	

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Orifice Drawdown Time - Water Q Req.	DESIGNED	LB
	SWM Facility #2	CHECKED	DRT

Drawdown Time, $t = \frac{2 A_p}{C A_o (2g)^{0.5}} (h_1^{0.5} - h_2^{0.5})$

where:

t = drawdown time (seconds)

A_p = surface area of pond (m^2)

c = discharge coefficient

A_o = cross-sectional area of orifices (m^2)

g = gravitational acceleration constant (9.81 m/s^2)

h_1 = starting water elevation above the orifice (m)

h_2 = ending water elevation above the orifice (m)

where:

A_p =	4653	m^2
c =	0.63	
A_o =	0.012	m^2
g =	9.81	m/s^2
h_1 =	0.39	
h_2 =	0.00	

t = 170794 seconds

t = 47.44 hours

Notes

Extended detention volume and corresponding elevation determined from MECP Quality Storage Sheet

Orifice Diameter	=	125	mm
Extended Detention	=	290.52	mm
Orifice Obvert	=	290.13	mm

Q = 0.022 m^3/s

Extended Detention Volume (per MECP): 2,417

◆ Verification Statement ◆ Verification Statement ◆ Verification Statement ◆

VERIFICATION STATEMENT

GLOBE Performance Solutions

Verifies the performance of

Jellyfish® Filter

Developed by Imbrium Systems, Inc.,
Whitby, Ontario, Canada

Registration: GPS-ETV_V2022-03-01

In accordance with

ISO 14034:2016

Environmental Management —
Environmental Technology Verification (ETV)

John D. Wiebe, PhD
Executive Chairman
GLOBE Performance Solutions

March 1, 2022
Vancouver, BC, Canada

Verification Body
GLOBE Performance Solutions
404 – 999 Canada Place | Vancouver, B.C | Canada |V6C 3E2

Technology description and application

The Jellyfish® Filter is an engineered stormwater quality treatment technology designed to remove a variety of stormwater pollutants including floatable trash and debris, oil, coarse and fine suspended sediments, and particulate-bound pollutants such as nutrients, heavy metals, and hydrocarbons. The Jellyfish Filter combines gravitational pre-treatment (sedimentation and floatation) and membrane filtration in a single compact structure. The system utilizes membrane filtration cartridges comprised of multiple detachable pleated filter elements ('filtration tentacles") that provide high filtration surface area with the associated advantages of high flow rate, high sediment capacity, and low filtration flux rate.

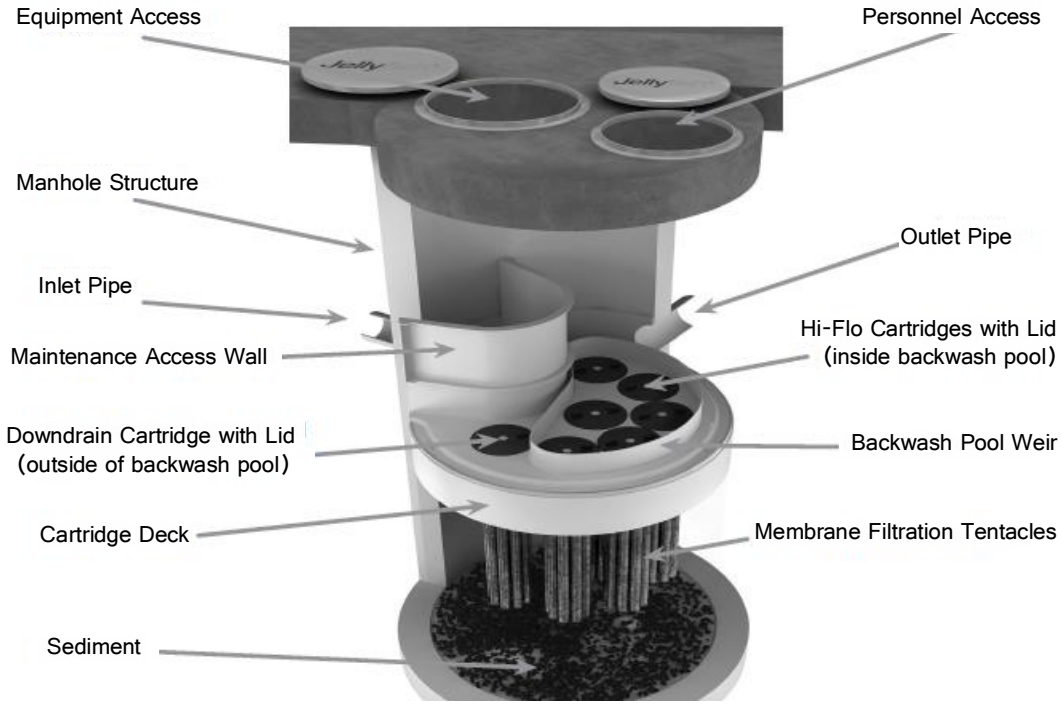


Figure 1. Cut-away graphic of a Jellyfish® Filter manhole with 6 hi-flo cartridges and 1 draindown cartridge

Figure 1 depicts a cut-away graphic of a typical 6-ft diameter Jellyfish® Filter manhole with 6 hi-flo cartridges and 1 draindown cartridge (JF6-6-1). Stormwater influent enters the system through the inlet pipe and builds a pond behind the maintenance access wall, with the pond elevation providing driving head. Flow is channeled downward into the lower chamber beneath the cartridge deck. A flexible separator skirt surrounds the filtration zone where the filtration tentacles of each cartridge are suspended, and the volume between the vessel wall and the outside surface of the separator skirt comprises a pre-treatment channel. As flow spreads throughout the pre-treatment channel, floatable pollutants accumulate at the surface of the pond behind the maintenance access wall and also beneath the cartridge deck in the pre-treatment channel, while coarse sediments settle to the sump. Flow proceeds under the separator skirt and upward into the filtration zone, entering each filtration tentacle and depositing fine suspended sediment and associated particulate-bound pollutants on the outside surface of the membranes. Filtered water proceeds up the center tube of each tentacle, with the flow from each tentacle combining under the cartridge lid, and discharging to the top of the cartridge deck through the cartridge lid orifice. Filtered effluent from the hi-flo cartridges enters a pool enclosed by a 15-cm high weir, and if storm intensity and resultant driving head is sufficient, filtered water overflows the weir and proceeds across the cartridge deck to the outlet pipe. Filtered effluent discharging from the draindown cartridge(s) passes directly to the outlet pipe, and requires only a minimal amount of driving head (2.5 cm) to provide forward flow. As

storm intensity subsides and driving head drops below 15 cm, filtered water within the backwash pool reverses direction and passes backward through the hi-flo cartridges, and thereby dislodges sediment from the membrane which subsequently settles to the sump below the filtration zone. During this passive backwashing process, water in the lower chamber is displaced only through the draindown cartridge(s). Additional self-cleaning processes include gravity, as well as vibrational pulses emitted when flow exits the orifice of each cartridge lid, and these combined processes significantly extend the cartridge service life and maintenance cleaning interval. Sediment removal from the sump by vacuum is required when sediment depths reach 30 cm, and cartridges are typically removed, externally rinsed, and recommissioned on an annual basis, or as site-specific maintenance conditions require. Filtration tentacle replacement is typically required every 3 – 5 years.

Performance conditions

The data and results published in this Verification Statement were obtained from the field testing conducted on a Jellyfish Filter JF6-6-1 (6-ft diameter manhole with 6 hi-flo cartridges and 1 draindown cartridge), in accordance with the requirements outlined by the Technical Guidance Manual for Evaluating Emerging Stormwater Treatment Technologies Technology Assessment Protocol – Ecology (TAPE) as written by the Washington State Department of Ecology, (WADOE, 2011). The drainage area providing stormwater runoff to the test unit was 86 acres and was 32% impervious. Throughout the monitoring period (March 2017 – April 2020), a total of 25 individual storm events were sampled. The Basic Treatment standard outlined in the TAPE requires ≥ 80% total suspended solids (TSS) removal at influent TSS concentrations ranging from 100 to 200 mg/L. In addition, the Phosphorus Treatment standard outlined in the TAPE requires ≥ 50% removal of total phosphorus (TP) at influent concentrations ranging from 0.10 to 0.5 mg/L. For this verification, the performance claim for TSS removal is for influent TSS concentration ≥ 100 mg/L, and the performance claim for TP removal is for influent TP concentration ≥ 0.1 mg/L. Based on these requirements, 15 and 18 sample pairs deemed qualified for evaluating the removal performance of TSS and TP, respectively. Prior to starting the performance testing program, a quality assurance project plan (QAPP) was submitted to and approved by the State of Washington Department of Ecology.

Table 1 shows the specified and achieved TAPE criteria for storm selection and sampling.

Table 1. Specified and achieved TAPE criteria for storm selection and sampling

Description	TAPE criteria value	Achieved value
Total rainfall	> 3.8 mm (0.15 in)	> 3.8 mm (0.15 in)[1]
Minimum inter-event period	6 hours	6 hours
Minimum flow-weighted composite sample storm coverage	Minimum 70% including as much of the first 20% of the storm	> 70%
Minimum influent/effluent samples	10, but a minimum of 5 subsamples for composite samples	10, except for two events that had 9 aliquots
Total sampled rainfall	N/A	8.29 in
Number of storms	Minimum 15 (preferably 20)	25

[1]N.B. Storm event depth was greater than the TAPE rainfall depth guideline of 0.15 inches for all events sampled, except for the 3/21/2017, 3/22/2019, 3/26/2019, and 04/13/2019 events. Given the size of the drainage basin, storm events below this threshold produced adequate runoff volume for sampling. Only two of these events were used to evaluate performance, and all had rainfall depths of 0.11 inches or greater. These events were included as their runoff volumes, precipitation durations, and influent TSS concentrations were all within range of the total data set.

The 6-ft diameter test unit has sedimentation surface area of 2.62 m^2 (28.26 ft^2). Each of the seven filter cartridges employed in the test unit uses filtration tentacles of 137 cm (54 in) length, with filter surface area of 35.4 m^2 (381 ft^2) per cartridge, and total filter surface area of 247.8 m^2 (2667 ft^2) for the seven cartridges combined. The design treatment flow rate is 5 L/s (80 gal/min) for each of the six hi-flo

cartridges and 2.5 L/s (40 gal/min) for the single draindown cartridge, for a total design treatment flow rate of 32.5 L/s (520 gal/min) at design driving head of 457 mm (18 in). This translates to a filtration flux rate (flow rate per unit filter surface area) of 0.14 L/s/m^2 (0.21 gal/min/ft^2) for each hi-flo cartridge and 0.07 L/s/m^2 (0.11 gal/min/ft^2) for the draindown cartridge. The design flow rate for each cartridge is controlled by the sizing of the orifice in the cartridge lid. The distance from the bottom of the filtration tentacles to the sump is 61 cm (24 in).

Performance claim(s)

The Jellyfish® Filter demonstrated the removal efficiencies indicated in **Table 2** for TSS and TP during field monitoring conducted in accordance with the Washington State Department of Ecology's Technology Assessment Protocol – Ecology (TAPE), and using the following design parameters:

- System hydraulic loading rate (system treatment flow rate per unit of sedimentation surface area) of 12.5 L/s/m^2 (18.4 gal/min/ft^2) or lower
- Filtration flux rate (flow rate per unit filter surface area) of 0.14 L/s/m^2 (0.21 gal/min/ft^2) or lower for each hi-flo cartridge and 0.07 L/s/m^2 (0.11 gal/min/ft^2) or lower for each draindown cartridge
- Distance from the bottom of the filtration tentacles to the sump of 61 cm (24 in) or greater
- Driving head of 457 mm (18 in) or greater

Table 2. Bootstrapped mean, median, and 95% confidence interval (median) for removal efficiencies of Total Suspended Solids (TSS) and Total Phosphorus (TP)

Parameter	Mean (%)	Median (%)	Median – 95% Lower Limit	Median – 95% Upper Limit
TSS [1]	87.6	90.1	85.1	91.6
TP [2]	77.3	77.5	70.8	85.6

[1] TSS influent concentration ≥ 100 mg/L
[2] TP influent concentration ≥ 0.1 mg/L

N.B. As with any field test of stormwater treatment devices, removal efficiencies will vary based on pollutant influent concentrations and other site-specific conditions.
The performance claims can be applied to other Jellyfish® Filter models smaller or larger than the tested model as long as the untested models are designed in accordance with the design parameters specified in the performance claims.

Performance results

Performance Claims – Removal Efficiency for Total Suspended Solids

Raw data summarizing the percent removal of total suspended solids (TSS) by the Jellyfish® Filter at the design system hydraulic loading rate of 12.5 L/s/m^2 (18.4 gal/min/ft^2) for 15 sample pairs deemed qualified are presented in **Table 3**. Data were analyzed and evaluated using a bootstrap approach of random sampling by replacement to estimate population distribution and thereby the upper and lower limit of the confidence interval.

Table 3. Raw data summarizing the percent removal of total suspended solids (TSS)

Event ID	TSS Influent (mg/L)	TSS Effluent (mg/L)	TSS Removal (%) (Inf ≥ 100 mg/L)
3/21/2017	102.0	22.0	78.4
4/7/2017	201.0	30.8	84.7
4/12/2017	108.0	24.4	77.4
4/19/2017	452.0	44.6	90.1
4/26/2017	257.0	10.0	96.1

6/15/2017	134.0	10.4	92.2
3/8/2018	755.0	47.2	93.8
3/14/2018	181.0	27.0	85.1
3/22/2018	224.0	20.0	91.1
4/5/2019	171.0	23.0	86.6
4/13/2019	117.0	25.0	78.6
5/18/2019	254.0	20.0	92.1
12/7/2019	200.0	17.0	91.5
3/30/2020	605.0	51.0	91.6
4/20/2020	210.0	29.0	86.2
n	15	15	15
Min	102.0	10.0	77.4
Max	755.0	51.0	96.1
Median	201.0	24.4	90.1
Mean	264.7	26.8	87.7
SD	190.9	12.3	5.9

Performance Claims – Removal Efficiency for Total Phosphorus

Raw data summarizing the percent removal of total phosphorus (TP) by the Jellyfish® Filter at the design system hydraulic loading rate of 12.5 L/s/m^2 (18.4 gal/min/ft^2) for 18 sample pairs deemed qualified are presented in **Table 4**. Data were analyzed and evaluated using a bootstrap approach of random sampling by replacement to estimate population distribution and thereby the upper and lower limit of the confidence interval.

Table 4. Raw data summarizing the percent removal of total phosphorus (TP)

Event ID	TP Influent (mg/L)	TP Effluent (mg/L)	TP Removal (%) (Inf ≥ 0.1 mg/L)
4/7/2017	0.706	0.092	87.0
4/12/2017	0.338	0.076	77.5
4/19/2017	0.500	0.036	92.8
4/26/2017	0.504	0.042	91.7
5/13/2017	0.256	0.110	57.0
6/8/2017	0.256	0.104	59.4
6/15/2017	0.362	0.052	85.6
3/8/2018	1.75	0.130	92.6
3/14/2018	0.652	0.094	85.6
3/22/2018	0.364	0.072	80.2
3/27/2019	0.226	0.070	69.1
4/5/2019	0.337	0.092	72.9
4/13/2019	0.249	0.087	65.1
5/18/2019	1.09	0.173	84.1
12/7/2019	0.335	0.105	68.7
12/19/2019	0.211	0.093	56.2
3/30/2020	1.05	0.092	91.2
4/20/2020	0.451	0.112	75.2
n	18	18	18
Min	0.211	0.036	56.2
Max	1.75	0.173	92.8
Median	0.363	0.092	78.9
Mean	0.535	0.091	77.3
SD	0.400	0.032	12.5

Verification

The verification was completed by the Verification Expert, the Centre for Advancement of Water and Wastewater Technologies ("CAWT"), contracted by GLOBE Performance Solutions, using the International Standard ***ISO 14034:2016 Environmental management -- Environmental technology verification (ETV)***. Data and information provided by Imbrium Systems to support the performance claim included the performance monitoring report "General Use Level Designation Technical Evaluation Report" prepared by CONTECH Engineered Solutions, Portland, OR, USA, and dated December 28, 2020. This report is based on a field testing completed by CONTECH personnel at a site in Dundee, Oregon between March 2017 and April 2020 in accordance with the Technical Guidance Manual for Evaluating Emerging Stormwater Treatment Technologies Technology Assessment Protocol – Ecology (TAPE) as written by the Washington State Department of Ecology (WADOE, 2011).

What is ISO14034:2016 Environmental management – Environmental technology verification (ETV)?

ISO 14034:2016 specifies principles, procedures and requirements for environmental technology verification (ETV) and was developed and published by the *International Organization for Standardization (ISO)*. The objective of ETV is to provide credible, reliable and independent verification of the performance of environmental technologies. An environmental technology is a technology that either results in an environmental added value or measures parameters that indicate an environmental impact. Such technologies have an increasingly important role in addressing environmental challenges and achieving sustainable development.

For more information on the Jellyfish® Filter please contact:

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Whitby, Ontario
L1N 3A9, Canada
Tel: 416-960-9900
info@imbriumsystems.com

For more information on ISO 14034:2016 / ETV please contact:

GLOBE Performance Solutions
404 – 999 Canada Place
Vancouver, BC
V6C 3E2, Canada
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etv@globeperformance.com
www.globeperformance.com

Limitation of verification - Registration: GPS-ETV_V2022-03-01
GLOBE Performance Solutions and the Verification Expert provide the verification services solely on the basis of the information supplied by the applicant or vendor and assume no liability thereafter. The responsibility for the information supplied remains solely with the applicant or vendor and the liability for the purchase, installation, and operation (whether consequential or otherwise) is not transferred to any other party as a result of the verification.

PROJECT	15 Harvie Road	FILE	419487
		DATE	03-14-2022
SUBJECT	Infiltration Feature Drawdown	NAME	LB
		PAGE	1 OF 1

To confirm the proposed infiltration features will fully drain within 48 hours (as per STEP LID guidelines) the following equation has been rearranged based on the maximum pond depth within each feature:

$$d_{r\,max} = i * t_s / V_r$$

Where:

$d_{r\,max}$ = Maximum stone reservoir depth (mm)
i = Infiltration rate for native soils (mm/hr)
V_r = Void space ratio for aggregate used (typically 0.4 for 50 mm clear stone)
t_s = Time to drain (design for 48 hour time to drain is recommended)

Bioretention Cell - SWM Facility #1

Base of Cell Elevation:	300.6		V_r =	0.4		
Max Ponding Elevation:	301.78		i =	50	mm/hr	
Max Ponding Depth:	1.18	m	i* =	20	mm/hr	*Design infiltration rate, applying a factor of safety of 2.5
	1,180	mm				

Therefore:

t_s = 9 hours (based on in-situ infiltration rate)
t_s = 24 hours (based on design infiltration rate)

Therefore, facility will drawdown less than 48 hours and is therefore sufficient

Infiltration Features - SWM Facility #3, Employment Blocks

Maximum Ponding Depth	1.5	m	V_r =	0.4		
	1,500	mm	i =	50	mm/hr	
			i* =	20	mm/hr	*Design infiltration rate, applying a factor of safety of 2.5

Therefore:

t_s = 12 hours (based on in-situ infiltration rate)
t_s = 30 hours (based on design infiltration rate)

Therefore, facility will drawdown less than 48 hours and is therefore sufficient

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Preliminary TSS Treatment Train Calculations	NAME	LB
		PAGE	1 OF 2

Developed Area to Outlet #1B - Enhanced Level Quality Control Required

Catchment ID	Catchment Area (ha)	Control: Jellyfish Filter	Control: Infiltration Feature	Control: OGS	Total Removal (%)	Notes
901	5.62	87%			87%	
	3.35		75%	60%	90%	

Developed Area to Outlet #1 - Enhanced Level Quality Control Required

Catchment ID	Catchment Area (ha)	Control: Infiltration Feature	Control: Dry Pond	Control: OGS	Total Removal (%)	Notes
906	1.10		60%		60%	
907	10.10	75%	60%	60%	96%	

Undeveloped/Pervious Areas - No Water Quality Controls Required

Catchment ID	Catchment Area (ha)	Total Removal (%)	Notes
905	3.60	0%	

Total Development Area Subject to Water Quality Controls (Barrie Creeks Subwatershed)

Catchment Area (ha)	Total Removal (%)	Notes
20.17	91%	

TATHAM ENGINEERING

PROJECT	15 Harvie Road	FILE	421487
		DATE	03-11-2022
SUBJECT	Preliminary TSS Treatment Train Calculations	NAME	LB
		PAGE	2 OF 2

Developed Area to Outlet #2B - Enhanced Level Quality Control Required

Catchment ID	Catchment Area (ha)	Control: Forebay/Wetland	Control: Bioretention Cell	Total Removal (%)	Notes
902	3.43	80%	75%	95%	
903	0.65	80%	75%	95%	

Developed Area to Outlet #2 - Enhanced Level Quality Control Required

Catchment ID	Catchment Area (ha)	Control: Infiltration Feature	Control: Jellyfish Filter	Total Removal (%)	Notes
909	2.72	75%	87%	97%	

Undeveloped/Pervious Areas - No Water Quality Controls Required

Catchment ID	Catchment Area (ha)	Total Removal (%)	Notes
904	0.54	0%	
908	2.15	0%	

Total Development Area Subject to Water Quality Controls (Lovers Creeks Subwatershed)

Catchment Area (ha)	Total Removal (%)	Notes
6.80	96%	

Appendix G: Preliminary Water Balance Assessment – Tatham Engineering Limited

Lovers Creek Preliminary Water Balance

TATHAM ENGINEERING

Water Budget
Climate Normal Data

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

Water Budget Details

Methodology	Thornthwaite Method
Climate Data & Source	Barrie WPCC Climate Normal Data for 1981 to 2010 (Environment Canada)
Thornthwaite Coefficient	1.081

Month	Temp (°C)	Precip (mm)	Heat Index	PET (mm)	Daylight Factor	Adjusted PET (mm)	AET (mm)	Surplus (mm)	Deficit (mm)
Jan.	-7.7	83	0.0	0.0	0.77	0.0	0.0	82.5	0.0
Feb.	-6.6	62	0.0	0.0	0.87	0.0	0.0	61.8	0.0
Mar.	-2.1	58	0.0	0.0	1.00	0.0	0.0	58.1	0.0
Apr.	5.6	62	1.2	28.3	1.12	31.8	31.8	30.4	0.0
May	12.3	82	3.9	75.2	1.23	92.7	82.4	0.0	10.3
Jun.	17.9	85	6.9	114.1	1.29	147.2	84.8	0.0	62.4
Jul.	20.8	77	8.7	135.7	1.26	171.3	77.2	0.0	94.1
Aug.	19.7	90	8.0	118.2	1.17	137.8	89.9	0.0	47.9
Sep.	15.3	94	5.4	77.9	1.04	81.2	81.2	12.8	0.0
Oct.	8.7	78	2.3	38.4	0.92	35.1	35.1	42.4	0.0
Nov.	2.7	89	0.4	9.2	0.80	7.4	7.4	81.5	0.0
Dec.	-3.5	74	0.0	0.0	0.74	0.0	0.0	73.6	0.0
Total	**-**	**933**	**36.8**	**597.1**	**-**	**704.6**	**489.8**	**443.1**	**214.8**

Additional Notes

PET = Potential Evapotranspiration; AET = Actual Evapotranspiration

Equations

$PET = 16\left(\frac{L}{12}\right)\left(\frac{N}{30}\right)\left(\frac{10T_d}{I}\right)^{\alpha}$ Where

PET is the estimated potential evapotranspiration (mm/month)

T_d is the average daily temperature (degrees Celsius; if this is negative, use 0) of the month being calculated

N is the number of days in the month being calculated

L is the average day length (hours) of the month being calculated

$\alpha = (6.75 \times 10^{-7})I^3 - (7.71 \times 10^{-5})I^2 + (1.792 \times 10^{-2})I + 0.49239$

$I = \sum_{i=1}^{12}\left(\frac{T_{m_i}}{5}\right)^{1.514}$ is a heat index which depends on the 12 monthly mean temperatures T_{m_i}.[1]

TATHAM ENGINEERING

Water Budget

Pre and Post Development Comparison

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

Pre-Development Catchment Details

Area (ha)	13.4
Pervious Area (ha)	12.7
Impervious Area (ha)	0.7

Post Development Catchment Details

Area (ha)	9.5
Pervious Area (ha)	5.4
Impervious Area (ha)	4.1

Infiltration Factor

Infiltration Factor	Pre-Development		Post Development	
	Pervious	Impervious	Pervious	Impervious
Topography	0.281	0.0	0.281	0.0
Soil	0.400	0.0	0.400	0.0
Land Cover	0.119	0.0	0.119	0.0
Infiltration Factor	0.800	0.0	0.800	0.0

Water Budget

Water Budget	Pervious	Impervious	Total	Pervious	Impervious	Total
Water Surplus (m^3)	56,356	2,968	59,325	23,880	18,121	42,001
Infiltration (m^3)	45,085	0	45,085	19,104	0	19,104
Runoff (m^3)	11,271	2,968	14,240	4,776	18,121	22,897
Reduction in Infiltration Volume (m^3)						**25,981**

Additional Notes

Infiltration Factors

Topography	Flat Land, average slope < 0.6 m/km	0.3
	Rolling Land, average slope 2.8 m to 3.8 m/km	0.2
	Hilly Land, average slope 28 m to 47 m/km	0.1
Soils	Tight impervious clay	0.1
	Medium combinations of clay and loam	0.2
	Open Sandy loam	0.4
Cover	Cultivated Land	0.1
	Woodland	0.2

(Stormwater Planning and Design Manual. MOE, 2003.)

TATHAM ENGINEERING

Water Budget

Mitigation Measures
LID Design

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

LID Design Details

LID Measure	Bioretention
Design Precipitation Depth (mm)	12.5
LID Drainage Area (ha)	1.92
Annual Average Captured (mm)	777.6
Annual Volume Captured (m^3)	14,929
Storage Volume Required (m^3)	240.0
Number of LIDs	1
Void Ratio	0.4
Footprint of LID (m^2)	600.00
Depth of LID (m)	1.00
Volume Required / LID (m^3)	240.00
Volume Provided / LID (m^3)	240.00

Additional Notes

TATHAM ENGINEERING

Water Budget

Mitigation Measures

LID Design

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

LID Design Details

LID Measure	Underground Storage
Design Precipitation Depth (mm)	12.5
LID Drainage Area (ha)	2.18
Annual Average Captured (mm)	777.6
Annual Volume Captured (m^3)	16,951
Storage Volume Required (m^3)	272.5
Number of LIDs	1
Void Ratio	0.4
Footprint of LID (m^2)	700.00
Depth of LID (m)	1.00
Volume Required / LID (m^3)	272.50
Volume Provided / LID (m^3)	280.00

Additional Notes

Barrie Creeks Preliminary Water Balance

TATHAM ENGINEERING

Water Budget
Climate Normal Data

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

Water Budget Details

Methodology	Thornthwaite Method
Climate Data & Source	Barrie WPCC Climate Normal Data for 1981 to 2010 (Environment Canada)
Thornthwaite Coefficient	1.081

Month	Temp (°C)	Precip (mm)	Heat Index	PET (mm)	Daylight Factor	Adjusted PET (mm)	AET (mm)	Surplus (mm)	Deficit (mm)
Jan.	-7.7	83	0.0	0.0	0.77	0.0	0.0	82.5	0.0
Feb.	-6.6	62	0.0	0.0	0.87	0.0	0.0	61.8	0.0
Mar.	-2.1	58	0.0	0.0	1.00	0.0	0.0	58.1	0.0
Apr.	5.6	62	1.2	28.3	1.12	31.8	31.8	30.4	0.0
May	12.3	82	3.9	75.2	1.23	92.7	82.4	0.0	10.3
Jun.	17.9	85	6.9	114.1	1.29	147.2	84.8	0.0	62.4
Jul.	20.8	77	8.7	135.7	1.26	171.3	77.2	0.0	94.1
Aug.	19.7	90	8.0	118.2	1.17	137.8	89.9	0.0	47.9
Sep.	15.3	94	5.4	77.9	1.04	81.2	81.2	12.8	0.0
Oct.	8.7	78	2.3	38.4	0.92	35.1	35.1	42.4	0.0
Nov.	2.7	89	0.4	9.2	0.80	7.4	7.4	81.5	0.0
Dec.	-3.5	74	0.0	0.0	0.74	0.0	0.0	73.6	0.0
Total	**-**	**933**	**36.8**	**597.1**	**-**	**704.6**	**489.8**	**443.1**	**214.8**

Additional Notes

PET = Potential Evapotranspiration; AET = Actual Evapotranspiration

Equations

$PET = 16\left(\frac{L}{12}\right)\left(\frac{N}{30}\right)\left(\frac{10T_d}{I}\right)^{\alpha}$ Where

PET is the estimated potential evapotranspiration (mm/month)

T_d is the average daily temperature (degrees Celsius; if this is negative, use 0) of the month being calculated

N is the number of days in the month being calculated

L is the average day length (hours) of the month being calculated

$\alpha = (6.75 \times 10^{-7})I^3 - (7.71 \times 10^{-5})I^2 + (1.792 \times 10^{-2})I + 0.49239$

$I = \sum_{i=1}^{12}\left(\frac{T_{m_i}}{5}\right)^{1.514}$ is a heat index which depends on the 12 monthly mean temperatures T_{m_i}.[1]

TATHAM ENGINEERING

Water Budget

Pre and Post Development Comparison

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

Pre-Development Catchment Details

Area (ha)	22.4
Pervious Area (ha)	21.0
Impervious Area (ha)	1.4

Post Development Catchment Details

Area (ha)	23.8
Pervious Area (ha)	9.1
Impervious Area (ha)	14.7

Infiltration Factor

Infiltration Factor	Pre-Development		Post Development	
	Pervious	Impervious	Pervious	Impervious
Topography	0.373	0.0	0.373	0.0
Soil	0.400	0.0	0.400	0.0
Land Cover	0.113	0.0	0.113	0.0
Infiltration Factor	0.886	0.0	0.886	0.0

Water Budget

Water Budget	Pervious	Impervious	Total	Pervious	Impervious	Total
Water Surplus (m^3)	93,085	5,981	99,066	40,318	64,996	105,313
Infiltration (m^3)	82,473	0	82,473	35,721	0	35,721
Runoff (m^3)	10,612	5,981	16,593	4,596	64,996	69,592
Reduction in Infiltration Volume (m^3)						**46,752**

Additional Notes

Infiltration Factors

Topography	Flat Land, average slope < 0.6 m/km	0.3
	Rolling Land, average slope 2.8 m to 3.8 m/km	0.2
	Hilly Land, average slope 28 m to 47 m/km	0.1
Soils	Tight impervious clay	0.1
	Medium combinations of clay and loam	0.2
	Open Sandy loam	0.4
Cover	Cultivated Land	0.1
	Woodland	0.2

(Stormwater Planning and Design Manual. MOE, 2003.)

TATHAM ENGINEERING

Water Budget

Mitigation Measures
LID Design

Project Details

Harvie Road Subdivision	421487

Prepared By

DRT/LB	03-24-2022

LID Design Details

LID Measure	Bioretention
Design Precipitation Depth (mm)	12.5
LID Drainage Area (ha)	14.67
Annual Average Captured (mm)	777.6
Annual Volume Captured (m^3)	114,067
Storage Volume Required (m^3)	1833.8
Number of LIDs	1
Void Ratio	0.4
Footprint of LID (m^2)	4600.00
Depth of LID (m)	1.00
Volume Required / LID (m^3)	1833.75
Volume Provided / LID (m^3)	1840.00

Additional Notes

Appendix H:
Phosphorous Mitigation Control

Lovers Creek Preliminary Phosphorous Assessment

Summary

post-development	15 Harvie Road - Lovers Creek	Proposed Condition	avg-annual	0.036	-0.135

These continuity errors represent the percent difference between initial storage+ total inflow for the entire drainage system versus final storage + total outflow for the entire drainage system. If the continuity error exceed some reasonable level, such as 10 percent, then the validity of the analysis results must be questioned. The most common reasons for an excessive continuity error are conduits that are too short, abrupt changes in storage (very small or very large storage areas), or flooding losses in the model (insufficient node depth).

Water Balance | Proposed Condition

Outlet #2	1	2.8 ha	944.7 mm	514.26 mm	255.72 mm	173.21 mm	771.49 mm
			26,451.6 m^3	14,399.27 m^3	7,160.11 m^3	4,850 m^3	81.66 %
Outlet #2B	2	4.08 ha	944.7 mm	185.89 mm	384.88 mm	1,455,882.35 mm	-1,454,937.65 mm
			38,543.76 m^3	7,584.24 m^3	15,703.23 m^3	59,400,000 m^3	-154,010.55 %
TOTAL		**6.88 ha**	**944.7 mm**	**319.53 mm**	**332.32 mm**	**863,442.59 mm**	**-862,497.89 mm**
			64,995.36 m^3	**21,983.51 m^3**	**22,863.35 m^3**	**59,404,850 m^3**	**-91,298.6 %**

Loading Summary TP | Proposed Condition

Outlet #2	Catchment 1	59.924 %	0.309 m^3/s	26,451.6 m^3	4,849 m^3
				0.207 mg/l	0.083 mg/l
				5.467 kg	0.402 kg
Outlet #2B	Catchment 2	99.993 %	245.874 m^3/s	38,543.76 m^3	59,373,206 m^3
				0.236 mg/l	0 mg/l
				9.114 kg	1.032 kg
	Total	**90.17 %**	**246.183 m^3/s**	**64,995.36 m^3**	**59,378,055 m^3**
				0.224 mg/l	**0 mg/l**
				14.582 kg	**1.433 kg**

Barrie Creeks Preliminary Phosphorous Assessment

Summary

post-development	15 Harvie Road - Barrie Creeks	Proposed Condition	avg-annual	0.029	-0.004

These continuity errors represent the percent difference between initial storage+ total inflow for the entire drainage system versus final storage + total outflow for the entire drainage system. If the continuity error exceed some reasonable level, such as 10 percent, then the validity of the analysis results must be questioned. The most common reasons for an excessive continuity error are conduits that are too short, abrupt changes in storage (very small or very large storage areas), or flooding losses in the model (insufficient node depth).

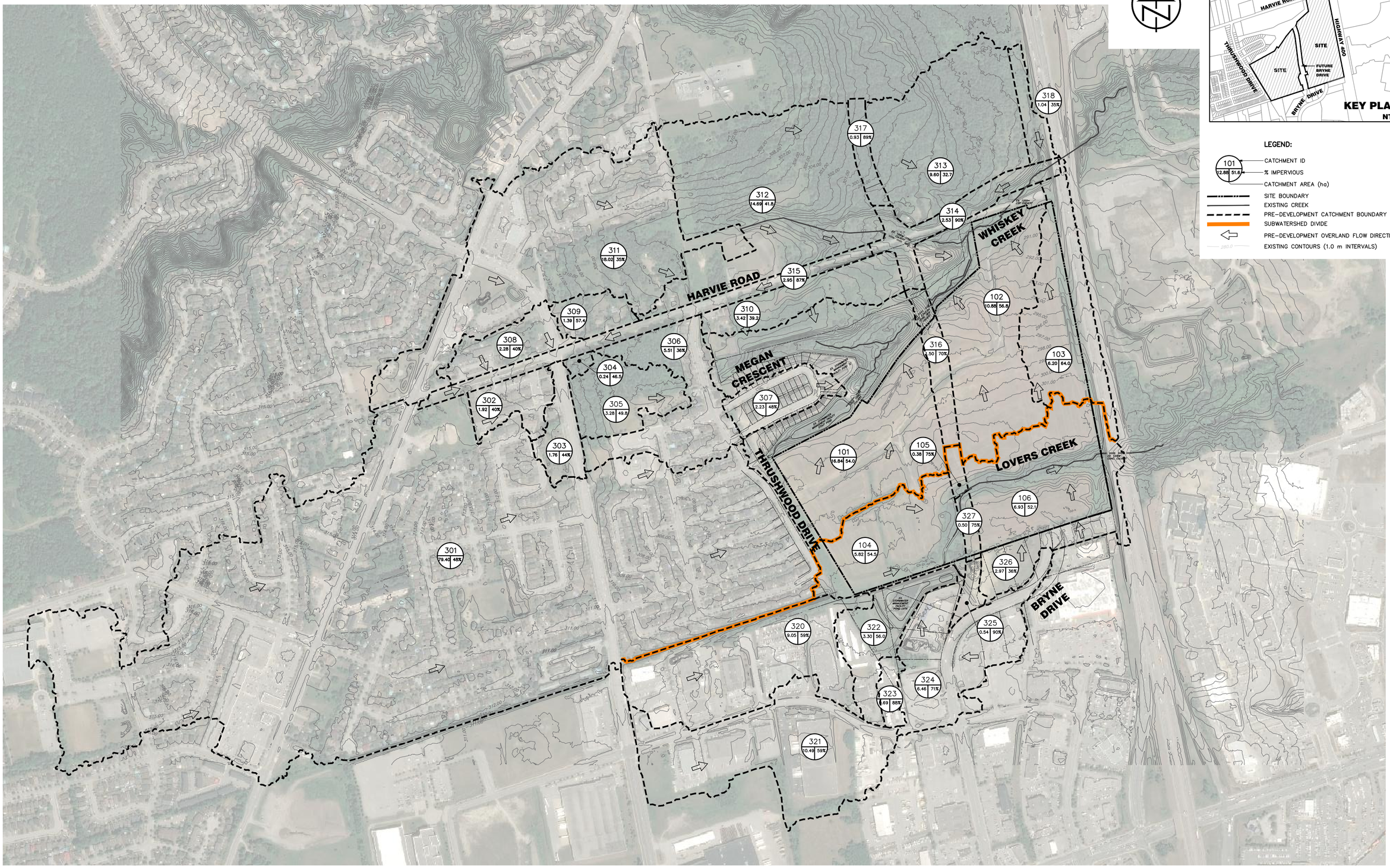
Water Balance | Proposed Condition

Outlet #1	1	11.24 ha	944.7 mm 106,203.17 m^3	555.33 mm 62,430.53 m^3	266.5 mm 29,959.39 m^3	201,921.37 mm 22,700,000 m^3	-200,976.67 mm -21,274.13 %
Outlet #1B	2	8.97 ha	944.7 mm 84,739.59 m^3	103.78 mm 9,309.07 m^3	298.76 mm 26,798.77 m^3	535,117.06 mm 48,000,000 m^3	-534,172.36 mm -56,544.13 %
TOTAL		**20.21 ha**	**944.7 mm** **190,942.76 m^3**	**354.94 mm** **71,739.59 m^3**	**280.81 mm** **56,758.16 m^3**	**349,792.2 mm** **70,700,000 m^3**	**-348,847.5 mm** **-36,926.8 %**

Loading Summary TP | Proposed Condition

Outlet #1	Catchment 1	99.971 %	186.989 m^3/s	106,203.174 m^3	22,722,755 m^3
				0.183 mg/l	0 mg/l
				19.423 kg	1.217 kg
Outlet #1B	Catchment 2	99.977 %	2.42 m^3/s	84,739.59 m^3	47,972,586 m^3
				0.203 mg/l	0 mg/l
				17.164 kg	2.26 kg
	Total	**90.496 %**	**189.409 m^3/s**	**190,942.764 m^3**	**70,695,341 m^3**
				0.192 mg/l	**0 mg/l**
				36.587 kg	**3.477 kg**

Appendix I: Drawings



LEGEND:

- 101 / 12.88 / 51.6% — CATCHMENT ID / % IMPERVIOUS / CATCHMENT AREA (ha)
- SITE BOUNDARY
- EXISTING CREEK
- PRE-DEVELOPMENT CATCHMENT BOUNDARY
- SUBWATERSHED DIVIDE
- PRE-DEVELOPMENT OVERLAND FLOW DIRECTION
- EXISTING CONTOURS (1.0 m INTERVALS)

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PROPOSED DRAFT PLAN INFORMATION SHOWN ON THIS PLAN FROM DRAWING D3 (PROJECT NO. 9683), PREPARED BY WESTON CONSULTING PLANNING & DESIGN, DATED MARCH 2, 2022.

ELEVATION

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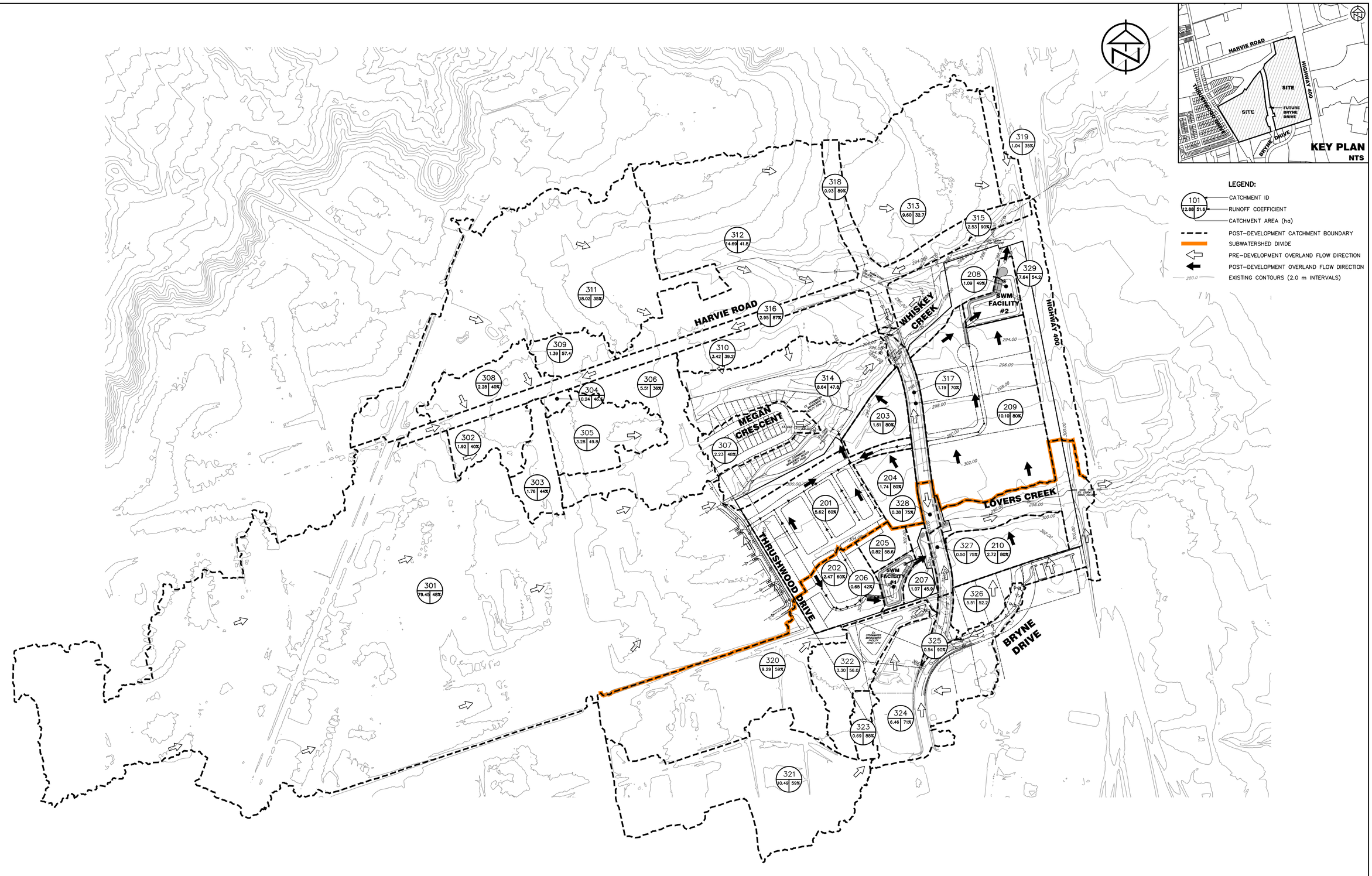
15 HARVIE ROAD
CITY OF BARRIE
BARRIE - BRYNE DEVELOPMENTS LTD.

EXISTING CONDITIONS DRAINAGE PLAN

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DRAWN: LC	DATE: NOVEMBER 2021	DP-1	
CHECK: DRT	SCALE: 1:2,000		

Drawing Name: 421487-DP01.dwg, Plotted: Mar 24, 2022



LEGEND:

- 101 / 12.88 / 51.6 — CATCHMENT ID / RUNOFF COEFFICIENT / CATCHMENT AREA (ha)
- POST-DEVELOPMENT CATCHMENT BOUNDARY
- SUBWATERSHED DIVIDE
- PRE-DEVELOPMENT OVERLAND FLOW DIRECTION
- POST-DEVELOPMENT OVERLAND FLOW DIRECTION
- 280.0 — EXISTING CONTOURS (2.0 m INTERVALS)

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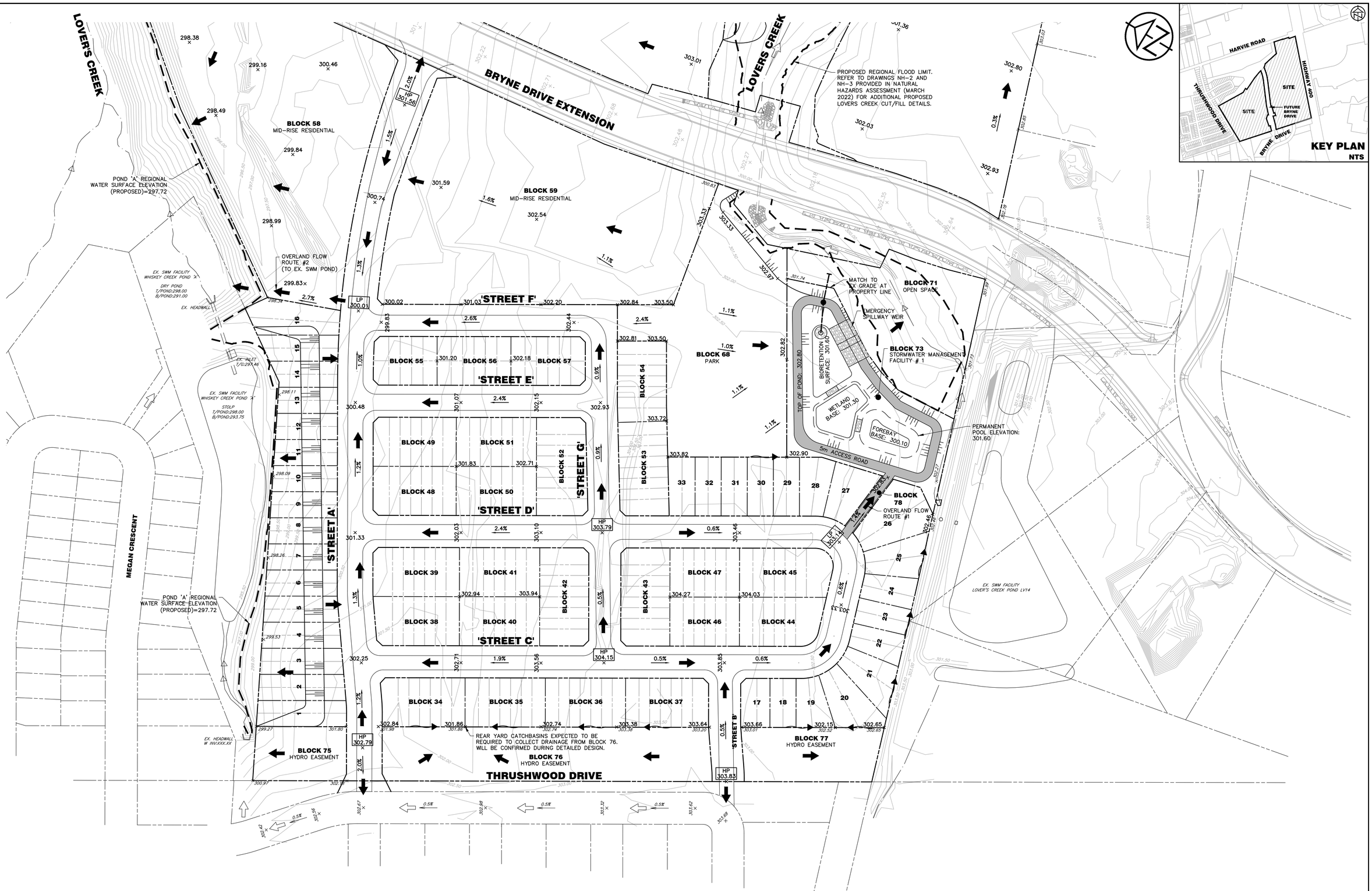
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PROPOSED CONDITIONS DRAINAGE PLAN

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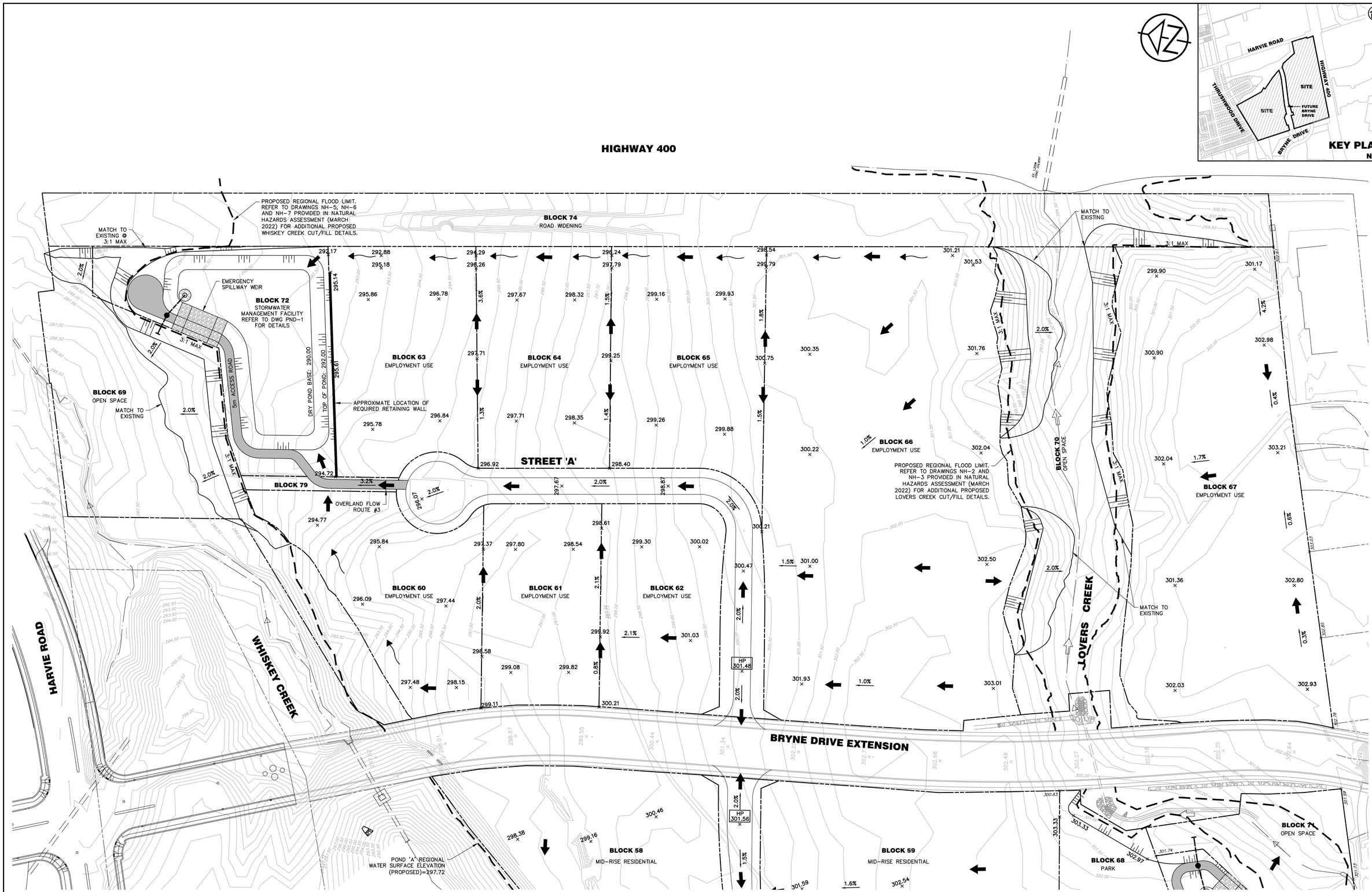
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OVERALL GRADING PLAN
SHEET 1 OF 2

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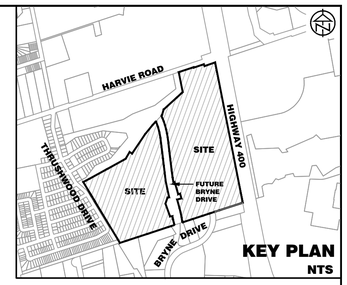
OVERALL GRADING PLAN
SHEET 2 OF 2

TATHAM ENGINEERING

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Drawing Name: 421487-GP01.dwg, Plotted: Mar 23, 2022





LEGEND:

- 100 / 0.54 | 17 — CATCHMENT ID; RUN–OFF COEFFICIENT; CATCHMENT AREA (ha)
- STORM SEWER CATCHMENT BOUNDARY
- PROPOSED STORM STRUCTURE/SEWER/FLOW DIRECTION
- BRYNE DRIVE EXTENSION STORM STRUCTURE/SEWER/FLOW DIRECTION (BY OTHERS)
- EXISTING STORM STRUCTURE/SEWER/FLOW DIRECTION
- EXISTING OVERLAND FLOW DIRECTION
- PROPOSED OVERLAND FLOW DIRECTION
- BRYNE DRIVE EXTENSION OVERLAND FLOW DIRECTION (BY OTHERS)

NOTE
1. PRIVATE STORM SEWER NEEDS FOR FUTURE DEVELOPMENT BLOCKS (58–67) TO BE CONFIRMED DURING DETAILED DESIGN.
2. STORM SEWER SIZING TO BE CONFIRMED DURING DETAILED DESIGN.

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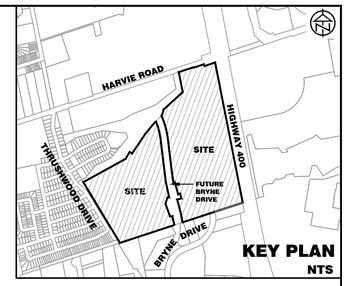
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STORM SEWER CATCHMENT PLAN

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Drawing Name: 421487–STM1.dwg, Plotted: Mar 23, 2022





LEGEND:

100 | 0.54 | 17 — CATCHMENT ID / IMPERVIOUS AREA (ha) / CATCHMENT AREA (ha)

WATER QUALITY CATCHMENT BOUNDARY

PROPOSED STORM STRUCTURE/SEWER/FLOW DIRECTION

280.0 — EXISTING CONTOURS (1.0m INTERVAL)

280.0 — EXISTING GROUNDWATER CONTOURS

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PROPOSED DRAFT PLAN INFORMATION SHOWN ON THIS PLAN FROM DRAWING D3 (PROJECT NO. 9683), PREPARED BY WESTON CONSULTING PLANNING & DESIGN, DATED MARCH 2, 2022.

ELEVATION

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WATER QUALITY CATCHMENT PLAN

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CHECK: NM	SCALE: 1:2,000	

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