MARCH 31, 2008
REFER TO FILE: 119-2528
DELIVERED

Town of The Blue Mountains
26 Bridge St. E., Box 310
Thornbury, On N0H 2P0

Attention: **Mr. Thomas J. Gray, C.E.T.**
Engineering Technologist

RE: **RESPONSE TO COMMENTS ON**
PRELIMINARY SERVICING & STORMWATER MANAGEMENT REPORT
ALTA RESIDENTIAL DEVELOPMENT – PHASE 2

Dear Thomas:

This letter is intended to address the Town of The Blue Mountain's technical engineering comments provided by email on February 26, 2008 regarding the above-noted development. Crozier has reviewed all the comments provided by the Town. Items 1, 3 and 12 were addressed to verify the proposed SWM Block area is adequate while the remaining items will be addressed during the detailed design stage. The remaining items will not impact the proposed Draft Plan as presently represented. A brief discussion of each of the Town's comments and the associated response is provided below in the order which appeared in your email.

1. *The time of concentration of 15 minutes utilized for the external areas originating from the Escarpment is likely too high. Although, this assumption may be valid for more typical catchments, the calculations from this area should be based on the actual values obtained from the Bransby-Williams equations as they are likely more representative of the impact of the significant slopes.*

Acknowledged. We have updated the time of concentration (Tc) calculations for the external areas originating from the Escarpment to reflect the actual values obtained from the Bransby-Williams equations instead of specifying a minimum Tc of 15 minutes (see attached calculations). In all cases, the Tc values were reduced to below 15 minutes as a result of the steep Escarpment slopes. The SWMHYMO hydrologic modeling was also updated to reflect the revised Tc values.

2. *As part of the detailed design, consideration of the erosive potential of the runoff from the Escarpment areas with respect to flow velocities and debris transport will be required. Special attention will be necessary to ensure that adequate erosions controls are provided for the proposed drainage network accounting for the proposed alignment of the flow corridor through the subdivision, particularly around bends.*

CF CROZIER & ASSOCIATES INC
LAND DEVELOPMENT ENGINEERS

110 Pine Street, Collingwood ON L9Y 2N9 | 705 446-3510 Fax 705 446-3520 | info@cfcrozier.ca www.cfcrozier.ca

Acknowledged. Specifications with respect to the construction of the overland flow routes will be provided upon detailed design. These specifications will include measures to address the erosion potential of the overland flow routes due to the relatively steep gradients.

3. *Provide pre-development outflows from the natural attenuation area upstream of the natural attenuation area upstream of the Georgian Trail in Watercourse 22. Demonstrate that the increased volume from the proposed development will not result in increased outflows from this facility.*

As requested, we have updated the SWMHYMO hydrologic modeling to include the pre-development flows from the entire drainage area contributing to the outlet of Watercourse 22 to reflect the natural attenuation area upstream of Georgian Trail. Based on the revised Tc values and the comparison of pre and post-development flow rates (Refer to Table 1) emanating downstream of the natural attenuation area, it was determined that an additional 800 m^3 of active storage is required in the stormwater management facility in order to meet post-to-pre control at all locations along Watercourse 22 (Refer to Table 2).

The revised grading of the SWM facility block, the revised SWMHYMO hydrologic modeling (Scenario 1) and parameter calculations are attached for your review. Also included are the revised operating characteristics of the SWM facility (Refer to Table 3).

4. *Drainage easements will be required for the Escarpment runoff conveyance how they are configured. For example, EXT1 is conveyed around Lots 58/59 and should probably go through them.*

There is sufficient gradient to construct an interceptor swale and redirect the drainage along the south and west limits of Lots 58-60. A drainage easement will be required for the proposed interceptor swale and this will facilitate proper management of the external drainage to be conveyed around the subject Lots and not interfere with any proposed lot grading and house construction. Detailed sections will be completed along the alignment of the proposed interceptor swale during the detailed design stage.

5. *Adjust R.O.W. alignment between Phase 1 and Phase 2 to provide a smoother transition.*

The deflection angle of the ROW alignment between the Phase 1 and Phase 2 limits is approximately 18 degrees. This deflection angle is minor and will be accommodated with the design of a horizontal curve within the proposed ROW. The final alignment will be specified at the detailed design stage.

6. *Adjust ROW alignment of Street 'C' and Alta Road to form a 90-degree intersection.*

The alignment of Street 'C' at the intersection with Alta Road will be reviewed during the detailed design stage. The present alignment of Alta Road generally runs parallel to the existing contours which will minimize the vertical gradient of Street C as the road climbs the intermediate ridge. According to the MTO Geometrics Design Manual, "At any intersection, it is desirable that the intersecting roads meet at or nearly right angles. Wherever possible, roads are designed and located to intersect at angles between 70 degrees and 110 degrees". The angle of deflection between Alta Road and Street C (east intersection) is 75 degrees. The other intersection is close to 90 degrees.

7. *Does the water distribution system meet FUS for all lots within the development?*

A water distribution analysis will be completed during the detailed design stage. Adequate hydrant flow tests will be completed at the required locations to complete the water distribution design per the Town standards.

8. *Confirmation that lots can be developed as shown on Street 'C'. Some lots have 5.5 m fall in 40.0 m from back to front of lot.*

A detailed grading design will be completed for the lots fronting Street 'C' during the detailed design stage and may determine specific house styles which will be required to be constructed on said lots. It will also be necessary to complete Individual Lot Grading Plans to support the building application which will allow for further grading details while maintaining the overall drainage patterns defined during the detailed design stage.

9. *Control the 100-yr storm from the Escarpment to the SWM Pond.*

Note that all surface runoff which will enter the proposed SWM facility will be controlled up to and including the 100-year event. This includes runoff from portions of the Escarpment as noted in the Post-Development Subwatershed Plan (Figure 9) in our January 2008 report. Also important to note is the fact that the Escarpment lands will remain in an undeveloped condition.

10. *Provide details on the outlet of Watercourse 21A to Watercourse 21. How much would be transferred to Watercourse 21?*

The External Drainage Corridor Analysis section within the January 2008 report was completed to evaluate the conditions of the existing external drainage corridors that are directly affected by the proposed development and to identify deficiencies and recommend upgrade alternatives. Based on the analyses completed, it is noted that the drainage corridor for Watercourse 21A downstream of the subject lands is deficient under existing conditions (ie. pre-development). During the detailed design of Hidden Lake Road (by others), it is recommended that the possibility of re-directing flows from Watercourse 21A to the original Watercourse 21 be investigated. At that time, it will be necessary to determine the percentage of flows which should be redirected to Watercourse 21 to minimize the drainage works and costs associated with the construction of Hidden Lake Road.

11. *What is the existing capacity of Watercourse 21 to its outlet (Georgian Trail, Hwy 26)?*

As noted in our response to Comment #10 above, further investigation of Watercourse 21 should be completed during the detailed design of Hidden Lake Road if the option of re-directing flow from Watercourse 21A to Watercourse 21 is considered.

12. *Consider directing storm catchment areas EXT 4 and EXT 5 to the proposed SWM pond to reduce the impact on Hidden Lake Road. Provide calculations to show the impact?*

As requested, we have evaluated the impact of directing the external drainage areas EXT 4 and EXT 5 to the proposed SWM facility. In order to meet post-to-pre control with the additional drainage entering the proposed SWM facility, the active storage capacity in the SWM facility would have to increase by over 70% from 4,600 m^3 to 7,650 m^3. Consequently, the area of the proposed SWM facility would nearly double. Given the SWM strategy currently proposed, the required "post to pre" quantity control has been provided. We can not support conveying and

attenuating external catchments (EXT 4 and EXT 5) into the SWM facility. This will require additional land for the SWM Facility Block and likely the loss of additional proposed units.

Refer to the attached SWMHYMO modeling Scenario 2 which demonstrates the impacts of directing EXT 4 and EXT 5 to the proposed SWM facility.

13. *Check geometrics of road for fill requirements on north/west hill and bend of Street C to assure road allowance widening is not required, prior to finalizing lot configurations (lots 47, 60 and 61).*

The lot grading will be adjusted accordingly to provide positive drainage where there are any fill requirements needed along the alignment of Street 'C', specifically along the north/west hill and bend of Street 'C' (Lots 47, 60 and 61).

Based on the above we recommend the Draft Plan of Subdivision and Zoning By-Law Amendment be approved with the outstanding comments be addressed during the detailed design stage for approval by the Town.

Yours truly,

C.F. CROZIER & ASSOCIATES INC.

Ian McCutcheon, C.E.T.
IM:nm

C.F. CROZIER & ASSOCIATES INC.

Christopher F. Crozier, P.Eng.

Attachments

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TABLE 1: PRE & POST-DEVELOPMENT (UNCONTROLLED) PEAK FLOW RATES (M^3/S) AT OUTLETS 'A', 'B' 'C' AND WATERSHED 22

Return Period *Years*	Outlet A			Outlet B			Outlet C			Watershed 22 Outlet		
	Pre	Post	Δ	Pre	Post	Δ	Pre	Post	Δ	Pre	Post	Δ
	13.20 ha	*4.50 ha*	*Post-Pre*	*11.20 ha*	*23.40 ha*	*Post-Pre*	*14.00 ha*	*10.90 ha*	*Post-Pre*	*66.30 ha*	*69.80 ha*	*Post-Pre*
2	0.321	0.117	*-0.204*	0.221	0.525	*0.304*	0.300	0.300	*0.000*	*0.213*	*0.207*	*-0.006*
10	0.854	0.301	*-0.553*	0.601	1.225	*0.624*	0.810	0.749	*-0.061*	*0.334*	*0.332*	*-0.002*
100	1.728	0.598	*-1.130*	1.246	2.441	*1.195*	1.491	1.340	*-0.151*	*0.496*	*0.494*	*-0.002*

TABLE 2: COMPARISON OF PRE AND POST-DEVELOPMENT (CONTROLLED) PEAK FLOW RATES AT OUTLET 'B' AND WATERSHED 22 AND SWM FACILITY ACTIVE STORAGE REQUIREMENTS

Return Period *(Years)*	Outlet B		Watershed 22 Outlet		
	Pre-Development Peak Flow *(m^3/s)*	Post-Development Peak Flow *(m^3/s)*	Pre-Development Peak Flow *(m^3/s)*	Post-Development Peak Flow *(m^3/s)*	Active Storage Required *(m^3)*
2	0.221	0.184	*0.213*	*0.207*	1,400
10	0.601	0.438	*0.334*	*0.332*	2,600
100	1.246	0.839	*0.496*	*0.494*	4,600

TABLE 3: SUMMARY OF STORMWATER WET POND OPERATING CHARACTERISTICS

Pond Level	Elevation *(m)*	Volume *(m^3)*	
		Required	Provided
Pond Base	213.5	n/a	n/a
Permanent Pool	214.5	720	1,800 (dead storage)
Extended Detention	215.0	1,300	1,300
100-Yr HWL	215.95	4,600	4,600
Top of Berm	216.3	n/a	4,800

CF CROZIER & ASSOCIATES INC
LAND DEVELOPMENT CONSULTANTS

HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-1
Area 3.5 ha

Ext-1

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	3.5	100	3.5	79	276.5			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			3.5		3.5		276.5	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	3.5	35.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 3.5 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	36.00	457	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path 457 m
Elevation Drop 164.5 m
Sw 36.00 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	3.5	1.8		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			1.8			0.0			0.0			0.0

Composite Runoff Coefficient 0.520

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km²)

Time of Concentration 12.4 min 0.21 hours $t_c = \frac{3.26*(1.1-C)*L^{0.5}}{S_w^{0.33}}$
Time to Peak 8.3 min 0.14 hours

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km²)

Time of Concentration 11.2 min 0.19 hours $t_c = \frac{0.057*L}{S^{0.2}*A^{0.1}}$
Time to Peak 7.5 min 0.13 hours

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.13

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LAND DEVELOPMENT CONSULTANTS

HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-2
Area 4.1 ha

Ext-2

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	4.1	100	4.1	79	323.9			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			4.1		4.1		323.9	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	4.1	41.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 4.1 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	36.53	438	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path 438 m
Elevation Drop 160 m
Sw 36.53 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	4.1	2.1		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			2.1			0.0			0.0			0.0

Composite Runoff Coefficient 0.520

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 12.1 min 0.20 hours
Time to Peak 8.1 min 0.13 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 10.6 min 0.18 hours
Time to Peak 7.1 min 0.12 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.12

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HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-3
Area 2.2 ha

Ext-3

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	2.2	100	2.2	79	173.8			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			2.2		2.2		173.8	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	2.2	22.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 2.2 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	36.28	530	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	441 m
Elevation Drop	160 m
Sw	36.28 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	2.2	1.1		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			1.1			0.0			0.0			0.0

Composite Runoff Coefficient 0.52

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 12.1 min 0.20 hours
Time to Peak 8.1 min 0.14 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 11.3 min 0.19 hours
Time to Peak 7.6 min 0.13 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.13

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Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-4
Area 2.6 ha

HYDROLOGIC PARAMETERS

Ext-4

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	2.6	100	2.6	79	205.4			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			2.6		2.6		205.4	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	2.6	26.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 2.6 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	36.36	440	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	440 m
Elevation Drop	160 m
Sw	36.36 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	2.6	1.4		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			1.4			0.0			0.0			0.0

Composite Runoff Coefficient 0.52

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 12.1 min 0.20 hours

Time to Peak 8.1 min 0.14 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 11.1 min 0.19 hours

Time to Peak 7.4 min 0.12 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.12

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LAND DEVELOPMENT CONSULTANTS

HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-5
Area 5.2 ha

Ext-5

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	5.2	100	5.2	79	410.8			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			5.2		5.2		410.8	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	5.2	52.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 5.2 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	39.10	399	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	399	m
Elevation Drop	156	m
Sw	39.10	%

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	5.2	2.7		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			2.7			0.0			0.0			0.0

Composite Runoff Coefficient 0.52

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 11.3 min 0.19 hours
Time to Peak 7.5 min 0.13 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 9.3 min 0.15 hours
Time to Peak 6.2 min 0.10 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.10

CF CROZIER & ASSOCIATES INC
LAND DEVELOPMENT CONSULTANTS

HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-7
Area 6.0 ha

Ext-7

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	6.0	100	6.0	79	474			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			6.0		6.0		474	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) **79.0**

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	6.0	60.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 6.0 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	30.00	457	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	450 m
Elevation Drop	135 m
Sw	30.00 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	6.0	3.1		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			3.1			0.0			0.0			0.0

Composite Runoff Coefficient 0.520

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 13.1 min 0.22 hours
Time to Peak 8.7 min 0.15 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 10.9 min 0.18 hours
Time to Peak 7.3 min 0.12 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.12

CF CROZIER & ASSOCIATES INC

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. **Ext-10 B**
Area **4.9 ha**

HYDROLOGIC PARAMETERS

Ext-10 B

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Brighton	A	Sand	4.9	100	4.9	36	176.4			0
				0	0.0	60	0			0
				0			0			0
				0			0			0
				0			0			0
Totals			4.9		4.9		176.4	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
	50	0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 36.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	4.9	49.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

10

Total Property Area 4.9 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	6.67	457	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	75 m
Elevation Drop	5 m
Sw	6.67 %

Runoff Coefficient Determination

Land Use	Brighton			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.08	4.9	0.4	0.25	0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands	0.1	0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95		0.0	0.95	3.50	3.3						
Total			0.4			3.3			0.0			0.0

Composite Runoff Coefficient 0.759

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration	5.2 min	0.09 hours	$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$
Time to Peak	3.5 min	0.06 hours	

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration	2.5 min	0.04 hours	$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$
Time to Peak	1.7 min	0.03 hours	

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.03

CF CROZIER & ASSOCIATES INC
LAND DEVELOPMENT CONSULTANTS

HYDROLOGIC PARAMETERS

Project: Alta Phase II
Project No.: 119-2528
File: Hyd Parameters
Design by: K. Simmons
Date: 22-May-07

D.A. Ext-11
Area 3.9 ha

Ext-11

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Kemble	C	Silty Clay	3.9	100	3.9	73	284.7			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			3.9		3.9		284.7	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 73.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	3.9	39.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 3.9 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	13.04	457	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path 230 m
Elevation Drop 30 m
Sw 13.04 %

Runoff Coefficient Determination

Land Use	Kemble			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	3.9	2.0		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			2.0			0.0			0.0			0.0

Composite Runoff Coefficient 0.520

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 12.3 min 0.20 hours
Time to Peak 8.2 min 0.14 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 6.8 min 0.11 hours
Time to Peak 4.6 min 0.08 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.08

CF CROZIER & ASSOCIATES INC

Project:	Alta Phase II	D.A.	Ext-12
Project No.:	119-2528	Area	5.2 ha
File:	Hyd Parameters		
Design by:	K. Simmons		
Date:	22-May-07		

HYDROLOGIC PARAMETERS

Ext-12

CURVE NUMBER

Soil Series	Hydrologic Soil Group	Soil Texture	Soil Area Composition		Woodland			Meadow		
			Area(ha)	Percent	Area	CN	CN*A	Area	CN	CN*A
Dunedin	D	Clay	5.2	100	5.2	79	410.8			0
				0			0			0
				0			0			0
				0			0			0
				0			0			0
Totals			5.2		5.2		410.8	0.0		0

Wetlands			Lawn			Cultivated			Impervious	
Area	CN	CN*A	Area	CN	CN*A	Area	CN	CN*A	Land Use	Area (ha)
0.0		0	0.0		0			0	Roadway	0
		0			0			0	Sidewalk	0
		0			0			0	Driveway	0
		0			0			0	Building	0
		0			0			0		
0.0		0	0.0		0	0.0		0		0

Ximp 0 %

Timp 0 %

Composite Curve Number (for previous areas) 79.0

Land Use	Initial Abstraction (mm)	Area (ha)	IA*A
Wetlands	16	0.0	0.0
Woodland	10	5.2	52.0
Meadow	8	0.0	0.0
Cultivated	7	0.0	0.0
Lawn	5	0.0	0.0
Impervious	2	0.0	0.0

Total Property Area 5.2 ha

Soil Type	Initial Abstraction (mm)	Slope (%)	Lot Depth/Travel Length (m)	Mannings n
Pervious	10	35.11	457	0.4
Impervious	2	0.5	na	na

TIME OF CONCENTRATION

GENERAL INPUTS

Longest Flow Path	470 m
Elevation Drop	165 m
Sw	35.11 %

Runoff Coefficient Determination

Land Use	Dunedin			0			0			0		
	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA	C(-)	Area	CA
Woodland	0.52	5.2	2.7		0.0	0.0		0.0	0.0		0	0.0
Meadow		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Wetlands		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Lawn		0.0	0.0		0.0	0.0		0.0	0.0		0	0.0
Cultivated	0.35	0.0	0.0	0.22	0.0	0.0		0.0	0.0		0	0.0
Impervious	0.95	0.0	0.0									
Total			2.7			0.0			0.0			0.0

Composite Runoff Coefficient 0.520

AIRPORT METHOD
(runoff coefficient less than 0.40, <1 km^2)

Time of Concentration 12.7 min 0.21 hours

Time to Peak 8.5 min 0.14 hours

$$t_c = \frac{3.26 * (1.1 - C) * L^{0.5}}{S_w^{0.33}}$$

BRANSBY-WILLIAMS METHOD
(Runoff Coefficient greater than 0.40, <25km^2)

Time of Concentration 11.2 min 0.19 hours

Time to Peak 7.5 min 0.12 hours

$$t_c = \frac{0.057 * L}{S^{0.2} * A^{0.1}}$$

TIME TO PEAK	
Appropriate Method	BRANSBY-WILLIAMS METHOD
Tp	0.12

```
00001> 2     Metric units
00002> *#*************************************************************************
00003> *#  Project Name: [ALTA PHASE II]     Project Number: [119-]
00004> *#  Date        : 05-24-2007
00005> *#  Modeller    : [        ]
00006> *#  Company     : C.F. Crozier & Associates Inc.
00007> *#  License #   :  3737016
00008> *#*************************************************************************
00009> START                TZERO=[0.0],  METOUT=[2],  NSTORM=[0],  NRUN=[0]
00010> *%                     [  ] <--storm filename, one per line for NSTORM time
00011> *%-----------------|-------------------------------------------------------|
00012> *#-----------------|-------------------------------------------------------|
00013> *#-----------------|---------25mm----------------------------------------|
00014> *#-----------------|-------------------------------------------------------|
00015> READ STORM           STORM_FILENAME=["25mm.stm"]
00016> *#-----------------|-------------------------------------------------------|
00017> *#-----------------|-----------PRE-DEVELOPMENT---------------------------|
00018> *#-----------------|-------------------------------------------------------|
00019>
00020> CALIB NASHYD         ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00021>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00022>                      N=[3], TP=[0.13]hrs,
00023>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00024> *%-----------------|-------------------------------------------------------|
00025> CALIB NASHYD         ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00026>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00027>                      N=[3], TP=[0.12]hrs,
00028>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00029> *%-----------------|-------------------------------------------------------|
00030> CALIB NASHYD         ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00031>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00032>                      N=[3], TP=[0.13]hrs,
00033>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00034> *%-----------------|-------------------------------------------------------|
00035> CALIB NASHYD         ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
00036>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00037>                      N=[3], TP=[0.17]hrs,
00038>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00039> *%-----------------|-------------------------------------------------------|
00040> CALIB NASHYD         ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
00041>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00042>                      N=[3], TP=[0.17]hrs,
00043>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00044> *%-----------------|-------------------------------------------------------|
00045> *#-----------------|-------------------------------------------------------|
00046> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT  |
00047> *#-----------------|-------------------------------------------------------|
00048> *#-----------------|-------------------------------------------------------|
00049> ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
00050> *%-----------------|-------------------------------------------------------|
00051>
00052> CALIB NASHYD         ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00053>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00054>                      N=[3], TP=[0.12]hrs,
00055>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00056> *%-----------------|-------------------------------------------------------|
00057> CALIB NASHYD         ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
00058>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00059>                      N=[3], TP=[0.17]hrs,
00060>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00061> *%-----------------|-------------------------------------------------------|
00062> CALIB NASHYD         ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
00063>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00064>                      N=[3], TP=[0.17]hrs,
00065>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00066> *%-----------------|-------------------------------------------------------|
00067> CALIB NASHYD         ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
00068>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00069>                      N=[3], TP=[0.17]hrs,
00070>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00071> *%-----------------|-------------------------------------------------------|
00072> *#-----------------|-------------------------------------------------------|
00073> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00074> *#-----------------|-------------------------------------------------------|
00075> *#-----------------|-------------------------------------------------------|
00076> ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
00077> *%-----------------|-------------------------------------------------------|
00078>
00079> CALIB NASHYD         ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00080>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00081>                      N=[3], TP=[0.10]hrs,
00082>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00083> *%-----------------|-------------------------------------------------------|
00084> CALIB NASHYD         ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
00085>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00086>                      N=[3], TP=[0.17]hrs,
00087>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00088> *%-----------------|-------------------------------------------------------|
00089> CALIB NASHYD         ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
00090>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00091>                      N=[3], TP=[0.17]hrs,
00092>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00093> *%-----------------|-------------------------------------------------------|
00094> CALIB NASHYD         ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
00095>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00096>                      N=[3], TP=[0.17]hrs,
00097>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00098> *%-----------------|-------------------------------------------------------|
00099> CALIB NASHYD         ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
00100>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00101>                      N=[3], TP=[0.21]hrs,
00102>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00103> *%-----------------|-------------------------------------------------------|
00104> CALIB NASHYD         ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
00105>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00106>                      N=[3], TP=[0.17]hrs,
00107>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00108> *%-----------------|-------------------------------------------------------|
00109> CALIB NASHYD         ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
00110>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00111>                      N=[3], TP=[0.26]hrs,
00112>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00113> *%-----------------|-------------------------------------------------------|
00114> *#-----------------|-------------------------------------------------------|
00115> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00116> *#-----------------|-------------------------------------------------------|
00117> *#-----------------|-------------------------------------------------------|
00118> ADD HYD             IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
00119> *%-----------------|-------------------------------------------------------|
00120>
00121> CALIB NASHYD         ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00122>                      DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00123>                      N=[3], TP=[0.35]hrs,
00124>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00125> *%-----------------|-------------------------------------------------------|
00126> *#-----------------|-------------------------------------------------------|
00127> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
00128> *#-----------------|-------------------------------------------------------|
00129> *#-----------------|-------------------------------------------------------|
00130> ADD HYD             IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
00131> *%-----------------|-------------------------------------------------------|
00132>
00133> CALIB NASHYD         ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00134>                      DWF=[0](cms),  CN/C=[49.4],  IA=[9.8](mm),
00135>                      N=[3], TP=[.42]hrs,
00136>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00137> *%-----------------|-------------------------------------------------------|
00138> CALIB NASHYD         ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
00139>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00140>                      N=[3], TP=[0.17]hrs,
00141>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00142> *%-----------------|-------------------------------------------------------|
00143> CALIB NASHYD         ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
00144>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00145>                      N=[3], TP=[0.17]hrs,
00146>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00147> *%-----------------|-------------------------------------------------------|
00148>
00149> *%-----------------|-------------------------------------------------------|
00150> *#-----------------|-------------------------------------------------------|
00151> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-----|
00152> *#-----------------|-------------------------------------------------------|
00153> *#-----------------|-------------------------------------------------------|
00154> ADD HYD             IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00155> *%-----------------|-------------------------------------------------------|
00156> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDins=[5],
00157>                      RDT=[1](min),
00158>                              TABLE of ( OUTFLOW-STORAGE ) values
00159>                                    (cms) - (ha-m)
00160>                                  [   0.0  ,  0.0 ]
00161>                                  [   0.0102 ,  0.002 ]
00162>                                  [   0.04230 ,  0.004 ]
00163>                                  [   0.0939 ,  0.006 ]
00164>                                  [   0.1286 ,  0.008 ]
00165>                                  [   0.16330 ,  0.045 ]
00166>                                  [   0.2489 ,  0.262 ]
00167>                                  [   0.3488 ,  0.622 ]
00168>                                  [   0.4601 ,  1.088 ]
00169>                                  [   0.51955 ,  1.623 ]
00170>                                  [   0.579 ,  1.925 ]
00171>                                  [   0.7014 ,  2.253 ]
00172>                                  [   0.8216 ,  2.951 ]
00173>                                  [   0.9345 ,  3.689 ]
00174>                                  [   -1  ,   -1  ]   (max twenty pts)
00175>                              IDovf=[6], NHYDovf=["OVF"]
00176> *%-----------------|-------------------------------------------------------|
00177> CALIB NASHYD         ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00178>                      DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00179>                      N=[3], TP=[0.17]hrs,
00180>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00181> *%-----------------|-------------------------------------------------------|
00182> *%-----------------|-------------------------------------------------------|
00183> *%-----------------|-------------------------------------------------------|
00184> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00185> *#-----------------|-------------------------------------------------------|
00186> *#-----------------|-------------------------------------------------------|
00187> ADD HYD             IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00188> *%-----------------|-------------------------------------------------------|
00189>
00190>
00191> *#-----------------|-------------------------------------------------------|
00192> *#-----------------|----------2 YEAR-------------------------------------|
00193> *#-----------------|-------------------------------------------------------|
00194> *%-----------------|-------------------------------------------------------|
00195> CHICAGO STORM       IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00196>                      ICASEcs=[2],
00197>                      Enter ordinates of IDF curve below, at least seven points
00198>                          TIME (min)     Intensity(mm/hr)
00199>                              [5    ]        [95]
00200>                              [10   ]        [70 ]
00201>                              [15   ]        [58 ]
00202>                              [30   ]        [38 ]
00203>                              [60   ]        [25 ]
00204>                              [180  ]        [17 ]
00205>                              [360  ]        [6.3]
00206>                              [720  ]        [3.5]
00207>                              [1440]         [1.9]
00208>                                -1             -1
00209> *%-----------------|-------------------------------------------------------|
00210>
00211> *%-----------------|-------------------------------------------------------|
00212> *#-----------------|-------------------------------------------------------|
00213> *#-----------------|-----------PRE-DEVELOPMENT---------------------------|
00214> *#-----------------|-------------------------------------------------------|
00215>
00216> CALIB NASHYD         ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00217>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00218>                      N=[3], TP=[0.13]hrs,
00219>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00220> *%-----------------|-------------------------------------------------------|
00221> CALIB NASHYD         ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00222>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00223>                      N=[3], TP=[0.12]hrs,
00224>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00225> *%-----------------|-------------------------------------------------------|
00226> CALIB NASHYD         ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00227>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00228>                      N=[3], TP=[0.13]hrs,
00229>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00230> *%-----------------|-------------------------------------------------------|
00231> CALIB NASHYD         ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
00232>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00233>                      N=[3], TP=[0.17]hrs,
00234>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00235> *%-----------------|-------------------------------------------------------|
00236> CALIB NASHYD         ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
00237>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00238>                      N=[3], TP=[0.17]hrs,
00239>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00240> *%-----------------|-------------------------------------------------------|
00241> *#-----------------|-------------------------------------------------------|
00242> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT  |
00243> *#-----------------|-------------------------------------------------------|
00244> *#-----------------|-------------------------------------------------------|
00245> ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
00246> *%-----------------|-------------------------------------------------------|
00247>
00248> CALIB NASHYD         ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00249>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00250>                      N=[3], TP=[0.12]hrs,
00251>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00252> *%-----------------|-------------------------------------------------------|
00253> CALIB NASHYD         ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
00254>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00255>                      N=[3], TP=[0.17]hrs,
00256>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00257> *%-----------------|-------------------------------------------------------|
00258> CALIB NASHYD         ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
00259>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00260>                      N=[3], TP=[0.17]hrs,
00261>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00262> *%-----------------|-------------------------------------------------------|
00263> CALIB NASHYD         ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
00264>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00265>                      N=[3], TP=[0.17]hrs,
00266>                      RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00267> *%-----------------|-------------------------------------------------------|
00268> *#-----------------|-------------------------------------------------------|
00269> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00270> *#-----------------|-------------------------------------------------------|
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00271> *#-----------------|-------------------------------------------------------|
00272> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
00273> *%-----------------|-------------------------------------------------------|
00274>
00275> CALIB NASHYD        ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00276>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00277>                     N=[3], TP=[0.10]hrs,
00278>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00279> *%-----------------|-------------------------------------------------------|
00280> CALIB NASHYD        ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
00281>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00282>                     N=[3], TP=[0.17]hrs,
00283>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00284> *%-----------------|-------------------------------------------------------|
00285> CALIB NASHYD        ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
00286>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00287>                     N=[3], TP=[0.17]hrs,
00288>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00289> *%-----------------|-------------------------------------------------------|
00290> CALIB NASHYD        ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
00291>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00292>                     N=[3], TP=[0.17]hrs,
00293>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00294> *%-----------------|-------------------------------------------------------|
00295> CALIB NASHYD        ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
00296>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00297>                     N=[3], TP=[0.21]hrs,
00298>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00299> *%-----------------|-------------------------------------------------------|
00300> CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
00301>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00302>                     N=[3], TP=[0.17]hrs,
00303>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00304> *%-----------------|-------------------------------------------------------|
00305> CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
00306>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00307>                     N=[3], TP=[0.26]hrs,
00308>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00309> *%-----------------|-------------------------------------------------------|
00310> *#-----------------|-------------------------------------------------------|
00311> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00312> *#-----------------|-------------------------------------------------------|
00313> *#-----------------|-------------------------------------------------------|
00314> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
00315> *%-----------------|-------------------------------------------------------|
00316>
00317> CALIB NASHYD        ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00318>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00319>                     N=[3], TP=[0.35]hrs,
00320>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00321> *%-----------------|-------------------------------------------------------|
00322> *#-----------------|-------------------------------------------------------|
00323> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
00324> *#-----------------|-------------------------------------------------------|
00325> *#-----------------|-------------------------------------------------------|
00326> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
00327> *%-----------------|-------------------------------------------------------|
00328>
00329> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00330>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00331>                     N=[3], TP=[.42]hrs,
00332>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00333> *%-----------------|-------------------------------------------------------|
00334> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
00335>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00336>                     N=[3], TP=[0.17]hrs,
00337>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00338> *%-----------------|-------------------------------------------------------|
00339> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
00340>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00341>                     N=[3], TP=[0.17]hrs,
00342>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00343>
00344> *%-----------------|-------------------------------------------------------|
00345>
00346> *%-----------------|-------------------------------------------------------|
00347> *#-----------------|-------------------------------------------------------|
00348> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-----|
00349> *#-----------------|-------------------------------------------------------|
00350> *#-----------------|-------------------------------------------------------|
00351> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00352> *%-----------------|-------------------------------------------------------|
00353> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"),   IDin=[5],
00354>                     RDT=[1](min),
00355>                           TABLE of ( OUTFLOW-STORAGE ) values
00356>                                      (cms) - (ha-m)
00357>                                 [   0.0 ,  0.0 ]
00358>                                 [   0.0102 ,  0.002 ]
00359>                                 [   0.04230 ,  0.004 ]
00360>                                 [   0.0939 ,  0.006 ]
00361>                                 [   0.1286 ,  0.008 ]
00362>                                 [   0.16330 ,  0.045 ]
00363>                                 [   0.2489 ,  0.262 ]
00364>                                 [   0.3488 ,  0.622 ]
00365>                                 [   0.4601 ,  1.088 ]
00366>                                 [   0.51955 ,  1.623 ]
00367>                                 [   0.579 ,  1.925 ]
00368>                                 [   0.7014 ,  2.253 ]
00369>                                 [   0.8216 ,  2.951 ]
00370>                                 [   0.9345 ,  3.689 ]
00371>                                 [   -1  ,  -1  ]   (max twenty pts)
00372>                           IDovf=[6], NHYDovf=["OVF"]
00373> *%-----------------|-------------------------------------------------------|
00374> CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00375>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00376>                     N=[3], TP=[0.17]hrs,
00377>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00378> *%-----------------|-------------------------------------------------------|
00379> *%-----------------|-------------------------------------------------------|
00380> *#-----------------|-------------------------------------------------------|
00381> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW -------|
00382> *#-----------------|-------------------------------------------------------|
00383> *#-----------------|-------------------------------------------------------|
00384> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00385> *%-----------------|-------------------------------------------------------|
00386>
00387>
00388> *#-----------------|-------------------------------------------------------|
00389> *#-----------------|----------10YR-----------------------------------------|
00390> *#-----------------|-------------------------------------------------------|
00391> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00392>                     ICASEcs=[2],
00393>                     Enter ordinates of IDF curve below, at least seven points
00394>                         TIME (min)     Intensity(mm/hr)
00395>                           [5    ]        [150]
00396>                           [10   ]        [105 ]
00397>                           [15   ]        [89  ]
00398>                           [30   ]        [57  ]
00399>                           [60   ]        [38  ]
00400>                           [180  ]        [24  ]
00401>                           [360  ]        [11]
00402>                           [720  ]        [5.5]
00403>                           [1440]         [3]
00404>                             -1             -1
00405> *%-----------------|-------------------------------------------------------|

00406> *#-----------------|-------------------------------------------------------|
00407> *#-----------------|----------PRE-DEVELOPMENT-----------------------------|
00408> *#-----------------|-------------------------------------------------------|
00409>
00410> CALIB NASHYD        ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00411>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00412>                     N=[3], TP=[0.13]hrs,
00413>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00414> *%-----------------|-------------------------------------------------------|
00415> CALIB NASHYD        ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00416>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00417>                     N=[3], TP=[0.12]hrs,
00418>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00419> *%-----------------|-------------------------------------------------------|
00420> CALIB NASHYD        ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00421>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00422>                     N=[3], TP=[0.13]hrs,
00423>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00424> *%-----------------|-------------------------------------------------------|
00425> CALIB NASHYD        ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
00426>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00427>                     N=[3], TP=[0.17]hrs,
00428>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00429> *%-----------------|-------------------------------------------------------|
00430> CALIB NASHYD        ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
00431>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00432>                     N=[3], TP=[0.17]hrs,
00433>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00434> *%-----------------|-------------------------------------------------------|
00435> *#-----------------|-------------------------------------------------------|
00436> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT  |
00437> *#-----------------|-------------------------------------------------------|
00438> *#-----------------|-------------------------------------------------------|
00439> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
00440> *%-----------------|-------------------------------------------------------|
00441>
00442> CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00443>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00444>                     N=[3], TP=[0.12]hrs,
00445>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00446> *%-----------------|-------------------------------------------------------|
00447> CALIB NASHYD        ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
00448>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00449>                     N=[3], TP=[0.17]hrs,
00450>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00451> *%-----------------|-------------------------------------------------------|
00452> CALIB NASHYD        ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
00453>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00454>                     N=[3], TP=[0.17]hrs,
00455>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00456> *%-----------------|-------------------------------------------------------|
00457> CALIB NASHYD        ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
00458>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00459>                     N=[3], TP=[0.17]hrs,
00460>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00461> *%-----------------|-------------------------------------------------------|
00462> *#-----------------|-------------------------------------------------------|
00463> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00464> *#-----------------|-------------------------------------------------------|
00465> *#-----------------|-------------------------------------------------------|
00466> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
00467> *%-----------------|-------------------------------------------------------|
00468>
00469> CALIB NASHYD        ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00470>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00471>                     N=[3], TP=[0.10]hrs,
00472>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00473> *%-----------------|-------------------------------------------------------|
00474> CALIB NASHYD        ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
00475>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00476>                     N=[3], TP=[0.17]hrs,
00477>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00478> *%-----------------|-------------------------------------------------------|
00479> CALIB NASHYD        ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
00480>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00481>                     N=[3], TP=[0.17]hrs,
00482>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00483> *%-----------------|-------------------------------------------------------|
00484> CALIB NASHYD        ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
00485>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00486>                     N=[3], TP=[0.17]hrs,
00487>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00488> *%-----------------|-------------------------------------------------------|
00489> CALIB NASHYD        ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
00490>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00491>                     N=[3], TP=[0.21]hrs,
00492>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00493> *%-----------------|-------------------------------------------------------|
00494> CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
00495>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00496>                     N=[3], TP=[0.17]hrs,
00497>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00498> *%-----------------|-------------------------------------------------------|
00499> CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
00500>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00501>                     N=[3], TP=[0.26]hrs,
00502>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00503> *%-----------------|-------------------------------------------------------|
00504> *#-----------------|-------------------------------------------------------|
00505> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00506> *#-----------------|-------------------------------------------------------|
00507> *#-----------------|-------------------------------------------------------|
00508> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
00509> *%-----------------|-------------------------------------------------------|
00510>
00511> CALIB NASHYD        ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00512>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00513>                     N=[3], TP=[0.35]hrs,
00514>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00515> *%-----------------|-------------------------------------------------------|
00516> *#-----------------|-------------------------------------------------------|
00517> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
00518> *#-----------------|-------------------------------------------------------|
00519> *#-----------------|-------------------------------------------------------|
00520> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
00521> *%-----------------|-------------------------------------------------------|
00522>
00523> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00524>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00525>                     N=[3], TP=[.42]hrs,
00526>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00527> *%-----------------|-------------------------------------------------------|
00528> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
00529>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00530>                     N=[3], TP=[0.17]hrs,
00531>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00532> *%-----------------|-------------------------------------------------------|
00533> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
00534>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00535>                     N=[3], TP=[0.17]hrs,
00536>                     RAINFALL=[ , , , , ](mm/hr),  END=-1
00537>
00538> *%-----------------|-------------------------------------------------------|
00539>
00540> *%-----------------|-------------------------------------------------------|
```

```
00541> *#-----------------|-------------------------------------------------------------------|
00542> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
00543> *#-----------------|-------------------------------------------------------------------|
00544> *#-----------------|-------------------------------------------------------------------|
00545> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00546> *%-----------------|-------------------------------------------------------------------|
00547> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"],  IDin=[5],
00548>                     RDT=[1](min),
00549>                               TABLE of ( OUTFLOW-STORAGE ) values
00550>                                          (cms) - (ha-m)
00551>                                    [   0.0  ,   0.0 ]
00552>                                    [   0.0102 ,   0.002 ]
00553>                                    [   0.04230 ,   0.004 ]
00554>                                    [   0.0939 ,   0.006 ]
00555>                                    [   0.1286 ,   0.008 ]
00556>                                    [   0.16330 ,   0.045 ]
00557>                                    [   0.2489 ,   0.262 ]
00558>                                    [   0.3488 ,   0.622 ]
00559>                                    [   0.4601 ,   1.088 ]
00560>                                    [   0.51955 ,   1.623 ]
00561>                                    [   0.579 ,   1.925 ]
00562>                                    [   0.7014 ,   2.253 ]
00563>                                    [   0.8216 ,   2.951 ]
00564>                                    [   0.9345 ,   3.689 ]
00565>                                    [   -1  ,   -1  ]   (max twenty pts)
00566>                               IDovf=[6], NHYDovf=["OVF"]
00567> *%-----------------|-------------------------------------------------------------------|
00568> CALIB NASHYD       ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00569>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00570>                     N=[3], TP=[0.17]hrs,
00571>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00572> *%-----------------|-------------------------------------------------------------------|
00573> *%-----------------|-------------------------------------------------------------------|
00574> *#-----------------|-------------------------------------------------------------------|
00575> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
00576> *#-----------------|-------------------------------------------------------------------|
00577> *#-----------------|-------------------------------------------------------------------|
00578> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00579> *%-----------------|-------------------------------------------------------------------|
00580>
00581> *#-----------------|-------------------------------------------------------------------|
00582> *#-----------------|----------25YR-----------------------------------------------------|
00583> *#-----------------|-------------------------------------------------------------------|
00584>
00585> CHICAGO STORM      1UNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00586>                     ICASEcs=[2],
00587>                     Enter ordinates of IDF curve below, at least seven points
00588>                         TIME (min)     Intensity(mm/hr)
00589>                             [5    ]        [180]
00590>                             [10   ]        [120]
00591>                             [15   ]        [105]
00592>                             [30   ]        [67]
00593>                             [60   ]        [46 ]
00594>                             [180  ]        [28 ]
00595>                             [360  ]        [13 ]
00596>                             [720  ]        [6.5 ]
00597>                             [1440 ]        [3.6 ]
00598>                                -1             -1
00599> *%-----------------|-------------------------------------------------------------------|
00600> *#-----------------|-------------------------------------------------------------------|
00601> *#-----------------|-----------PRE-DEVELOPMENT-----------------------------------------|
00602> *#-----------------|-------------------------------------------------------------------|
00603>
00604> CALIB NASHYD       ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00605>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00606>                     N=[3], TP=[0.13]hrs,
00607>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00608> *%-----------------|-------------------------------------------------------------------|
00609> CALIB NASHYD       ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00610>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00611>                     N=[3], TP=[0.12]hrs,
00612>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00613> *%-----------------|-------------------------------------------------------------------|
00614> CALIB NASHYD       ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00615>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00616>                     N=[3], TP=[0.13]hrs,
00617>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00618> *%-----------------|-------------------------------------------------------------------|
00619> CALIB NASHYD       ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
00620>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00621>                     N=[3], TP=[0.17]hrs,
00622>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00623> *%-----------------|-------------------------------------------------------------------|
00624> CALIB NASHYD       ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
00625>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00626>                     N=[3], TP=[0.17]hrs,
00627>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00628> *%-----------------|-------------------------------------------------------------------|
00629> *#-----------------|-------------------------------------------------------------------|
00630> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
00631> *#-----------------|-------------------------------------------------------------------|
00632> *#-----------------|-------------------------------------------------------------------|
00633> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
00634> *%-----------------|-------------------------------------------------------------------|
00635>
00636> CALIB NASHYD       ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00637>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00638>                     N=[3], TP=[0.12]hrs,
00639>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00640> *%-----------------|-------------------------------------------------------------------|
00641> CALIB NASHYD       ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
00642>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00643>                     N=[3], TP=[0.17]hrs,
00644>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00645> *%-----------------|-------------------------------------------------------------------|
00646> CALIB NASHYD       ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
00647>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00648>                     N=[3], TP=[0.17]hrs,
00649>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00650> *%-----------------|-------------------------------------------------------------------|
00651> CALIB NASHYD       ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
00652>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00653>                     N=[3], TP=[0.17]hrs,
00654>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00655> *%-----------------|-------------------------------------------------------------------|
00656> *#-----------------|-------------------------------------------------------------------|
00657> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
00658> *#-----------------|-------------------------------------------------------------------|
00659> *#-----------------|-------------------------------------------------------------------|
00660> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
00661> *%-----------------|-------------------------------------------------------------------|
00662>
00663> CALIB NASHYD       ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00664>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00665>                     N=[3], TP=[0.10]hrs,
00666>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00667> *%-----------------|-------------------------------------------------------------------|
00668> CALIB NASHYD       ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
00669>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00670>                     N=[3], TP=[0.17]hrs,
00671>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00672> *%-----------------|-------------------------------------------------------------------|
00673> CALIB NASHYD       ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
00674>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00675>                     N=[3], TP=[0.17]hrs,
00676>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00677> *%-----------------|-------------------------------------------------------------------|
00678> CALIB NASHYD       ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
00679>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00680>                     N=[3], TP=[0.17]hrs,
00681>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00682> *%-----------------|-------------------------------------------------------------------|
00683> CALIB NASHYD       ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
00684>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00685>                     N=[3], TP=[0.21]hrs,
00686>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00687> *%-----------------|-------------------------------------------------------------------|
00688> CALIB NASHYD       ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
00689>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00690>                     N=[3], TP=[0.17]hrs,
00691>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00692> *%-----------------|-------------------------------------------------------------------|
00693> CALIB NASHYD       ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
00694>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00695>                     N=[3], TP=[0.26]hrs,
00696>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00697> *%-----------------|-------------------------------------------------------------------|
00698> *#-----------------|-------------------------------------------------------------------|
00699> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
00700> *#-----------------|-------------------------------------------------------------------|
00701> *#-----------------|-------------------------------------------------------------------|
00702> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
00703> *%-----------------|-------------------------------------------------------------------|
00704>
00705> CALIB NASHYD       ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00706>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00707>                     N=[3], TP=[0.35]hrs,
00708>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00709> *%-----------------|-------------------------------------------------------------------|
00710> *#-----------------|-------------------------------------------------------------------|
00711> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
00712> *#-----------------|-------------------------------------------------------------------|
00713> *#-----------------|-------------------------------------------------------------------|
00714> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
00715> *%-----------------|-------------------------------------------------------------------|
00716>
00717> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00718>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00719>                     N=[3], TP=[.42]hrs,
00720>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00721> *%-----------------|-------------------------------------------------------------------|
00722> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
00723>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00724>                     N=[3], TP=[0.17]hrs,
00725>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00726> *%-----------------|-------------------------------------------------------------------|
00727> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
00728>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00729>                     N=[3], TP=[0.17]hrs,
00730>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00731>
00732> *%-----------------|-------------------------------------------------------------------|
00733>
00734> *%-----------------|-------------------------------------------------------------------|
00735> *#-----------------|-------------------------------------------------------------------|
00736> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
00737> *#-----------------|-------------------------------------------------------------------|
00738> *#-----------------|-------------------------------------------------------------------|
00739> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00740> *%-----------------|-------------------------------------------------------------------|
00741> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"],  IDin=[5],
00742>                     RDT=[1](min),
00743>                               TABLE of ( OUTFLOW-STORAGE ) values
00744>                                          (cms) - (ha-m)
00745>                                    [   0.0  ,   0.0 ]
00746>                                    [   0.0102 ,   0.002 ]
00747>                                    [   0.04230 ,   0.004 ]
00748>                                    [   0.0939 ,   0.006 ]
00749>                                    [   0.1286 ,   0.008 ]
00750>                                    [   0.16330 ,   0.045 ]
00751>                                    [   0.2489 ,   0.262 ]
00752>                                    [   0.3488 ,   0.622 ]
00753>                                    [   0.4601 ,   1.088 ]
00754>                                    [   0.51955 ,   1.623 ]
00755>                                    [   0.579 ,   1.925 ]
00756>                                    [   0.7014 ,   2.253 ]
00757>                                    [   0.8216 ,   2.951 ]
00758>                                    [   0.9345 ,   3.689 ]
00759>                                    [   -1  ,   -1  ]   (max twenty pts)
00760>                               IDovf=[6], NHYDovf=["OVF"]
00761> *%-----------------|-------------------------------------------------------------------|
00762> CALIB NASHYD       ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00763>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00764>                     N=[3], TP=[0.17]hrs,
00765>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00766> *%-----------------|-------------------------------------------------------------------|
00767> *%-----------------|-------------------------------------------------------------------|
00768> *#-----------------|-------------------------------------------------------------------|
00769> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
00770> *#-----------------|-------------------------------------------------------------------|
00771> *#-----------------|-------------------------------------------------------------------|
00772> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00773> *%-----------------|-------------------------------------------------------------------|
00774>
00775> *%-----------------|-------------------------------------------------------------------|
00776> *#-----------------|-------------------------------------------------------------------|
00777> *#-----------------|----------50YR-----------------------------------------------------|
00778> *#-----------------|-------------------------------------------------------------------|
00779> CHICAGO STORM      1UNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00780>                     ICASEcs=[2],
00781>                     Enter ordinates of IDF curve below, at least seven points
00782>                         TIME (min)     Intensity(mm/hr)
00783>                             [5    ]        [200]
00784>                             [10   ]        [130]
00785>                             [15   ]        [115]
00786>                             [30   ]        [74]
00787>                             [60   ]        [51 ]
00788>                             [180  ]        [31 ]
00789>                             [360  ]        [14 ]
00790>                             [720  ]        [7.2 ]
00791>                             [1440 ]        [4.0 ]
00792>                                -1             -1
00793> *%-----------------|-------------------------------------------------------------------|
00794> *#-----------------|-------------------------------------------------------------------|
00795> *#-----------------|-----------PRE-DEVELOPMENT-----------------------------------------|
00796> *#-----------------|-------------------------------------------------------------------|
00797>
00798> CALIB NASHYD       ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00799>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00800>                     N=[3], TP=[0.13]hrs,
00801>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00802> *%-----------------|-------------------------------------------------------------------|
00803> CALIB NASHYD       ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00804>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00805>                     N=[3], TP=[0.12]hrs,
00806>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00807> *%-----------------|-------------------------------------------------------------------|
00808> CALIB NASHYD       ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00809>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00810>                     N=[3], TP=[0.13]hrs,
```

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                        RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
*&-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.10]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.26]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
                    N=[3], TP=[0.35]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
                    N=[3], TP=[1.42]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1

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

*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
*%-----------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
                    RDT=[1](min),
                         TABLE of ( OUTFLOW-STORAGE ) values
                                   (cms) - (ha-m)
                                  [   0.0 ,   0.0 ]
                                  [   0.0102 ,   0.002 ]
                                  [   0.04230 ,   0.004 ]
                                  [   0.0939 ,   0.006 ]
                                  [   0.1286 ,   0.008 ]
                                  [   0.16330 ,   0.045 ]
                                  [   0.2489 ,   0.262 ]
                                  [   0.3488 ,   0.622 ]
                                  [   0.4601 ,   1.088 ]
                                  [   0.51955 ,   1.623 ]
                                  [   0.579 ,   1.925 ]
                                  [   0.7014 ,   2.253 ]
                                  [   0.8216 ,   2.951 ]
                                  [   0.9345 ,   3.689 ]
                                  [   -1  ,   -1  ]  (max twenty pts)
                              IDovf=[6], NHYDovf=["OVF"]
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["22"], IDs to add=[3,4]
*%-----------------|-------------------------------------------------------------|

*#-----------------|-------------------------------------------------------------|
*#-----------------|----------100YR-----------------------------------------------|
*#-----------------|-------------------------------------------------------------|
CHICAGO STORM       IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
                    ICASEccs=[2],
                    Enter ordinates of IDF curve below, at least seven points
                        TIME (min)     Intensity(mm/hr)
                          [5    ]        [215]
                          [10   ]        [145]
                          [15   ]        [125]
                          [30   ]        [82 ]
                          [60   ]        [56 ]
                          [180  ]        [34 ]
                          [360  ]        [16 ]
                          [720  ]        [8  ]
                          [1440]         [4.5  ]
                             -1             -1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|----------PRE-DEVELOPMENT--------------------------------------|
*#-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[5], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[2], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["INT-4"], DT=[5]min, AREA=[2.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-1"], DT=[5]min, AREA=[1.4](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[5,2,3,4,6]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[5], NHYD=["INT-5"], DT=[5]min, AREA=[0.9](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[5.8](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["UNC-3"], DT=[5]min, AREA=[1.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,5,6,7]
*%-----------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.10]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["INT-6"], DT=[5]min, AREA=[0.7](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["INT-3"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["UNC-4"], DT=[5]min, AREA=[3.2](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["Ext-6"], DT=[5]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[5]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  ,  ] (mm/hr),  END=-1
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[5]min, AREA=[12.8](ha),
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01081>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01082>                      N=[3], TP=[0.26]hrs,
01083>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01084> *%-----------------|-------------------------------------------------------|
01085> *#-----------------|-------------------------------------------------------|
01086> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
01087> *#-----------------|-------------------------------------------------------|
01088> *#-----------------|-------------------------------------------------------|
01089> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[5,6,7,8,4,9,10]
01090> *%-----------------|-------------------------------------------------------|
01091>
01092> CALIB NASHYD        ID=[4], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
01093>                      DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
01094>                      N=[3], TP=[0.35]hrs,
01095>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01096> *%-----------------|-------------------------------------------------------|
01097> *#-----------------|-------------------------------------------------------|
01098> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
01099> *#-----------------|-------------------------------------------------------|
01100> *#-----------------|-------------------------------------------------------|
01101> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[3,4]
01102> *%-----------------|-------------------------------------------------------|
01103>
01104> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
01105>                      DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
01106>                      N=[3], TP=[.42]hrs,
01107>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01108> *%-----------------|-------------------------------------------------------|
01109> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[5]min, AREA=[3.9](ha),
01110>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01111>                      N=[3], TP=[0.17]hrs,
01112>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01113> *%-----------------|-------------------------------------------------------|
01114> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[5]min, AREA=[5.2](ha),
01115>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01116>                      N=[3], TP=[0.17]hrs,
01117>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01118>
01119> *%-----------------|-------------------------------------------------------|
01120>
01121> *%-----------------|-------------------------------------------------------|
01122> *#-----------------|-------------------------------------------------------|
01123> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-----|
01124> *#-----------------|-------------------------------------------------------|
01125> *#-----------------|-------------------------------------------------------|
01126> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
01127> *%-----------------|-------------------------------------------------------|
01128> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
01129>                      RDT=[1](min),
01130>                            TABLE of { OUTFLOW-STORAGE } values
01131>                                       (cms) - (ha-m)
01132>                                    [   0.0 ,  0.0 ]
01133>                                    [   0.0102 ,  0.002 ]
01134>                                    [   0.04230 ,  0.004 ]
01135>                                    [   0.0939 ,  0.006 ]
01136>                                    [   0.1286 ,  0.008 ]
01137>                                    [   0.16330 ,  0.045 ]
01138>                                    [   0.2489 ,  0.262 ]
01139>                                    [   0.3488 ,  0.622 ]
01140>                                    [   0.4601 ,  1.088 ]
01141>                                    [   0.51955 ,  1.623 ]
01142>                                    [   0.579 ,  1.925 ]
01143>                                    [   0.7014 ,  2.253 ]
01144>                                    [   0.8216 ,  2.951 ]
01145>                                    [   0.9345 ,  3.689 ]
01146>                                    [   -1  ,  -1  ]  (max twenty pts)
01147>                               IDovf=[6], NHYDovf=["OVF"]
01148> *%-----------------|-------------------------------------------------------|
01149> CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
01150>                      DWF=[0](cms),  CN/C=[36], IA=[10](mm),
01151>                      N=[3], TP=[0.17]hrs,
01152>                      RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01153> *%-----------------|-------------------------------------------------------|
01154> *%-----------------|-------------------------------------------------------|
01155> *#-----------------|-------------------------------------------------------|
01156> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW -------|
01157> *#-----------------|-------------------------------------------------------|
01158> *#-----------------|-------------------------------------------------------|
01159> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
01160> *%-----------------|-------------------------------------------------------|
01161>
01162>
01163> FINISH
01164>
01165>
01166>
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00001> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
00002>
00003>  SSSSS  W    W  M    M  H    H  Y    Y  M    M    OOO          999    999  ==========
00004>  S      W    W  MM  MM  H    H   Y  Y   MM  MM   O   O        9   9  9   9
00005>  SSSSS  W  W  W  M MM M  HHHHH    Y     M MM M  O   O  ##    9   9  9   9  Ver. 4.02
00006>      S  W W W  M    M  H    H    Y     M    M  O   O          9999   9999  July 1999
00007>  SSSSS   W W   M    M  H    H    Y     M    M   OOO             9      9  ==========
00008>                                                               9   9  9   9  # 3737016
00009>       StormWater Management HYdrologic Model                   999    999  ==========
00010>
00011>  ************************************************************************
00012>  ************************* SWMHYMO-99 Ver/4.02 ************************
00013>  *******  A single event and continuous hydrologic simulation model  *******
00014>  *******       based on the principles of HYMO and its successors     *******
00015>  *******                 OTTHYMO-83 and OTTHYMO-89.                   *******
00016>  ************************************************************************
00017>  *******  Distributed by:  J.F. Sabourin and Associates Inc.           *******
00018>  *******                   Ottawa,  Ontario: (613) 727-5199           *******
00019>  *******                   Gatineau, Quebec: (819) 243-6858           *******
00020>  *******                   E-Mail: swmhymo@jfsa.com                   *******
00021>  ************************************************************************
00022>
00023>  ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
00024>  +++++++ Licensed user: C.F. Crozier & Associates Inc.          +++++++++
00025>  +++++++                Collingwood          SERIAL#:3737016   +++++++++
00026>  ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
00027>
00028>  ************************************************************************
00029>  *******                +++++++ PROGRAM ARRAY DIMENSIONS +++++++       *******
00030>  *******                Maximum value for ID numbers  :    10          *******
00031>  *******                Max. number of rainfall points:  15000         *******
00032>  *******                Max. number of flow points    :  15000         *******
00033>  ************************************************************************
00034>
00035>  *** DESCRIPTION SUMMARY TABLE HEADERS (units depend on METOUT in START) ***
00036>  ***------------------------------------------------------------------***
00037>  ***    ID:  Hydrograph IDentification numbers, (1-10).                ***
00038>  ***  NHYD:  Hydrograph reference numbers, (6 digits or characters).   ***
00039>  ***  AREA:  Drainage area associated with hydrograph, (ac.) or (ha.).  ***
00040>  *** QPEAK:  Peak flow of simulated hydrograph, (ft^3/s) or (m^3/s).   ***
00041>  *** TpeakDate_hh:mm is the date and time of the peak flow.            ***
00042>  ***  R.V.:  Runoff Volume of simulated hydrograph, (in) or (mm).      ***
00043>  ***  R.C.:  Runoff Coefficient of simulated hydrograph, (ratio).      ***
00044>  ***    *:  see WARNING or NOTE message printed at end of run.         ***
00045>  ***   **:  see  ERROR  message printed at end of run.                 ***
00046>  ************************************************************************
00047>  ************************************************************************
00048>
00049>  ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
00050>
00051>  ************************************************************************
00052>
00053>  ********************   S U M M A R Y   O U T P U T   ********************
00054>  ************************************************************************
00055>  *       DATE: 2008-03-26     TIME: 15:00:21       RUN COUNTER: 000679   *
00056>  ************************************************************************
00057>  * Input   filename: J:\119-TA~1\2528\Design\SWMHYM~1\SECOND~1\PRE-SWS.Dat *
00058>  * Output  filename: J:\119-TA~1\2528\Design\SWMHYM~1\SECOND~1\PRE-SWS.out *
00059>  * Summary filename: J:\119-TA~1\2528\Design\SWMHYM~1\SECOND~1\PRE-SWS.sum *
00060>  * User comments:                                                        *
00061>  * 1:                                                                   *
00062>  * 2:                                                                   *
00063>  * 3:                                                                   *
00064>  ************************************************************************
00065>
00066>
00067> #************************************************************************
00068> #  Project Name: (ALTA PHASE II)    Project Number: (119-)
00069> #  Date        : 05-24-2007
00070> #  Modeller    : (         )
00071> #  Company     : C.F. Crozier & Associates Inc.
00072> #  License #   : 3737016
00073> #************************************************************************
00074>  RUN:COMMAND#
00075>  001:0001-------------------------------------------------------------------
00076>       START
00077>        [TZERO =    .00 hrs on      0]
00078>        [METOUT=   2     (1=imperial, 2=metric output)]
00079>        [NSTORM=   0 ]
00080>        [NRUN  =   1 ]
00081> #-----------------|-----------------------------------------------------|
00082> #-----------------|----------25mm--------------------------------------|
00083> #-----------------|-----------------------------------------------------|
00084>  001:0002-------------------------------------------------------------------
00085>       READ STORM
00086>        Filename = 25mm.stm
00087>        Comment  = 25 mm Event
00088>        [SDT= 4.80:SDUR=   3.04:PTOT=  25.05]
00089> #-----------------|-----------------------------------------------------|
00090> #-----------------|-----------PRE-DEVELOPMENT--------------------------|
00091> #-----------------|-----------------------------------------------------|
00092>  001:0003----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00093>       CALIB NASHYD       05:EXT-1       3.50      .027 No_date    1:14     2.74 .110
00094>        [CN= 79.0: N= 3.00]
00095>        [Tp=  .13:DT= 1.20]
00096>  001:0004----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00097>       CALIB NASHYD       02:EXT-2       4.10      .032 No_date    1:13     2.74 .110
00098>        [CN= 79.0: N= 3.00]
00099>        [Tp=  .12:DT= 1.20]
00100>  001:0005----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00101>       CALIB NASHYD       03:EXT-3       2.20      .017 No_date    1:14     2.74 .110
00102>        [CN= 79.0: N= 3.00]
00103>        [Tp=  .13:DT= 1.20]
00104>  001:0006----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00105>       CALIB NASHYD       04:INT-4       2.00      .014 No_date    1:17     2.69 .107
00106>        [CN= 79.0: N= 3.00]
00107>        [Tp=  .17:DT= 4.80]
00108>  001:0007----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00109>       CALIB NASHYD       06:INT-1       1.40      .007 No_date    1:17     2.04 .081
00110>        [CN= 73.0: N= 3.00]
00111>        [Tp=  .17:DT= 4.80]
00112> #-----------------|-----------------------------------------------------|
00113> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT  |
00114> #-----------------|-----------------------------------------------------|
00115> #-----------------|-----------------------------------------------------|
00116>  001:0008----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00117>       ADD HYD            05:EXT-1       3.50      .027 No_date    1:14     2.74  n/a
00118>                        + 02:EXT-2       4.10      .032 No_date    1:13     2.74  n/a
00119>                        + 03:EXT-3       2.20      .017 No_date    1:14     2.74  n/a
00120>                        + 04:INT-4       2.00      .014 No_date    1:17     2.69  n/a
00121>                        + 06:INT-1       1.40      .007 No_date    1:17     2.04  n/a
00122>        [DT= 1.20]  SUM=  01:800mm      13.20      .096 No_date    1:14     2.66  n/a
00123>  001:0009----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00124>       CALIB NASHYD       04:EXT-4       2.60      .020 No_date    1:13     2.74 .110
00125>        [CN= 79.0: N= 3.00]
00126>        [Tp=  .12:DT= 1.20]
00127>  001:0010----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00128>       CALIB NASHYD       05:INT-5        .90      .006 No_date    1:17     2.69 .107
00129>        [CN= 79.0: N= 3.00]
00130>        [Tp=  .17:DT= 4.80]
00131>  001:0011----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00132>       CALIB NASHYD       06:INT-2       5.80      .029 No_date    1:17     2.04 .081
00133>        [CN= 73.0: N= 3.00]
00134>        [Tp=  .17:DT= 4.80]
00135>  001:0012----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00136>       CALIB NASHYD       07:UNC-3       1.90      .010 No_date    1:17     2.04 .081
00137>        [CN= 73.0: N= 3.00]
00138>        [Tp=  .17:DT= 4.80]
00139> #-----------------|-----------------------------------------------------|
00140> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00141> #-----------------|-----------------------------------------------------|
00142> #-----------------|-----------------------------------------------------|
00143>  001:0013----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00144>       ADD HYD            04:EXT-4       2.60      .020 No_date    1:13     2.74  n/a
00145>                        + 05:INT-5        .90      .006 No_date    1:17     2.69  n/a
00146>                        + 06:INT-2       5.80      .029 No_date    1:17     2.04  n/a
00147>                        + 07:UNC-3       1.90      .010 No_date    1:17     2.04  n/a
00148>        [DT= 1.20]  SUM=  02:900mm      11.20      .065 No_date    1:17     2.25  n/a
00149>  001:0014----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00150>       CALIB NASHYD       05:EXT-5       5.20      .044 No_date    1:11     2.74 .110
00151>        [CN= 79.0: N= 3.00]
00152>        [Tp=  .10:DT= 1.20]
00153>  001:0015----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00154>       CALIB NASHYD       06:INT-6        .70      .005 No_date    1:17     2.69 .107
00155>        [CN= 79.0: N= 3.00]
00156>        [Tp=  .17:DT= 4.80]
00157>  001:0016----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00158>       CALIB NASHYD       07:INT-3       4.90      .025 No_date    1:17     2.04 .081
00159>        [CN= 73.0: N= 3.00]
00160>        [Tp=  .17:DT= 4.80]
00161>  001:0017----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00162>       CALIB NASHYD       08:UNC-4       3.20      .016 No_date    1:17     2.04 .081
00163>        [CN= 73.0: N= 3.00]
00164>        [Tp=  .17:DT= 4.80]
00165>  001:0018----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00166>       CALIB NASHYD       04:Ext-6       6.00      .038 No_date    1:22     2.69 .107
00167>        [CN= 79.0: N= 3.00]
00168>        [Tp=  .21:DT= 4.80]
00169>  001:0019----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00170>       CALIB NASHYD       09:Ext-7       6.00      .041 No_date    1:17     2.69 .107
00171>        [CN= 79.0: N= 3.00]
00172>        [Tp=  .17:DT= 4.80]
00173>  001:0020----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00174>       CALIB NASHYD       10:Ext-8      12.80      .073 No_date    1:26     2.69 .107
00175>        [CN= 79.0: N= 3.00]
00176>        [Tp=  .26:DT= 4.80]
00177> #-----------------|-----------------------------------------------------|
00178> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00179> #-----------------|-----------------------------------------------------|
00180> #-----------------|-----------------------------------------------------|
00181>  001:0021----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00182>       ADD HYD            05:EXT-6       5.20      .044 No_date    1:11     2.74  n/a
00183>                        + 06:INT-6        .70      .005 No_date    1:17     2.69  n/a
00184>                        + 07:INT-3       4.90      .025 No_date    1:17     2.04  n/a
00185>                        + 08:UNC-4       3.20      .016 No_date    1:17     2.04  n/a
00186>                        + 04:Ext-6       6.00      .038 No_date    1:22     2.69  n/a
00187>                        + 09:Ext-7       6.00      .041 No_date    1:17     2.69  n/a
00188>                        + 10:Ext-8      12.80      .073 No_date    1:26     2.69  n/a
00189>        [DT= 1.20]  SUM=  03:NE_DIT     38.80      .227 No_date    1:17     2.56  n/a
00190>  001:0022----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00191>       CALIB NASHYD       04:Ext-9       7.00      .016 No_date    1:36     1.24 .050
00192>        [CN= 60.0: N= 3.00]
00193>        [Tp=  .35:DT= 4.80]
00194> #-----------------|-----------------------------------------------------|
00195> #-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
00196> #-----------------|-----------------------------------------------------|
00197> #-----------------|-----------------------------------------------------|
00198>  001:0023----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00199>       ADD HYD            03:NE_DIT      38.80      .227 No_date    1:17     2.56  n/a
00200>                        + 04:EXT-9       7.00      .016 No_date    1:36     1.24  n/a
00201>        [DT= 1.20]  SUM=  05:21A       45.80      .239 No_date    1:22     2.36  n/a
00202>  001:0024----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00203>       CALIB NASHYD       04:Ext-10      27.90      .038 No_date    1:46      .83 .033
00204>        [CN= 49.4: N= 3.00]
00205>        [Tp=  .42:DT= 4.80]
00206>  001:0025----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00207>       CALIB NASHYD       03:Ext-11      3.90      .020 No_date    1:17     2.04 .081
00208>        [CN= 73.0: N= 3.00]
00209>        [Tp=  .17:DT= 4.80]
00210>  001:0026----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00211>       CALIB NASHYD       06:Ext-12      5.20      .035 No_date    1:17     2.69 .107
00212>        [CN= 79.0: N= 3.00]
00213>        [Tp=  .17:DT= 4.80]
00214> #-----------------|-----------------------------------------------------|
00215> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00216> #-----------------|-----------------------------------------------------|
00217> #-----------------|-----------------------------------------------------|
00218>  001:0027----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00219>       ADD HYD            01:800mm       13.20      .096 No_date    1:14     2.66  n/a
00220>                        + 02:900mm       11.20      .065 No_date    1:17     2.25  n/a
00221>                        + 04:Ext-10      27.90      .038 No_date    1:46      .83  n/a
00222>                        + 03:Ext-11       3.90      .020 No_date    1:17     2.04  n/a
00223>                        + 06:Ext-12       5.20      .035 No_date    1:17     2.69  n/a
00224>        [DT= 1.20]  SUM=  05:WET-ST      61.40      .236 No_date    1:17     1.72  n/a
00225>  001:0028----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00226>       ROUTE RESERVOIR -> 05:WET-ST      61.40      .236 No_date    1:17     1.72  n/a
00227>        [RDT= 1.20] out<- 04:22          61.40      .141 No_date    1:53     1.72  n/a
00228>                          ovr flow <- 06:OVF      .00      .000 No_date    0:00      .00  n/a
00229>        [MxStoUsed= 2.3E-01, TotOvfVol=1.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
00230>  001:0029----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00231>       CALIB NASHYD       03:Ext-10      4.90      .006 No_date    1:17      .48 .019
00232>        [CN= 36.0: N= 3.00]
00233>        [Tp=  .17:DT= 4.80]
00234> #-----------------|-----------------------------------------------------|
00235> #-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00236> #-----------------|-----------------------------------------------------|
00237> #-----------------|-----------------------------------------------------|
00238>  001:0030----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00239>       ADD HYD            03:Ext-10      4.90      .006 No_date    1:17      .48  n/a
00240>                        + 04:22          61.40      .141 No_date    1:53     1.72  n/a
00241>        [DT= 1.20]  SUM=  05:22          66.30      .144 No_date    1:48     1.63  n/a
00242> #-----------------|-----------------------------------------------------|
00243> #-----------------|----------2 YEAR-------------------------------------|
00244> #-----------------|-----------------------------------------------------|
00245>  001:0031-------------------------------------------------------------------
00246>       CHICAGO STORM
00247>        [SDT=10.00:SDUR=   4.00:PTOT=  37.95]
00248>        [A/B/C=1461.279/  18.094/    .907: R=.9944]
00249> #-----------------|-----------------------------------------------------|
00250> #-----------------|-----------PRE-DEVELOPMENT--------------------------|
00251> #-----------------|-----------------------------------------------------|
00252>  001:0032----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00253>       CALIB NASHYD       05:EXT-1       3.50      .089 No_date    1:33     8.18 .216
00254>        [CN= 79.0: N= 3.00]
00255>        [Tp=  .13:DT= 1.00]
00256>  001:0033----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00257>       CALIB NASHYD       02:EXT-2       4.10      .107 No_date    1:32     8.18 .216
00258>        [CN= 79.0: N= 3.00]
00259>        [Tp=  .12:DT= 1.00]
00260>  001:0034----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00261>       CALIB NASHYD       03:EXT-3       2.20      .056 No_date    1:33     8.18 .216
00262>        [CN= 79.0: N= 3.00]
00263>        [Tp=  .13:DT= 1.00]
00264>  001:0035----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00265>       CALIB NASHYD       04:INT-4       2.00      .046 No_date    1:35     8.18 .216
00266>        [CN= 79.0: N= 3.00]
00267>        [Tp=  .17:DT= 5.00]
00268>  001:0036----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00269>       CALIB NASHYD       06:INT-1       1.40      .025 No_date    1:35     6.41 .169
00270>        [CN= 73.0: N= 3.00]
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      [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0037--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              05:EXT-1     3.50     .089 No_date    1:33    8.18  n/a
                         + 02:EXT-2     4.10     .107 No_date    1:32    8.18  n/a
                         + 03:EXT-3     2.20     .056 No_date    1:33    8.18  n/a
                         + 04:INT-4     2.00     .046 No_date    1:35    8.18  n/a
                         + 06:INT-1     1.40     .025 No_date    1:35    6.41  n/a
       [DT= 1.00]  SUM=  01:800mm     13.20     .321 No_date    1:33    7.99  n/a
 001:0038--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:EXT-4     2.60     .068 No_date    1:32    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .12:DT= 1.00]
 001:0039--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         05:INT-5      .90     .021 No_date    1:35    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0040--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:INT-2     5.80     .102 No_date    1:35    6.41 .169
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0041--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         07:UNC-3     1.90     .033 No_date    1:35    6.41 .169
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0042--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              04:EXT-4     2.60     .068 No_date    1:32    8.18  n/a
                         + 05:INT-5      .90     .021 No_date    1:35    8.18  n/a
                         + 06:INT-2     5.80     .102 No_date    1:35    6.41  n/a
                         + 07:UNC-3     1.90     .033 No_date    1:35    6.41  n/a
       [DT= 1.00]  SUM=  02:900mm     11.20     .221 No_date    1:35    6.96  n/a
 001:0043--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         05:EXT-5     5.20     .142 No_date    1:31    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .10:DT= 1.00]
 001:0044--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:INT-6      .70     .016 No_date    1:35    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0045--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         07:INT-3     4.90     .086 No_date    1:35    6.41 .169
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0046--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         08:UNC-4     3.20     .056 No_date    1:35    6.41 .169
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0047--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         09:Ext-6     6.00     .126 No_date    1:40    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .21:DT= 5.00]
 001:0048--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         09:Ext-7     6.00     .137 No_date    1:35    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0049--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         10:Ext-8    12.80     .245 No_date    1:45    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .26:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0050--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              05:EXT-5     5.20     .142 No_date    1:31    8.18  n/a
                         + 06:INT-6      .70     .016 No_date    1:35    8.18  n/a
                         + 07:INT-3     4.90     .086 No_date    1:35    6.41  n/a
                         + 08:UNC-4     3.20     .056 No_date    1:35    6.41  n/a
                         + 04:Ext-6     6.00     .126 No_date    1:40    8.18  n/a
                         + 09:Ext-7     6.00     .137 No_date    1:35    8.18  n/a
                         + 10:Ext-8    12.80     .245 No_date    1:45    8.18  n/a
       [DT= 1.00]  SUM=  03:NE_DIT    38.80     .767 No_date    1:35    7.81  n/a
 001:0051--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:Ext-9     7.00     .055 No_date    1:55    4.02 .106
       [CN= 60.0: N= 3.00]
       [Tp=  .35:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
#----------------|-----------------------------------------------------------------------|
 001:0052--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              03:NE_DIT    38.80     .767 No_date    1:35    7.81  n/a
                         + 04:Ext-9     7.00     .055 No_date    1:55    4.02  n/a
       [DT= 1.00]  SUM=  05:21A       45.80     .810 No_date    1:40    7.23  n/a
 001:0053--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:Ext-10    27.90     .135 No_date    2:00    2.75 .072
       [CN= 49.4: N= 3.00]
       [Tp=  .42:DT= 5.00]
 001:0054--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         03:Ext-11     3.90     .068 No_date    1:35    6.41 .169
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0055--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:Ext-12     5.20     .119 No_date    1:35    8.18 .216
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0056--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              01:800mm    13.20     .321 No_date    1:33    7.99  n/a
                         + 02:900mm    11.20     .221 No_date    1:35    6.96  n/a
                         + 04:Ext-10   27.90     .135 No_date    2:00    2.75  n/a
                         + 03:Ext-11    3.90     .068 No_date    1:35    6.41  n/a
                         + 06:Ext-12    5.20     .119 No_date    1:35    8.18  n/a
       [DT= 1.00]  SUM=  06:WET-ST    61.40     .803 No_date    1:35    5.34  n/a
 001:0057--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ROUTE RESERVOIR -> 05:WET-ST    61.40     .803 No_date    1:35    5.34  n/a
       [RDT= 1.00] out<- 04:22        61.40     .208 No_date    2:49    5.34  n/a
                 overflow <= 06:OVF       .00     .000 No_date    0:00     .00  n/a
      (MxStoUsed=.1588E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0058--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         03:Ext-10     4.90     .021 No_date    1:35    1.63 .043
       [CN= 36.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0059--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              03:Ext-10     4.90     .021 No_date    1:35    1.63  n/a
                         + 04:22        61.40     .208 No_date    2:49    5.34  n/a
       [DT= 1.00]  SUM=  05:22        66.30     .213 No_date    2:39    5.06  n/a
#----------------|-----------------------------------------------------------------------|
#----------------|----------10YR-----------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0060--------------------------------------------------------------------------
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      CHICAGO STORM
       [SDT=10.00:SDUR=   4.00:PTOT=  58.19]
       [A/B/C=1786.143/  15.082/     .868: R=.9956]
#----------------|-----------------------------------------------------------------------|
#----------------|-----------PRE-DEVELOPMENT-----------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0061--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         05:EXT-1     3.50     .236 No_date    1:31   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .13:DT= 1.00]
 001:0062--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         02:EXT-2     4.10     .282 No_date    1:29   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .12:DT= 1.00]
 001:0063--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         03:EXT-3     2.20     .148 No_date    1:31   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .13:DT= 1.00]
 001:0064--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:INT-4     2.00     .121 No_date    1:30   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0065--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:INT-1     1.40     .067 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0066--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              05:EXT-1     3.50     .236 No_date    1:31   20.07  n/a
                         + 02:EXT-2     4.10     .282 No_date    1:29   20.07  n/a
                         + 03:EXT-3     2.20     .148 No_date    1:31   20.07  n/a
                         + 04:INT-4     2.00     .121 No_date    1:30   20.07  n/a
                         + 06:INT-1     1.40     .067 No_date    1:30   16.34  n/a
       [DT= 1.00]  SUM=  01:800mm     13.20     .854 No_date    1:30   19.67  n/a
 001:0067--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:EXT-4     2.60     .179 No_date    1:29   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .12:DT= 1.00]
 001:0068--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         05:INT-5      .90     .055 No_date    1:30   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0069--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:INT-2     5.80     .277 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0070--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         07:UNC-3     1.90     .091 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0071--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              04:EXT-4     2.60     .179 No_date    1:29   20.07  n/a
                         + 05:INT-5      .90     .055 No_date    1:30   20.07  n/a
                         + 06:INT-2     5.80     .277 No_date    1:30   16.34  n/a
                         + 07:UNC-3     1.90     .091 No_date    1:30   16.34  n/a
       [DT= 1.00]  SUM=  02:900mm     11.20     .601 No_date    1:30   17.50  n/a
 001:0072--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         05:EXT-5     5.20     .381 No_date    1:25   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .10:DT= 1.00]
 001:0073--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:INT-6      .70     .042 No_date    1:30   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0074--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         07:INT-3     4.90     .234 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0075--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         08:UNC-4     3.20     .153 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0076--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:Ext-6     6.00     .332 No_date    1:35   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .21:DT= 5.00]
 001:0077--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         09:Ext-7     6.00     .364 No_date    1:30   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0078--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         10:Ext-8    12.80     .638 No_date    1:40   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .26:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0079--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              05:EXT-5     5.20     .381 No_date    1:25   20.07  n/a
                         + 06:INT-6      .70     .042 No_date    1:30   20.07  n/a
                         + 07:INT-3     4.90     .234 No_date    1:30   16.34  n/a
                         + 08:UNC-4     3.20     .153 No_date    1:30   16.34  n/a
                         + 04:Ext-6     6.00     .332 No_date    1:35   20.07  n/a
                         + 09:Ext-7     6.00     .364 No_date    1:30   20.07  n/a
                         + 10:Ext-8    12.80     .638 No_date    1:40   20.07  n/a
       [DT= 1.00]  SUM=  03:NE_DIT    38.80    2.034 No_date    1:35   19.29  n/a
 001:0080--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:Ext-9     7.00     .152 No_date    1:50   10.77 .185
       [CN= 60.0: N= 3.00]
       [Tp=  .35:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0081--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              03:NE_DIT    38.80    2.034 No_date    1:35   19.29  n/a
                         + 04:Ext-9     7.00     .152 No_date    1:50   10.77  n/a
       [DT= 1.00]  SUM=  05:21A       45.80    2.155 No_date    1:35   17.99  n/a
 001:0082--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         04:Ext-10    27.90     .379 No_date    1:55    7.59 .130
       [CN= 49.4: N= 3.00]
       [Tp=  .42:DT= 5.00]
 001:0083--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         03:Ext-11     3.90     .196 No_date    1:30   16.34 .281
       [CN= 73.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
 001:0084--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD         06:Ext-12     5.20     .315 No_date    1:30   20.07 .345
       [CN= 79.0: N= 3.00]
       [Tp=  .17:DT= 5.00]
#----------------|-----------------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
#----------------|-----------------------------------------------------------------------|
#----------------|-----------------------------------------------------------------------|
 001:0085--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD              01:800mm    13.20     .854 No_date    1:30   19.67  n/a
                         + 02:900mm    11.20     .601 No_date    1:30   17.50  n/a
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                    +  04:Ext-10    27.90      .379 No_date    1:55     7.59  n/a
                    +  03:Ext-11     3.90      .186 No_date    1:30    16.34  n/a
                    +  06:Ext-12     5.20      .315 No_date    1:30    20.07  n/a
      {DT= 1.00}  SUM=  05:WET-ST   61.40     2.151 No_date    1:32    13.61  n/a
 001:0086----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ROUTE RESERVOIR -> 05:WET-ST   61.40     2.151 No_date    1:32    13.61  n/a
      {RDT= 1.00} out<- 04:22        61.40      .324 No_date    3:22    13.61  n/a
            overflow <= 06:OVF         .00      .000 No_date    0:00      .00  n/a
      {MxStoUsed=.5339E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0087----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        03:Ext-10    4.90      .061 No_date    1:35     4.65 .080
       {CN= 36.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0088----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             03:Ext-10    4.90      .061 No_date    1:35     4.65  n/a
                        +  04:22       61.40      .324 No_date    3:22    13.61  n/a
      {DT= 1.00}  SUM=  05:22        66.30      .334 No_date    3:07    12.94  n/a
#-----------------|-------------------------------------------------------------|
#-----------------|----------25YR-----------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0089----------------------------------------------------------------------
      CHICAGO STORM
       {SDT=10.00:SDUR=   4.00:PTOT=  68.79}
       {A/B/C=2004.494/  14.438/    .859: R=.9957}
#-----------------|-------------------------------------------------------------|
#-----------------|----------PRE-DEVELOPMENT------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0090----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:EXT-1     3.50      .330 No_date    1:29    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .13:DT= 1.00}
 001:0091----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        02:EXT-2     4.10      .397 No_date    1:27    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .12:DT= 1.00}
 001:0092----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        03:EXT-3     2.20      .207 No_date    1:29    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .13:DT= 1.00}
 001:0093----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:INT-4     2.00      .171 No_date    1:30    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0094----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-1     1.40      .096 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0095----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             05:EXT-1     3.50      .330 No_date    1:29    27.36  n/a
                        +  02:EXT-2     4.10      .397 No_date    1:27    27.36  n/a
                        +  03:EXT-3     2.20      .207 No_date    1:29    27.36  n/a
                        +  04:INT-4     2.00      .171 No_date    1:30    27.36  n/a
                        +  06:INT-1     1.40      .096 No_date    1:30    22.63  n/a
      {DT= 1.00}  SUM=  01:800mm     13.20     1.196 No_date    1:30    26.86  n/a
 001:0096----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:EXT-4     2.60      .252 No_date    1:27    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .12:DT= 1.00}
 001:0097----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:INT-5      .90      .077 No_date    1:30    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0098----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-2     5.80      .397 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0099----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        07:UNC-3     1.90      .130 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0100----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             04:EXT-4     2.60      .252 No_date    1:27    27.36  n/a
                        +  05:INT-5      .90      .077 No_date    1:30    27.36  n/a
                        +  06:INT-2     5.80      .397 No_date    1:30    22.63  n/a
                        +  07:UNC-3     1.90      .130 No_date    1:30    22.63  n/a
      {DT= 1.00}  SUM=  02:900mm     11.20      .852 No_date    1:30    24.11  n/a
 001:0101----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:EXT-5     5.20      .543 No_date    1:25    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .10:DT= 1.00}
 001:0102----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-6      .70      .060 No_date    1:30    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0103----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        07:INT-3     4.90      .335 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0104----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        08:UNC-4     3.20      .219 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0105----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:Ext-6     6.00      .463 No_date    1:35    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .21:DT= 5.00}
 001:0106----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        09:Ext-7     6.00      .513 No_date    1:30    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0107----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        10:Ext-8    12.80      .886 No_date    1:40    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .26:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0108----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             05:EXT-5     5.20      .543 No_date    1:25    27.36  n/a
                        +  06:INT-6      .70      .060 No_date    1:30    27.36  n/a
                        +  07:INT-3     4.90      .335 No_date    1:30    22.63  n/a
                        +  08:UNC-4     3.20      .219 No_date    1:30    22.63  n/a
                        +  04:Ext-6     6.00      .463 No_date    1:35    27.36  n/a
                        +  09:Ext-7     6.00      .513 No_date    1:30    27.36  n/a
                        +  10:Ext-8    12.80      .886 No_date    1:40    27.36  n/a
      {DT= 1.00}  SUM=  03:NE_DIT    38.80     2.850 No_date    1:31    26.37  n/a
 001:0109----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:Ext-9     7.00      .217 No_date    1:50    15.26 .222
       {CN= 60.0: N= 3.00}
       {Tp=  .35:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0110----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             03:NE_DIT    38.80     2.850 No_date    1:31    26.37  n/a
                        +  04:Ext-9     7.00      .217 No_date    1:50    15.26  n/a
      {DT= 1.00}  SUM=  05:21A       45.80     3.008 No_date    1:33    24.68  n/a
 001:0111----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:Ext-10    27.90      .550 No_date    1:55    10.90 .158
       {CN= 49.4: N= 3.00}
       {Tp=  .42:DT= 5.00}
 001:0112----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        03:Ext-11     3.90      .267 No_date    1:30    22.63 .329
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0113----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:Ext-12     5.20      .444 No_date    1:30    27.36 .398
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0114----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             01:800mm    13.20     1.196 No_date    1:30    26.86  n/a
                        +  02:900mm    11.20      .852 No_date    1:30    24.11  n/a
                        +  04:Ext-10   27.90      .550 No_date    1:55    10.90  n/a
                        +  03:Ext-11    3.90      .267 No_date    1:30    22.63  n/a
                        +  06:Ext-12    5.20      .444 No_date    1:30    27.36  n/a
      {DT= 1.00}  SUM=  05:WET-ST    61.40     3.046 No_date    1:30    18.88  n/a
 001:0115----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ROUTE RESERVOIR -> 05:WET-ST   61.40     3.046 No_date    1:30    18.88  n/a
      {RDT= 1.00} out<- 04:22        61.40      .389 No_date    3:35    18.88  n/a
            overflow <= 06:OVF         .00      .000 No_date    0:00      .00  n/a
      {MxStoUsed=.7888E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0116----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        03:Ext-10     4.90      .090 No_date    1:30     6.77 .098
       {CN= 36.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0117----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             03:Ext-10     4.90      .090 No_date    1:30     6.77  n/a
                        +  04:22       61.40      .389 No_date    3:35    18.88  n/a
      {DT= 1.00}  SUM=  05:22        66.30      .401 No_date    3:14    17.99  n/a
#-----------------|-------------------------------------------------------------|
#-----------------|----------50YR-----------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0118----------------------------------------------------------------------
      CHICAGO STORM
       {SDT=10.00:SDUR=   4.00:PTOT=  75.40}
       {A/B/C=2171.774/  14.262/    .857: R=.9956}
#-----------------|-------------------------------------------------------------|
#-----------------|----------PRE-DEVELOPMENT------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0119----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:EXT-1     3.50      .395 No_date    1:28    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .13:DT= 1.00}
 001:0120----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        02:EXT-2     4.10      .477 No_date    1:27    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .12:DT= 1.00}
 001:0121----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        03:EXT-3     2.20      .248 No_date    1:28    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .13:DT= 1.00}
 001:0122----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:INT-4     2.00      .204 No_date    1:30    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0123----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-1     1.40      .116 No_date    1:30    26.84 .356
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0124----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             05:EXT-1     3.50      .395 No_date    1:28    32.18  n/a
                        +  02:EXT-2     4.10      .477 No_date    1:27    32.18  n/a
                        +  03:EXT-3     2.20      .248 No_date    1:28    32.18  n/a
                        +  04:INT-4     2.00      .204 No_date    1:30    32.18  n/a
                        +  06:INT-1     1.40      .116 No_date    1:30    26.84  n/a
      {DT= 1.00}  SUM=  01:800mm     13.20     1.428 No_date    1:29    31.62  n/a
 001:0125----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:EXT-4     2.60      .302 No_date    1:27    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .12:DT= 1.00}
 001:0126----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:INT-5      .90      .092 No_date    1:30    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0127----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-2     5.80      .479 No_date    1:30    26.84 .356
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0128----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        07:UNC-3     1.90      .157 No_date    1:30    26.84 .356
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0129----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD             04:EXT-4     2.60      .302 No_date    1:27    32.18  n/a
                        +  05:INT-5      .90      .092 No_date    1:30    32.18  n/a
                        +  06:INT-2     5.80      .479 No_date    1:30    26.84  n/a
                        +  07:UNC-3     1.90      .157 No_date    1:30    26.84  n/a
      {DT= 1.00}  SUM=  02:900mm     11.20     1.023 No_date    1:30    28.51  n/a
 001:0130----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        05:EXT-5     5.20      .653 No_date    1:24    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .10:DT= 1.00}
 001:0131----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        06:INT-6      .70      .072 No_date    1:30    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0132----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        07:INT-3     4.90      .404 No_date    1:30    26.84 .356
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0133----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        08:UNC-4     3.20      .264 No_date    1:30    26.84 .356
       {CN= 73.0: N= 3.00}
       {Tp=  .17:DT= 5.00}
 001:0134----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        04:Ext-6     6.00      .551 No_date    1:35    32.18 .427
       {CN= 79.0: N= 3.00}
       {Tp=  .21:DT= 5.00}
 001:0135----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD        09:Ext-7     6.00      .613 No_date    1:30    32.18 .427
```

```
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0136----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       10:Ext-8     12.80    1.053 No_date    1:40   32.18 .427
      {CN= 79.0: N= 3.00}
      {Tp=  .26:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0137----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            05:EXT-5      5.20     .653 No_date    1:24   32.18  n/a
                    +   06:INT-6       .70     .072 No_date    1:30   32.18  n/a
                    +   07:INT-3      4.90     .404 No_date    1:30   26.84  n/a
                    +   08:UNC-4      3.20     .264 No_date    1:30   26.84  n/a
                    +   04:Ext-6      6.00     .551 No_date    1:35   32.18  n/a
                    +   09:Ext-7      6.00     .613 No_date    1:30   32.18  n/a
                    +   10:Ext-8     12.80    1.053 No_date    1:40   32.18  n/a
      {DT= 1.00}  SUM=  03:NE_DIT    38.80    3.420 No_date    1:30   31.07  n/a
 001:0138----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:Ext-9      7.00     .263 No_date    1:45   18.34 .243
      {CN= 60.0: N= 3.00}
      {Tp=  .35:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0139----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            03:NE_DIT     38.80    3.420 No_date    1:30   31.07  n/a
                    +   04:Ext-9       7.00     .263 No_date    1:45   18.34  n/a
      {DT= 1.00}  SUM=  05:21A       45.80    3.601 No_date    1:32   29.12  n/a
 001:0140----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:Ext-10     27.90     .671 No_date    1:55   13.21 .175
      {CN= 49.4: N= 3.00}
      {Tp=  .42:DT= 5.00}
 001:0141----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       03:Ext-11      3.90     .322 No_date    1:30   26.84 .356
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0142----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       06:Ext-12      5.20     .531 No_date    1:30   32.18 .427
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0143----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            01:800mm      13.20    1.428 No_date    1:29   31.62  n/a
                    +   02:900mm      11.20    1.023 No_date    1:30   28.51  n/a
                    +   04:Ext-10     27.90     .671 No_date    1:55   13.21  n/a
                    +   03:Ext-11      3.90     .322 No_date    1:30   26.84  n/a
                    +   06:Ext-12      5.20     .531 No_date    1:30   32.18  n/a
      {DT= 1.00}  SUM=  05:WET-ST     61.40    3.662 No_date    1:30   22.43  n/a
 001:0144----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ROUTE RESERVOIR -> 05:WET-ST     61.40    3.662 No_date    1:30   22.43  n/a
      {RDT= 1.00} out<- 04:22         61.40     .431 No_date    3:41   22.43  n/a
                overflow <= 06:OVF        .00     .000 No_date    0:00     .00  n/a
     {MxStoUsed=.9644E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=   0.hrs
 001:0145----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       03:Ext-10      4.90     .112 No_date    1:30    8.27 .110
      {CN= 36.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------- |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0146----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            03:Ext-10      4.90     .112 No_date    1:30    8.27  n/a
                    +   04:22         61.40     .431 No_date    3:41   22.43  n/a
      {DT= 1.00}  SUM=  05:22         66.30     .445 No_date    3:20   21.35  n/a
#----------------|-------------------------------------------------------------|
#----------------|----------100YR-----------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0147----------------------------------------------------------------------
     CHICAGO STORM
      {SDT=10.00:SDUR=    4.00:PTOT=  84.33}
      {A/B/C=2435.365/  15.071/    .857: R=.9959}
#----------------|-------------------------------------------------------------|
#----------------|-----------PRE-DEVELOPMENT-------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0148----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       05:EXT-1       3.50     .478 No_date    1:28   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .13:DT= 1.00}
 001:0149----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       02:EXT-2       4.10     .577 No_date    1:26   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .12:DT= 1.00}
 001:0150----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       03:EXT-3       2.20     .300 No_date    1:28   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .13:DT= 1.00}
 001:0151----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:INT-4       2.00     .248 No_date    1:30   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0152----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       06:INT-1       1.40     .142 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 600mm CULVERT       |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0153----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            05:EXT-1       3.50     .478 No_date    1:28   38.95  n/a
                    +   02:EXT-2       4.10     .577 No_date    1:26   38.95  n/a
                    +   03:EXT-3       2.20     .300 No_date    1:28   38.95  n/a
                    +   04:INT-4       2.00     .248 No_date    1:30   38.95  n/a
                    +   06:INT-1       1.40     .142 No_date    1:30   32.83  n/a
      {DT= 1.00}  SUM=  01:800mm      13.20    1.728 No_date    1:28   38.30  n/a
 001:0154----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:EXT-4       2.60     .366 No_date    1:26   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .12:DT= 1.00}
 001:0155----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       05:INT-5        .90     .111 No_date    1:30   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0156----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       06:INT-2       5.80     .586 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0157----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       07:UNC-3       1.90     .192 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0158----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            04:EXT-4       2.60     .366 No_date    1:26   38.95  n/a
                    +   05:INT-5        .90     .111 No_date    1:30   38.95  n/a
                    +   06:INT-2       5.80     .586 No_date    1:30   32.83  n/a
                    +   07:UNC-3       1.90     .192 No_date    1:30   32.83  n/a
      {DT= 1.00}  SUM=  02:900mm      11.20    1.246 No_date    1:30   34.74  n/a
 001:0159----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       05:EXT-5       5.20     .791 No_date    1:24   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .10:DT= 1.00}
 001:0160----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       06:INT-6        .70     .087 No_date    1:30   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0161----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       07:INT-3       4.90     .495 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0162----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       08:UNC-4       3.20     .323 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0163----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:Ext-6       6.00     .668 No_date    1:35   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .21:DT= 5.00}
 001:0164----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       09:Ext-7       6.00     .743 No_date    1:30   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0165----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       10:Ext-8      12.80    1.276 No_date    1:40   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .26:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0166----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            05:EXT-5       5.20     .791 No_date    1:24   38.95  n/a
                    +   06:INT-6        .70     .087 No_date    1:30   38.95  n/a
                    +   07:INT-3       4.90     .495 No_date    1:30   32.83  n/a
                    +   08:UNC-4       3.20     .323 No_date    1:30   32.83  n/a
                    +   04:Ext-6       6.00     .668 No_date    1:35   38.95  n/a
                    +   09:Ext-7       6.00     .743 No_date    1:30   38.95  n/a
                    +   10:Ext-8      12.80    1.276 No_date    1:40   38.95  n/a
      {DT= 1.00}  SUM=  03:NE_DIT     38.80    4.164 No_date    1:30   37.67  n/a
 001:0167----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:Ext-9       7.00     .328 No_date    1:45   22.80 .270
      {CN= 60.0: N= 3.00}
      {Tp=  .35:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0168----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            03:NE_DIT     38.80    4.164 No_date    1:30   37.67  n/a
                    +   04:Ext-9       7.00     .328 No_date    1:45   22.80  n/a
      {DT= 1.00}  SUM=  05:21A       45.80    4.388 No_date    1:31   35.40  n/a
 001:0169----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       04:Ext-10     27.90     .843 No_date    1:55   16.59 .197
      {CN= 49.4: N= 3.00}
      {Tp=  .42:DT= 5.00}
 001:0170----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       03:Ext-11      3.90     .394 No_date    1:30   32.83 .389
      {CN= 73.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
 001:0171----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       06:Ext-12      5.20     .644 No_date    1:30   38.95 .462
      {CN= 79.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0172----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            01:800mm      13.20    1.728 No_date    1:28   38.30  n/a
                    +   02:900mm      11.20    1.246 No_date    1:30   34.74  n/a
                    +   04:Ext-10     27.90     .843 No_date    1:55   16.59  n/a
                    +   03:Ext-11      3.90     .394 No_date    1:30   32.83  n/a
                    +   06:Ext-12      5.20     .644 No_date    1:30   38.95  n/a
      {DT= 1.00}  SUM=  05:WET-ST     61.40    4.466 No_date    1:30   27.49  n/a
 001:0173----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ROUTE RESERVOIR -> 05:WET-ST     61.40    4.466 No_date    1:30   27.49  n/a
      {RDT= 1.00} out<- 04:22         61.40     .475 No_date    3:52   27.49  n/a
                overflow <= 06:OVF        .00     .000 No_date    0:00     .00  n/a
     {MxStoUsed=.1222E+01, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=   0.hrs
 001:0174----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     CALIB NASHYD       03:Ext-10      4.90     .142 No_date    1:30   10.50 .125
      {CN= 36.0: N= 3.00}
      {Tp=  .17:DT= 5.00}
#----------------|-------------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------- |
#----------------|-------------------------------------------------------------|
#----------------|-------------------------------------------------------------|
 001:0175----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
     ADD HYD            03:Ext-10      4.90     .142 No_date    1:30   10.50  n/a
                    +   04:22         61.40     .475 No_date    3:52   27.49  n/a
      {DT= 1.00}  SUM=  05:22         66.30     .496 No_date    2:32   26.24  n/a
 001:0176----------------------------------------------------------------------
     FINISH
 ---------------------------------------------------------------------------
 ***************************************************************************
     WARNINGS / ERRORS / NOTES
     -------------------------
   Simulation ended on 2008-03-26     at 15:00:24
 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

```
00001> 2     Metric units
00002> *#*************************************************************************
00003> *#  Project Name: (ALTA PHASE-II)    Project Number: (119-2528)
00004> *#  SCENARIO 1: REVISED TIME TO PEAK Update Pond route reservoir
00005> *#  Date         : 05-24-2007
00006> *#  Modeller     : (          )
00007> *#  Company      : C.F. Crozier & Associates Inc.
00008> *#  License #    :  3737016
00009> *#*************************************************************************
00010> START              TZERO=[0.0],  METOUT=[2],  NSTORM=[0],  NRUN=[0]
00011> *%                   [ ] <--storm filename, one per line for NSTORM time
00012> *#-----------------|---------------------------------------------------------|
00013> *#-----------------|---------25mm----------------------------------------------|
00014> *#-----------------|---------------------------------------------------------|
00015> READ STORM          STORM_FILENAME=("25mm.stm")
00016> *%-----------------|---------------------------------------------------------|
00017> *#-----------------|---------------------------------------------------------|
00018> *#-----------------|----------POST-DEVELOPMENT-----------------------------|
00019> *#-----------------|---------------------------------------------------------|
00020> CALIB NASHYD        ID=[2], NHYD=("EXT-1"), DT=[1]min, AREA=[3.5](ha),
00021>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00022>                     N=[3], TP=[0.13]hrs,
00023>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00024>
00025> *%-----------------|---------------------------------------------------------|
00026> CALIB NASHYD        ID=[3], NHYD=("INT-3"), DT=[5]min, AREA=[0.2](ha),
00027>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00028>                     N=[3], TP=[0.17]hrs,
00029>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00030> *%-----------------|---------------------------------------------------------|
00031> CALIB NASHYD        ID=[4], NHYD=("UNC-1"), DT=[5]min, AREA=[0.8](ha),
00032>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00033>                     N=[3], TP=[0.21]hrs,
00034>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00035> *%-----------------|---------------------------------------------------------|
00036> *#-----------------|---------------------------------------------------------|
00037> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT   |
00038> *#-----------------|---------------------------------------------------------|
00039> ADD HYD            IDsum=[1], NHYD=("800mm"), IDs to add=[2,3,4]
00040> *%-----------------|---------------------------------------------------------|
00041> *#-----------------|---------------------------------------------------------|
00042> CALIB NASHYD        ID=[5], NHYD=("EXT-2"), DT=[1]min, AREA=[4.1](ha),
00043>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00044>                     N=[3], TP=[0.12]hrs,
00045>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00046> *#-----------------|---------------------------------------------------------|
00047> CALIB NASHYD        ID=[8], NHYD=("EXT-3"), DT=[1]min, AREA=[2.2](ha),
00048>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00049>                     N=[3], TP=[0.13]hrs,
00050>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00051> *%-----------------|---------------------------------------------------------|
00052> CALIB STANDHYD      ID=[6], NHYD=("INT-2"), DT=[5](min), AREA=[3](ha),
00053>                     XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00054>                     SCS curve number CN=[69],
00055>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00056>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00057>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00058>                                          LGI=[290](m), MNI=[0.13], SCI=[0](min),
00059>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr)   END=-1
00060> *%-----------------|---------------------------------------------------------|
00061> CALIB NASHYD        ID=[7], NHYD=("INT-4"), DT=[5]min, AREA=[0.6](ha),
00062>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00063>                     N=[3], TP=[0.17]hrs,
00064>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00065> *%-----------------|---------------------------------------------------------|
00066> CALIB STANDHYD      ID=[9], NHYD=("INT-1"), DT=[5](min), AREA=[9.9](ha),
00067>                     XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00068>                     SCS curve number CN=[79],
00069>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00070>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00071>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00072>                                          LGI=[500](m), MNI=[0.13], SCI=[0](min),
00073>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr)  END=-1
00074> *%-----------------|---------------------------------------------------------|
00075> *#-----------------|---------------------------------------------------------|
00076> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR       |
00077> *#-----------------|---------------------------------------------------------|
00078> ADD HYD            IDsum=[3], NHYD=("POOL1"), IDs to add=[5,8,6,7,9]
00079> *%-----------------|---------------------------------------------------------|
00080> *#-----------------|---------------------------------------------------------|
00081> ROUTE RESERVOIR     IDout=[6],   NHYD=("POOL"),   IDin=[3],
00082>                     RDT=[1](min),
00083>                          TABLE of ( OUTFLOW-STORAGE ) values
00084>                                   (cms) - (ha-m)
00085>                               [   0.0 ,  0.0 ]
00086>                               [ 0.1,  0.1 ]
00087>                               [ 0.763 , 0.46]
00088>                               [   -1  ,  -1  ]   (max twenty pts)
00089>                          IDovf=[7], NHYDovf=("OVF1")
00090> *%-----------------|---------------------------------------------------------|
00091> CALIB NASHYD        ID=[10], NHYD=("UNC-2"), DT=[5]min, AREA=[1.5](ha),
00092>                     DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00093>                     N=[3], TP=[0.17]hrs,
00094>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00095> *%-----------------|---------------------------------------------------------|
00096> CALIB NASHYD        ID=[4], NHYD=("UNC-3s1"), DT=[5]min, AREA=[2.1](ha),
00097>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00098>                     N=[3], TP=[0.17]hrs,
00099>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00100> *%-----------------|---------------------------------------------------------|
00101> *#-----------------|---------------------------------------------------------|
00102> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT   |
00103> *#-----------------|---------------------------------------------------------|
00104> ADD HYD            IDsum=[2], NHYD=("900mm"), IDs to add=[4,6,7,10]
00105> *%-----------------|---------------------------------------------------------|
00106> *#-----------------|---------------------------------------------------------|
00107> CALIB NASHYD        ID=[4], NHYD=("EXT-4"), DT=[1]min, AREA=[2.6](ha),
00108>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00109>                     N=[3], TP=[0.12]hrs,
00110>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00111> *%-----------------|---------------------------------------------------------|
00112> CALIB NASHYD        ID=[5], NHYD=("EXT-5"), DT=[1]min, AREA=[5.2](ha),
00113>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00114>                     N=[3], TP=[0.10]hrs,
00115>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00116> *%-----------------|---------------------------------------------------------|
00117> CALIB NASHYD        ID=[8], NHYD=("INT-5"), DT=[5]min, AREA=[0.1](ha),
00118>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00119>                     N=[3], TP=[0.17]hrs,
00120>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00121> *%-----------------|---------------------------------------------------------|
00122> CALIB NASHYD        ID=[6], NHYD=("UNC-4s1"), DT=[5]min, AREA=[3.0](ha),
00123>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00124>                     N=[3], TP=[0.21]hrs,
00125>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00126> *%-----------------|---------------------------------------------------------|
00127> CALIB NASHYD        ID=[7], NHYD=("Ext-6"), DT=[1]min, AREA=[6](ha),
00128>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00129>                     N=[3], TP=[0.22]hrs,
00130>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00131> *%-----------------|---------------------------------------------------------|
00132> CALIB NASHYD        ID=[9], NHYD=("Ext-7"), DT=[1]min, AREA=[6](ha),
00133>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00134>                     N=[3], TP=[0.12]hrs,
00135>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00136> *%-----------------|---------------------------------------------------------|
00137> CALIB NASHYD        ID=[10], NHYD=("Ext-8"), DT=[1]min, AREA=[12.8](ha),
00138>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00139>                     N=[3], TP=[0.26]hrs,
00140>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00141> *%-----------------|---------------------------------------------------------|
00142>
00143> *#-----------------|---------------------------------------------------------|
00144> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH         |
00145> *#-----------------|---------------------------------------------------------|
00146> ADD HYD            IDsum=[3], NHYD=("NE_DITCH"), IDs to add=[4,5,6,8]
00147> *#-----------------|---------------------------------------------------------|
00148> ADD HYD            IDsum=[4], NHYD=("NE_DITCH"), IDs to add=[7,3,9,10]
00149> *%-----------------|---------------------------------------------------------|
00150> CALIB NASHYD        ID=[6], NHYD=("Ext-9"), DT=[5]min, AREA=[7](ha),
00151>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00152>                     N=[3], TP=[0.35]hrs,
00153>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00154> *%-----------------|---------------------------------------------------------|
00155> *#-----------------|---------------------------------------------------------|
00156> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-------|
00157> *#-----------------|---------------------------------------------------------|
00158> *#-----------------|---------------------------------------------------------|
00159> ADD HYD            IDsum=[5], NHYD=("21A"), IDs to add=[4,6]
00160> *%-----------------|---------------------------------------------------------|
00161>
00162> CALIB NASHYD        ID=[4], NHYD=("Ext-10A"), DT=[5]min, AREA=[27.9](ha),
00163>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00164>                     N=[3], TP=[.42]hrs,
00165>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00166> *%-----------------|---------------------------------------------------------|
00167> CALIB NASHYD        ID=[3], NHYD=("Ext-11"), DT=[1]min, AREA=[3.9](ha),
00168>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00169>                     N=[3], TP=[0.08]hrs,
00170>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00171> *%-----------------|---------------------------------------------------------|
00172> CALIB NASHYD        ID=[6], NHYD=("Ext-12"), DT=[1]min, AREA=[5.2](ha),
00173>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00174>                     N=[3], TP=[0.12]hrs,
00175>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00176> *%-----------------|---------------------------------------------------------|
00177>
00178> *%-----------------|---------------------------------------------------------|
00179> *#-----------------|---------------------------------------------------------|
00180> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
00181> *#-----------------|---------------------------------------------------------|
00182> *#-----------------|---------------------------------------------------------|
00183> ADD HYD            IDsum=[5], NHYD=("WET-STO"), IDs to add=[1,2,4,3,6]
00184> *#-----------------|---------------------------------------------------------|
00185> ROUTE RESERVOIR     IDout=[4],   NHYD=("22"),   IDin=[5],
00186>                     RDT=[1](min),
00187>                          TABLE of ( OUTFLOW-STORAGE ) values
00188>                                   (cms) - (ha-m)
00189>                               [   0.0 ,  0.0 ]
00190>                               [   0.0102 ,  0.002 ]
00191>                               [   0.04230 ,  0.004 ]
00192>                               [   0.0939 ,  0.006 ]
00193>                               [   0.1286 ,  0.008 ]
00194>                               [   0.16330 ,  0.045 ]
00195>                               [   0.2489 ,  0.262 ]
00196>                               [   0.3488 ,  0.622 ]
00197>                               [   0.4601 ,  1.088 ]
00198>                               [   0.51955 ,  1.623 ]
00199>                               [   0.579 ,  1.925 ]
00200>                               [   0.7014 ,  2.253 ]
00201>                               [   0.8216 ,  2.951 ]
00202>                               [   0.9345 ,  3.689 ]
00203>                               [   -1  ,  -1  ]   (max twenty pts)
00204>                          IDovf=[6], NHYDovf=("OVF")
00205> *%-----------------|---------------------------------------------------------|
00206> CALIB NASHYD        ID=[3], NHYD=("Ext-10B"), DT=[5]min, AREA=[4.9](ha),
00207>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00208>                     N=[3], TP=[0.17]hrs,
00209>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00210> *%-----------------|---------------------------------------------------------|
00211> *%-----------------|---------------------------------------------------------|
00212> *#-----------------|---------------------------------------------------------|
00213> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00214> *#-----------------|---------------------------------------------------------|
00215> *#-----------------|---------------------------------------------------------|
00216> ADD HYD            IDsum=[5], NHYD=("22"), IDs to add=[3,4]
00217> *%-----------------|---------------------------------------------------------|
00218>
00219>
00220> *%-----------------|---------------------------------------------------------|
00221> *#-----------------|---------------------------------------------------------|
00222> *#-----------------|----------2 YEAR-------------------------------------------|
00223> *#-----------------|---------------------------------------------------------|
00224> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00225>                     ICASEcs=[2],
00226>                     Enter ordinates of IDF curve below, at least seven points
00227>                         TIME (min)     Intensity(mm/hr)
00228>                             [5   ]         [95]
00229>                             [10  ]         [70 ]
00230>                             [15  ]         [58 ]
00231>                             [30  ]         [38 ]
00232>                             [60  ]         [25 ]
00233>                             [180 ]         [17 ]
00234>                             [360 ]         [6.3]
00235>                             [720 ]         [3.5]
00236>                             [1440]         [1.9]
00237>                               -1             -1
00238> *%-----------------|---------------------------------------------------------|
00239> *#-----------------|---------------------------------------------------------|
00240> *#-----------------|----------POST-DEVELOPMENT---------------------------------|
00241> *#-----------------|---------------------------------------------------------|
00242> CALIB NASHYD        ID=[2], NHYD=("EXT-1"), DT=[1]min, AREA=[3.5](ha),
00243>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00244>                     N=[3], TP=[0.13]hrs,
00245>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00246>
00247> *%-----------------|---------------------------------------------------------|
00248> CALIB NASHYD        ID=[3], NHYD=("INT-3"), DT=[5]min, AREA=[0.2](ha),
00249>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00250>                     N=[3], TP=[0.17]hrs,
00251>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00252> *%-----------------|---------------------------------------------------------|
00253> CALIB NASHYD        ID=[4], NHYD=("UNC-1"), DT=[5]min, AREA=[0.8](ha),
00254>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00255>                     N=[3], TP=[0.21]hrs,
00256>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00257> *%-----------------|---------------------------------------------------------|
00258> *#-----------------|---------------------------------------------------------|
00259> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT    |
00260> *#-----------------|---------------------------------------------------------|
00261> ADD HYD            IDsum=[1], NHYD=("800mm"), IDs to add=[2,3,4]
00262> *%-----------------|---------------------------------------------------------|
00263> *#-----------------|---------------------------------------------------------|
00264> CALIB NASHYD        ID=[5], NHYD=("EXT-2"), DT=[1]min, AREA=[4.1](ha),
00265>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00266>                     N=[3], TP=[0.12]hrs,
00267>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00268> *#-----------------|---------------------------------------------------------|
00269> CALIB NASHYD        ID=[8], NHYD=("EXT-3"), DT=[1]min, AREA=[2.2](ha),
00270>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
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00271>                          N=[3], TP=[0.13]hrs,
00272>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00273> *%-----------------|-------------------------------------------------------------|
00274> CALIB STANDHYD       ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00275>                          XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00276>                          SCS curve number CN=[69],
00277>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00278>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00279>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00280>                                               LGI=[290](m), MNI=[0.13], SCI=[0](min),
00281>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr)  ,  END=-1
00282> *%-----------------|-------------------------------------------------------------|
00283> CALIB NASHYD         ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00284>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00285>                          N=[3], TP=[0.17]hrs,
00286>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00287> *%-----------------|-------------------------------------------------------------|
00288> CALIB STANDHYD       ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00289>                          XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00290>                          SCS curve number CN=[79],
00291>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00292>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00293>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00294>                                               LGI=[500](m), MNI=[0.13], SCI=[0](min),
00295>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr)  ,  END=-1
00296> *%-----------------|-------------------------------------------------------------|
00297> *#-----------------|-------------------------------------------------------------|
00298> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
00299> *#-----------------|-------------------------------------------------------------|
00300> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9]
00301> *%-----------------|-------------------------------------------------------------|
00302> *#-----------------|-------------------------------------------------------------|
00303> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00304>                          RDT=[1](min),
00305>                               TABLE of ( OUTFLOW-STORAGE ) values
00306>                                        (cms)  -  (ha-m)
00307>                                     [   0.0  ,   0.0  ]
00308>                                     [  0.1,    0.1  ]
00309>                                     [ 0.763 ,  0.46  ]
00310>                                     [   -1   ,   -1   ]  (max twenty pts)
00311>                               IDovf=[7], NHYDovf=["OVF1"]
00312> *%-----------------|-------------------------------------------------------------|
00313> CALIB NASHYD         ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00314>                          DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00315>                          N=[3], TP=[0.17]hrs,
00316>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00317> *%-----------------|-------------------------------------------------------------|
00318> CALIB NASHYD         ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
00319>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00320>                          N=[3], TP=[0.17]hrs,
00321>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00322> *%-----------------|-------------------------------------------------------------|
00323> *#-----------------|-------------------------------------------------------------|
00324> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT        |
00325> *#-----------------|-------------------------------------------------------------|
00326> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00327> *%-----------------|-------------------------------------------------------------|
00328> *#-----------------|-------------------------------------------------------------|
00329> CALIB NASHYD         ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00330>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00331>                          N=[3], TP=[0.12]hrs,
00332>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00333> *%-----------------|-------------------------------------------------------------|
00334> CALIB NASHYD         ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00335>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00336>                          N=[3], TP=[0.10]hrs,
00337>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00338> *%-----------------|-------------------------------------------------------------|
00339> CALIB NASHYD         ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
00340>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00341>                          N=[3], TP=[0.17]hrs,
00342>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00343> *%-----------------|-------------------------------------------------------------|
00344> CALIB NASHYD         ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
00345>                          DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00346>                          N=[3], TP=[0.21]hrs,
00347>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00348> *%-----------------|-------------------------------------------------------------|
00349> CALIB NASHYD         ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
00350>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00351>                          N=[3], TP=[0.22]hrs,
00352>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00353> *%-----------------|-------------------------------------------------------------|
00354> CALIB NASHYD         ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
00355>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00356>                          N=[3], TP=[0.12]hrs,
00357>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00358> *%-----------------|-------------------------------------------------------------|
00359> CALIB NASHYD         ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.0](ha),
00360>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00361>                          N=[3], TP=[0.26]hrs,
00362>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00363> *%-----------------|-------------------------------------------------------------|
00364>
00365> *#-----------------|-------------------------------------------------------------|
00366> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
00367> *#-----------------|-------------------------------------------------------------|
00368> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
00369> *%-----------------|-------------------------------------------------------------|
00370> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00371> *%-----------------|-------------------------------------------------------------|
00372> CALIB NASHYD         ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00373>                          DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00374>                          N=[3], TP=[0.35]hrs,
00375>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00376> *%-----------------|-------------------------------------------------------------|
00377> *#-----------------|-------------------------------------------------------------|
00378> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------- |
00379> *#-----------------|-------------------------------------------------------------|
00380> *#-----------------|-------------------------------------------------------------|
00381> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00382> *%-----------------|-------------------------------------------------------------|
00383>
00384> CALIB NASHYD         ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00385>                          DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00386>                          N=[3], TP=[.42]hrs,
00387>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00388> *%-----------------|-------------------------------------------------------------|
00389> CALIB NASHYD         ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00390>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00391>                          N=[3], TP=[0.08]hrs,
00392>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00393> *%-----------------|-------------------------------------------------------------|
00394> CALIB NASHYD         ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00395>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00396>                          N=[3], TP=[0.12]hrs,
00397>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00398> *%-----------------|-------------------------------------------------------------|
00399>
00400> *%-----------------|-------------------------------------------------------------|
00401> *#-----------------|-------------------------------------------------------------|
00402> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------   |
00403> *#-----------------|-------------------------------------------------------------|
00404> *#-----------------|-------------------------------------------------------------|
00405> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]

00406> *%-----------------|-------------------------------------------------------------|
00407> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
00408>                          RDT=[1](min),
00409>                               TABLE of ( OUTFLOW-STORAGE ) values
00410>                                        (cms)  -  (ha-m)
00411>                                     [   0.0  ,   0.0  ]
00412>                                     [  0.0102 ,  0.002 ]
00413>                                     [  0.04230 ,  0.004 ]
00414>                                     [  0.0939 ,  0.006 ]
00415>                                     [  0.1286 ,  0.008 ]
00416>                                     [  0.16330 ,  0.045 ]
00417>                                     [  0.2489 ,  0.262 ]
00418>                                     [  0.3488 ,  0.622 ]
00419>                                     [  0.4601 ,  1.088 ]
00420>                                     [  0.51955 ,  1.623 ]
00421>                                     [  0.579 ,  1.925 ]
00422>                                     [  0.7014 ,  2.253 ]
00423>                                     [  0.8216 ,  2.951 ]
00424>                                     [  0.9345 ,  3.689 ]
00425>                                     [   -1   ,   -1   ]  (max twenty pts)
00426>                               IDovf=[6], NHYDovf=["OVF"]
00427> *%-----------------|-------------------------------------------------------------|
00428> CALIB NASHYD         ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00429>                          DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00430>                          N=[3], TP=[0.17]hrs,
00431>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00432> *%-----------------|-------------------------------------------------------------|
00433> *%-----------------|-------------------------------------------------------------|
00434> *#-----------------|-------------------------------------------------------------|
00435> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------  |
00436> *#-----------------|-------------------------------------------------------------|
00437> *#-----------------|-------------------------------------------------------------|
00438> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00439> *%-----------------|-------------------------------------------------------------|
00440>
00441> *%-----------------|-------------------------------------------------------------|
00442> *#-----------------|-------------------------------------------------------------|
00443> *#-----------------|----------5YR--------------------------------------------------|
00444> *#-----------------|-------------------------------------------------------------|
00445> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00446>                          ICASEcs=[2],
00447>                          Enter ordinates of IDF curve below, at least seven points
00448>                              TIME (min)     Intensity(mm/hr)
00449>                                 [5    ]        [139.4]
00450>                                 [10   ]        [99.4]
00451>                                 [15   ]        [82]
00452>                                 [30   ]        [54.8]
00453>                                 [60   ]        [33.1]
00454>                                 [180  ]        [19.1]
00455>                                 [360  ]        [7.9]
00456>                                 [720  ]        [4.5]
00457>                                 [1440]         [2.5]
00458>                                   -1              -1
00459> *%-----------------|-------------------------------------------------------------|
00460> *#-----------------|-------------------------------------------------------------|
00461> *#-----------------|-----------POST-DEVELOPMENT-----------------------------------|
00462> *#-----------------|-------------------------------------------------------------|
00463> CALIB NASHYD         ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00464>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00465>                          N=[3], TP=[0.13]hrs,
00466>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00467>
00468> *%-----------------|-------------------------------------------------------------|
00469> CALIB NASHYD         ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00470>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00471>                          N=[3], TP=[0.17]hrs,
00472>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00473> *%-----------------|-------------------------------------------------------------|
00474> CALIB NASHYD         ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
00475>                          DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00476>                          N=[3], TP=[0.21]hrs,
00477>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00478> *%-----------------|-------------------------------------------------------------|
00479> *#-----------------|-------------------------------------------------------------|
00480> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT        |
00481> *#-----------------|-------------------------------------------------------------|
00482> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00483> *%-----------------|-------------------------------------------------------------|
00484> *#-----------------|-------------------------------------------------------------|
00485> CALIB NASHYD         ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00486>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00487>                          N=[3], TP=[0.12]hrs,
00488>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00489> *#-----------------|-------------------------------------------------------------|
00490> CALIB NASHYD         ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00491>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00492>                          N=[3], TP=[0.13]hrs,
00493>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00494> *%-----------------|-------------------------------------------------------------|
00495> CALIB STANDHYD       ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00496>                          XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00497>                          SCS curve number CN=[69],
00498>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00499>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00500>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00501>                                               LGI=[290](m), MNI=[0.13], SCI=[0](min),
00502>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr)  ,  END=-1
00503> *%-----------------|-------------------------------------------------------------|
00504> CALIB NASHYD         ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00505>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00506>                          N=[3], TP=[0.17]hrs,
00507>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00508> *%-----------------|-------------------------------------------------------------|
00509> CALIB STANDHYD       ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00510>                          XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00511>                          SCS curve number CN=[79],
00512>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00513>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00514>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00515>                                               LGI=[500](m), MNI=[0.13], SCI=[0](min),
00516>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr)  ,  END=-1
00517> *%-----------------|-------------------------------------------------------------|
00518> *#-----------------|-------------------------------------------------------------|
00519> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
00520> *#-----------------|-------------------------------------------------------------|
00521> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9]
00522> *%-----------------|-------------------------------------------------------------|
00523> *#-----------------|-------------------------------------------------------------|
00524> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00525>                          RDT=[1](min),
00526>                               TABLE of ( OUTFLOW-STORAGE ) values
00527>                                        (cms)  -  (ha-m)
00528>                                     [   0.0  ,   0.0  ]
00529>                                     [  0.1,    0.1  ]
00530>                                     [ 0.763 ,  0.46  ]
00531>                                     [   -1   ,   -1   ]  (max twenty pts)
00532>                               IDovf=[7], NHYDovf=["OVF1"]
00533> *%-----------------|-------------------------------------------------------------|
00534> CALIB NASHYD         ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00535>                          DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00536>                          N=[3], TP=[0.17]hrs,
00537>                          RAINFALL=[  ,  ,  ,  ,  ] (mm/hr),  END=-1
00538> *%-----------------|-------------------------------------------------------------|
00539> CALIB NASHYD         ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
00540>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
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00541>                      N=[3], TP=[0.17]hrs,
00542>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00543> *%-----------------|-------------------------------------------------------|
00544> *#-----------------|-------------------------------------------------------|
00545> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00546> *#-----------------|-------------------------------------------------------|
00547> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00548> *%-----------------|-------------------------------------------------------|
00549> *#-----------------|-------------------------------------------------------|
00550> CALIB NASHYD       ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00551>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00552>                      N=[3], TP=[0.12]hrs,
00553>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00554> *%-----------------|-------------------------------------------------------|
00555> CALIB NASHYD       ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00556>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00557>                      N=[3], TP=[0.10]hrs,
00558>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00559> *%-----------------|-------------------------------------------------------|
00560> CALIB NASHYD       ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
00561>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00562>                      N=[3], TP=[0.17]hrs,
00563>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00564> *%-----------------|-------------------------------------------------------|
00565> CALIB NASHYD       ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
00566>                      DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00567>                      N=[3], TP=[0.21]hrs,
00568>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00569> *%-----------------|-------------------------------------------------------|
00570> CALIB NASHYD       ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
00571>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00572>                      N=[3], TP=[0.22]hrs,
00573>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00574> *%-----------------|-------------------------------------------------------|
00575> CALIB NASHYD       ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
00576>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00577>                      N=[3], TP=[0.12]hrs,
00578>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00579> *%-----------------|-------------------------------------------------------|
00580> CALIB NASHYD       ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
00581>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00582>                      N=[3], TP=[0.26]hrs,
00583>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00584> *%-----------------|-------------------------------------------------------|
00585>
00586> *#-----------------|-------------------------------------------------------|
00587> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00588> *#-----------------|-------------------------------------------------------|
00589> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
00590> *#-----------------|-------------------------------------------------------|
00591> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00592> *%-----------------|-------------------------------------------------------|
00593> CALIB NASHYD       ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00594>                      DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00595>                      N=[3], TP=[0.35]hrs,
00596>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00597> *%-----------------|-------------------------------------------------------|
00598> *#-----------------|-------------------------------------------------------|
00599> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----|
00600> *#-----------------|-------------------------------------------------------|
00601> *#-----------------|-------------------------------------------------------|
00602> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00603> *%-----------------|-------------------------------------------------------|
00604>
00605> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00606>                      DWF=[0](cms),  CN/C=[69.4], IA=[9.8](mm),
00607>                      N=[3], TP=[.42]hrs,
00608>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00609> *%-----------------|-------------------------------------------------------|
00610> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00611>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00612>                      N=[3], TP=[0.08]hrs,
00613>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00614> *%-----------------|-------------------------------------------------------|
00615> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00616>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00617>                      N=[3], TP=[0.12]hrs,
00618>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00619> *%-----------------|-------------------------------------------------------|
00620>
00621> *%-----------------|-------------------------------------------------------|
00622> *#-----------------|-------------------------------------------------------|
00623> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA----|
00624> *#-----------------|-------------------------------------------------------|
00625> *#-----------------|-------------------------------------------------------|
00626> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00627> *%-----------------|-------------------------------------------------------|
00628> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"],   IDin=[5],
00629>                      RDT=[1](min),
00630>                           TABLE of ( OUTFLOW-STORAGE ) values
00631>                                    (cms)  -  (ha-m)
00632>                           [   0.0  ,   0.0  ]
00633>                           [   0.0102  ,   0.002  ]
00634>                           [   0.04230  ,   0.004  ]
00635>                           [   0.0939  ,   0.006  ]
00636>                           [   0.1286  ,   0.008  ]
00637>                           [   0.16330  ,   0.045  ]
00638>                           [   0.2489  ,   0.262  ]
00639>                           [   0.3488  ,   0.622  ]
00640>                           [   0.4601  ,   1.088  ]
00641>                           [   0.51955  ,   1.623  ]
00642>                           [   0.579  ,   1.925  ]
00643>                           [   0.7014  ,   2.253  ]
00644>                           [   0.8216  ,   2.951  ]
00645>                           [   0.9345  ,   3.689  ]
00646>                           [   -1  ,   -1  ]   (max twenty pts)
00647>                      IDovf=[6], NHYDovf=["OVF"]
00648> *%-----------------|-------------------------------------------------------|
00649> CALIB NASHYD       ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00650>                      DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00651>                      N=[3], TP=[0.17]hrs,
00652>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00653> *%-----------------|-------------------------------------------------------|
00654> *%-----------------|-------------------------------------------------------|
00655> *#-----------------|-------------------------------------------------------|
00656> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ------|
00657> *#-----------------|-------------------------------------------------------|
00658> *#-----------------|-------------------------------------------------------|
00659> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00660> *%-----------------|-------------------------------------------------------|
00661>
00662> *%-----------------|-------------------------------------------------------|
00663> *#-----------------|-------------------------------------------------------|
00664> *#-----------------|----------10YR---------------------------------------|
00665> *#-----------------|-------------------------------------------------------|
00666> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00667>                      ICASEcs=[2],
00668>                      Enter ordinates of IDF curve below, at least seven points
00669>                          TIME (min)     Intensity(mm/hr)
00670>                          [5   ]         [150]
00671>                          [10  ]         [105 ]
00672>                          [15  ]         [89 ]
00673>                          [30  ]         [57 ]
00674>                          [60  ]         [38 ]
00675>                          [180 ]         [24 ]
00676>                          [360 ]         [11]
00677>                          [720 ]         [5.5]
00678>                          [1440]         [3]
00679>                              -1             -1
00680> *%-----------------|-------------------------------------------------------|
00681> *#-----------------|-------------------------------------------------------|
00682> *#-----------------|-----------POST-DEVELOPMENT--------------------------|
00683> *#-----------------|-------------------------------------------------------|
00684> CALIB NASHYD       ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00685>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00686>                      N=[3], TP=[0.13]hrs,
00687>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00688>
00689> *%-----------------|-------------------------------------------------------|
00690> CALIB NASHYD       ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2] (ha),
00691>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00692>                      N=[3], TP=[0.17]hrs,
00693>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00694> *%-----------------|-------------------------------------------------------|
00695> CALIB NASHYD       ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8] (ha),
00696>                      DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00697>                      N=[3], TP=[0.21]hrs,
00698>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00699> *%-----------------|-------------------------------------------------------|
00700> *#-----------------|-------------------------------------------------------|
00701> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT  |
00702> *#-----------------|-------------------------------------------------------|
00703> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00704> *%-----------------|-------------------------------------------------------|
00705> *#-----------------|-------------------------------------------------------|
00706> CALIB NASHYD       ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1] (ha),
00707>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00708>                      N=[3], TP=[0.12]hrs,
00709>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00710> *#-----------------|-------------------------------------------------------|
00711> CALIB NASHYD       ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2] (ha),
00712>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00713>                      N=[3], TP=[0.13]hrs,
00714>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00715> *%-----------------|-------------------------------------------------------|
00716> CALIB STANDHYD     ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00717>                      XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00718>                      SCS curve number CN=[69],
00719>                      Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00720>                                           LGP=[65](m), MNP=[0.15], SCP=[0](min),
00721>                      Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00722>                                           LGI=[290](m), MNI=[0.13], SCI=[0](min),
00723>                      RAINFALL=[  ,  ,  ,  ] (mm/hr) ,  END=-1
00724> *%-----------------|-------------------------------------------------------|
00725> CALIB NASHYD       ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00726>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00727>                      N=[3], TP=[0.17]hrs,
00728>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00729> *%-----------------|-------------------------------------------------------|
00730> CALIB STANDHYD     ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00731>                      XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00732>                      SCS curve number CN=[79],
00733>                      Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00734>                                           LGP=[65](m), MNP=[0.15], SCP=[0](min),
00735>                      Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00736>                                           LGI=[500](m), MNI=[0.13], SCI=[0](min),
00737>                      RAINFALL=[  ,  ,  ,  ] (mm/hr) ,  END=-1
00738> *%-----------------|-------------------------------------------------------|
00739> *#-----------------|-------------------------------------------------------|
00740> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR      |
00741> *#-----------------|-------------------------------------------------------|
00742> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9]
00743> *%-----------------|-------------------------------------------------------|
00744> *%-----------------|-------------------------------------------------------|
00745> ROUTE RESERVOIR    IDout=[6],   NHYD=["POOL"],  IDin=[3],
00746>                      RDT=[1](min),
00747>                           TABLE of ( OUTFLOW-STORAGE ) values
00748>                                    (cms)  -  (ha-m)
00749>                           [   0.0  ,   0.0  ]
00750>                           [ 0.1,   0.1  ]
00751>                           [ 0.763 ,  0.46]
00752>                           [   -1  ,   -1  ]   (max twenty pts)
00753>                      IDovf=[7], NHYDovf=["OVF1"]
00754> *%-----------------|-------------------------------------------------------|
00755> CALIB NASHYD       ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00756>                      DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00757>                      N=[3], TP=[0.17]hrs,
00758>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00759> *%-----------------|-------------------------------------------------------|
00760> CALIB NASHYD       ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
00761>                      DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00762>                      N=[3], TP=[0.17]hrs,
00763>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00764> *%-----------------|-------------------------------------------------------|
00765> *#-----------------|-------------------------------------------------------|
00766> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT  |
00767> *#-----------------|-------------------------------------------------------|
00768> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00769> *%-----------------|-------------------------------------------------------|
00770> *#-----------------|-------------------------------------------------------|
00771> CALIB NASHYD       ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00772>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00773>                      N=[3], TP=[0.12]hrs,
00774>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00775> *%-----------------|-------------------------------------------------------|
00776> CALIB NASHYD       ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00777>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00778>                      N=[3], TP=[0.10]hrs,
00779>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00780> *%-----------------|-------------------------------------------------------|
00781> CALIB NASHYD       ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
00782>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00783>                      N=[3], TP=[0.17]hrs,
00784>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00785> *%-----------------|-------------------------------------------------------|
00786> CALIB NASHYD       ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
00787>                      DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00788>                      N=[3], TP=[0.21]hrs,
00789>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00790> *%-----------------|-------------------------------------------------------|
00791> CALIB NASHYD       ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
00792>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00793>                      N=[3], TP=[0.22]hrs,
00794>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00795> *%-----------------|-------------------------------------------------------|
00796> CALIB NASHYD       ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
00797>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00798>                      N=[3], TP=[0.12]hrs,
00799>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00800> *%-----------------|-------------------------------------------------------|
00801> CALIB NASHYD       ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
00802>                      DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00803>                      N=[3], TP=[0.26]hrs,
00804>                      RAINFALL=[  ,  ,  ,  ] (mm/hr),  END=-1
00805> *%-----------------|-------------------------------------------------------|
00806>
00807> *#-----------------|-------------------------------------------------------|
00808> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH       |
00809> *#-----------------|-------------------------------------------------------|
00810> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
```

```
00811> *#-----------------|-------------------------------------------------------------|
00812> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00813> *%-----------------|-------------------------------------------------------------|
00814> CALIB NASHYD       ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00815>                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00816>                    N=[3], TP=[0.35]hrs,
00817>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00818> *%-----------------|-------------------------------------------------------------|
00819> *#-----------------|-------------------------------------------------------------|
00820> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
00821> *#-----------------|-------------------------------------------------------------|
00822> *#-----------------|-------------------------------------------------------------|
00823> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00824> *%-----------------|-------------------------------------------------------------|
00825>
00826> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00827>                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00828>                    N=[3], TP=[.42]hrs,
00829>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00830> *%-----------------|-------------------------------------------------------------|
00831> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00832>                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00833>                    N=[3], TP=[0.08]hrs,
00834>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00835> *%-----------------|-------------------------------------------------------------|
00836> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00837>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00838>                    N=[3], TP=[0.12]hrs,
00839>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00840> *%-----------------|-------------------------------------------------------------|
00841>
00842> *%-----------------|-------------------------------------------------------------|
00843> *#-----------------|-------------------------------------------------------------|
00844> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00845> *#-----------------|-------------------------------------------------------------|
00846> *#-----------------|-------------------------------------------------------------|
00847> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00848> *%-----------------|-------------------------------------------------------------|
00849> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"],  IDin=[5],
00850>                    RDT=[1](min),
00851>                          TABLE of ( OUTFLOW-STORAGE ) values
00852>                                   (cms) - (ha-m)
00853>                                [   0.0 ,   0.0 ]
00854>                                [   0.0102 ,   0.002 ]
00855>                                [   0.04230 ,   0.004 ]
00856>                                [   0.0939 ,   0.006 ]
00857>                                [   0.1286 ,   0.008 ]
00858>                                [   0.16330 ,   0.045 ]
00859>                                [   0.2489 ,   0.262 ]
00860>                                [   0.3488 ,   0.622 ]
00861>                                [   0.4601 ,   1.088 ]
00862>                                [   0.51955 ,   1.623 ]
00863>                                [   0.579 ,   1.925 ]
00864>                                [   0.7014 ,   2.253 ]
00865>                                [   0.8216 ,   2.951 ]
00866>                                [   0.9345 ,   3.689 ]
00867>                                [   -1 ,   -1 ]   (max twenty pts)
00868>                          IDovf=[6], NHYDovf=["OVF"]
00869> *%-----------------|-------------------------------------------------------------|
00870> CALIB NASHYD       ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00871>                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00872>                    N=[3], TP=[0.17]hrs,
00873>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00874> *%-----------------|-------------------------------------------------------------|
00875> *%-----------------|-------------------------------------------------------------|
00876> *#-----------------|-------------------------------------------------------------|
00877> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ----------|
00878> *#-----------------|-------------------------------------------------------------|
00879> *#-----------------|-------------------------------------------------------------|
00880> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00881> *%-----------------|-------------------------------------------------------------|
00882>
00883> *%-----------------|-------------------------------------------------------------|
00884> *#-----------------|-------------------------------------------------------------|
00885> *#-----------------|----------25YR-----------------------------------------------|
00886> *#-----------------|-------------------------------------------------------------|
00887> CHICAGO STORM      IUNITS=[2],   TD=[4](hrs), TPRAT=[0.333],   CSDT=[10](min),
00888>                    ICASEcs=[2],
00889>                    Enter ordinates of IDF curve below, at least seven points
00890>                        TIME (min)     Intensity(mm/hr)
00891>                          [5   ]         [180]
00892>                          [10  ]         [120]
00893>                          [15  ]         [105]
00894>                          [30  ]         [67]
00895>                          [60  ]         [46 ]
00896>                          [180 ]         [28 ]
00897>                          [360 ]         [13 ]
00898>                          [720 ]         [6.5 ]
00899>                          [1440]         [3.6 ]
00900>                            -1             -1
00901> *%-----------------|-------------------------------------------------------------|
00902> *#-----------------|-------------------------------------------------------------|
00903> *#-----------------|-----------POST-DEVELOPMENT----------------------------------|
00904> *#-----------------|-------------------------------------------------------------|
00905> CALIB NASHYD       ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00906>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00907>                    N=[3], TP=[0.13]hrs,
00908>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00909>
00910> *%-----------------|-------------------------------------------------------------|
00911> CALIB NASHYD       ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00912>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00913>                    N=[3], TP=[0.17]hrs,
00914>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00915> *%-----------------|-------------------------------------------------------------|
00916> CALIB NASHYD       ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.6](ha),
00917>                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00918>                    N=[3], TP=[0.21]hrs,
00919>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00920> *%-----------------|-------------------------------------------------------------|
00921> *#-----------------|-------------------------------------------------------------|
00922> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
00923> *#-----------------|-------------------------------------------------------------|
00924> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00925> *%-----------------|-------------------------------------------------------------|
00926> *#-----------------|-------------------------------------------------------------|
00927> CALIB NASHYD       ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00928>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00929>                    N=[3], TP=[0.12]hrs,
00930>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00931> *#-----------------|-------------------------------------------------------------|
00932> CALIB NASHYD       ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00933>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00934>                    N=[3], TP=[0.13]hrs,
00935>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00936> *%-----------------|-------------------------------------------------------------|
00937> CALIB STANDHYD     ID=[6], NHYD=["INT-2"], DT=[5]min, AREA=[3](ha),
00938>                    XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00939>                    SCS curve number CN=[69],
00940>                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00941>                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
00942>                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00943>                                         LGI=[290](m), MNI=[0.13], SCI=[0](min),
00944>                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
00945> *%-----------------|-------------------------------------------------------------|
00946> CALIB NASHYD       ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00947>                    DWF=[0](cms),   CN/C=[79], IA=[10](mm),
00948>                    N=[3], TP=[0.17]hrs,
00949>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00950> *%-----------------|-------------------------------------------------------------|
00951> CALIB STANDHYD     ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00952>                    XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00953>                    SCS curve number CN=[79],
00954>                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00955>                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
00956>                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00957>                                         LGI=[500](m), MNI=[0.13], SCI=[0](min),
00958>                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
00959> *%-----------------|-------------------------------------------------------------|
00960> *#-----------------|-------------------------------------------------------------|
00961> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
00962> *#-----------------|-------------------------------------------------------------|
00963> ADD HYD            IDsum=[3], NHYD=["POOL"], IDs to add=[5,8,6,7,9]
00964> *%-----------------|-------------------------------------------------------------|
00965> *#-----------------|-------------------------------------------------------------|
00966> ROUTE RESERVOIR    IDout=[6],   NHYD=["POOL"],  IDin=[3],
00967>                    RDT=[1](min),
00968>                          TABLE of ( OUTFLOW-STORAGE ) values
00969>                                   (cms) - (ha-m)
00970>                                [   0.0 ,   0.0 ]
00971>                                [   0.1 ,   0.1 ]
00972>                                [   0.763 ,   0.46]
00973>                                [   -1 ,   -1 ]   (max twenty pts)
00974>                          IDovf=[7], NHYDovf=["OVF1"]
00975> *%-----------------|-------------------------------------------------------------|
00976> CALIB NASHYD       ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00977>                    DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00978>                    N=[3], TP=[0.17]hrs,
00979>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00980> *%-----------------|-------------------------------------------------------------|
00981> CALIB NASHYD       ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
00982>                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00983>                    N=[3], TP=[0.17]hrs,
00984>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00985> *%-----------------|-------------------------------------------------------------|
00986> *#-----------------|-------------------------------------------------------------|
00987> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
00988> *#-----------------|-------------------------------------------------------------|
00989> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00990> *%-----------------|-------------------------------------------------------------|
00991> *#-----------------|-------------------------------------------------------------|
00992> CALIB NASHYD       ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00993>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00994>                    N=[3], TP=[0.12]hrs,
00995>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00996> *%-----------------|-------------------------------------------------------------|
00997> CALIB NASHYD       ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00998>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00999>                    N=[3], TP=[0.10]hrs,
01000>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01001> *%-----------------|-------------------------------------------------------------|
01002> CALIB NASHYD       ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
01003>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01004>                    N=[3], TP=[0.17]hrs,
01005>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01006> *%-----------------|-------------------------------------------------------------|
01007> CALIB NASHYD       ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
01008>                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
01009>                    N=[3], TP=[0.21]hrs,
01010>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01011> *%-----------------|-------------------------------------------------------------|
01012> CALIB NASHYD       ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
01013>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01014>                    N=[3], TP=[0.22]hrs,
01015>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01016> *%-----------------|-------------------------------------------------------------|
01017> CALIB NASHYD       ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
01018>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01019>                    N=[3], TP=[0.12]hrs,
01020>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01021> *%-----------------|-------------------------------------------------------------|
01022> CALIB NASHYD       ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
01023>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01024>                    N=[3], TP=[0.26]hrs,
01025>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01026> *%-----------------|-------------------------------------------------------------|
01027>
01028> *#-----------------|-------------------------------------------------------------|
01029> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01030> *#-----------------|-------------------------------------------------------------|
01031> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
01032> *#-----------------|-------------------------------------------------------------|
01033> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
01034> *%-----------------|-------------------------------------------------------------|
01035> CALIB NASHYD       ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
01036>                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
01037>                    N=[3], TP=[0.35]hrs,
01038>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01039> *%-----------------|-------------------------------------------------------------|
01040> *#-----------------|-------------------------------------------------------------|
01041> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
01042> *#-----------------|-------------------------------------------------------------|
01043> *#-----------------|-------------------------------------------------------------|
01044> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
01045> *%-----------------|-------------------------------------------------------------|
01046>
01047> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
01048>                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
01049>                    N=[3], TP=[.42]hrs,
01050>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01051> *%-----------------|-------------------------------------------------------------|
01052> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
01053>                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01054>                    N=[3], TP=[0.08]hrs,
01055>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01056> *%-----------------|-------------------------------------------------------------|
01057> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
01058>                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01059>                    N=[3], TP=[0.12]hrs,
01060>                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01061> *%-----------------|-------------------------------------------------------------|
01062>
01063> *%-----------------|-------------------------------------------------------------|
01064> *#-----------------|-------------------------------------------------------------|
01065> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
01066> *#-----------------|-------------------------------------------------------------|
01067> *#-----------------|-------------------------------------------------------------|
01068> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
01069> *%-----------------|-------------------------------------------------------------|
01070> ROUTE RESERVOIR    IDout=[4],   NHYD=["22"],  IDin=[5],
01071>                    RDT=[1](min),
01072>                          TABLE of ( OUTFLOW-STORAGE ) values
01073>                                   (cms) - (ha-m)
01074>                                [   0.0 ,   0.0 ]
01075>                                [   0.0102 ,   0.002 ]
01076>                                [   0.04230 ,   0.004 ]
01077>                                [   0.0939 ,   0.006 ]
01078>                                [   0.1286 ,   0.008 ]
01079>                                [   0.16330 ,   0.045 ]
01080>                                [   0.2489 ,   0.262 ]
```

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                                        [   0.3488 ,  0.622 ]
                                        [   0.4601 ,  1.088 ]
                                        [   0.51955 ,  1.623 ]
                                        [   0.579 ,  1.925 ]
                                        [   0.7014 ,  2.253 ]
                                        [   0.8216 ,  2.951 ]
                                        [   0.9345 ,  3.689 ]
                                        [   -1  ,  -1  ]  (max twenty pts)
                              IDovf=[6], NHYDovf=["OVF"]
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                  DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
*#----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[5], NHYD=["22"], IDs to add=[3,4]
*%----------------|---------------------------------------------------------------|

*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|----------50YR--------------------------------------------------|
*#----------------|---------------------------------------------------------------|
CHICAGO STORM     IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
                  ICASEcs=[2],
                  Enter ordinates of IDF curve below, at least seven points
                      TIME (min)    Intensity(mm/hr)
                        [5    ]       [200]
                        [10   ]       [130]
                        [15   ]       [115]
                        [30   ]       [74]
                        [60   ]       [51 ]
                        [180  ]       [31 ]
                        [360  ]       [14 ]
                        [720  ]       [7.2 ]
                        [1440]        [4.0 ]
                          -1             -1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|----------POST-DEVELOPMENT----------------------------------|
*#----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.13]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1

*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                  N=[3], TP=[0.21]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT     |
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.12]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*#----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.13]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB STANDHYD    ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
                  XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[69],
                  Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                       LGP=[65](m), MNP=[0.15], SCP=[0](min),
                  Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                       LGI=[290](m), MNI=[0.13], SCI=[0](min),
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB STANDHYD    ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
                  XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[79],
                  Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                       LGP=[65](m), MNP=[0.15], SCP=[0](min),
                  Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                       LGI=[500](m), MNI=[0.13], SCI=[0](min),
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9]
*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
ROUTE RESERVOIR   IDout=[6],   NHYD=["POOL"],  IDin=[3],
                  RDT=[1](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                                 (cms) - (ha-m)
                              [   0.0 ,  0.0 ]
                              [  0.1,   0.1 ]
                              [ 0.763 , 0.46]
                              [   -1  ,  -1  ]  (max twenty pts)
                        IDovf=[7], NHYDovf=["OVF1"]
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
                  DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
                  DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.12]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.10]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                  N=[3], TP=[0.21]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.22]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.12]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.26]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|

*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
                  DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
                  N=[3], TP=[0.35]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
*#----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
*%----------------|---------------------------------------------------------------|

CALIB NASHYD      ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
                  DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
                  N=[3], TP=[.42]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
                  DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                  N=[3], TP=[0.08]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.12]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|

*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
*#----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
*%----------------|---------------------------------------------------------------|
ROUTE RESERVOIR   IDout=[4],   NHYD=["22"],  IDin=[5],
                  RDT=[1](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                                 (cms) - (ha-m)
                              [   0.0 ,  0.0 ]
                              [   0.0102 ,  0.002 ]
                              [   0.04230 ,  0.004 ]
                              [   0.0939 ,  0.006 ]
                              [   0.1286 ,  0.008 ]
                              [   0.16330 ,  0.045 ]
                              [   0.2489 ,  0.262 ]
                              [   0.3488 ,  0.622 ]
                              [   0.4601 ,  1.088 ]
                              [   0.51955 ,  1.623 ]
                              [   0.579 ,  1.925 ]
                              [   0.7014 ,  2.253 ]
                              [   0.8216 ,  2.951 ]
                              [   0.9345 ,  3.689 ]
                              [   -1  ,  -1  ]  (max twenty pts)
                        IDovf=[6], NHYDovf=["OVF"]
*%----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                  DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                  N=[3], TP=[0.17]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
*#----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
ADD HYD           IDsum=[5], NHYD=["22"], IDs to add=[3,4]
*%----------------|---------------------------------------------------------------|

*%----------------|---------------------------------------------------------------|
*#----------------|---------------------------------------------------------------|
*#----------------|----------100YR------------------------------------------------|
*#----------------|---------------------------------------------------------------|
CHICAGO STORM     IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
                  ICASEcs=[2],
                  Enter ordinates of IDF curve below, at least seven points
                      TIME (min)    Intensity(mm/hr)
                        [5    ]       [215]
                        [10   ]       [145]
                        [15   ]       [125]
                        [30   ]       [82 ]
                        [60   ]       [56 ]
                        [180  ]       [34 ]
                        [360  ]       [16 ]
                        [720  ]       [8  ]
                        [1440]        [4.5  ]
                          -1             -1
*%----------------|---------------------------------------------------------------|
*%----------------|---------------------------------------------------------------|
*#----------------|----------POST-DEVELOPMENT----------------------------------|
*#----------------|---------------------------------------------------------------|
CALIB NASHYD      ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
                  DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                  N=[3], TP=[0.13]hrs,
                  RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
```

```
01351>
01352> *$-----------------|-------------------------------------------------------------|
01353> CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
01354>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01355>                     N=[3], TP=[0.17]hrs,
01356>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01357> *$-----------------|-------------------------------------------------------------|
01358> CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
01359>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
01360>                     N=[3], TP=[0.21]hrs,
01361>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01362> *$-----------------|-------------------------------------------------------------|
01363> *#-----------------|-------------------------------------------------------------|
01364> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
01365> *#-----------------|-------------------------------------------------------------|
01366> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
01367> *$-----------------|-------------------------------------------------------------|
01368> *#-----------------|-------------------------------------------------------------|
01369> CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
01370>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01371>                     N=[3], TP=[0.12]hrs,
01372>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01373> *#-----------------|-------------------------------------------------------------|
01374> CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
01375>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01376>                     N=[3], TP=[0.13]hrs,
01377>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01378> *$-----------------|-------------------------------------------------------------|
01379> CALIB STANDHYD       ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
01380>                     XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
01381>                     SCS curve number CN=[69],
01382>                     Pervious   surfaces: IApcr=[5](mm), SLPP=[2](%),
01383>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
01384>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
01385>                                          LGI=[290](m), MNI=[0.13], SCI=[0](min),
01386>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr)  ,  END=-1
01387> *$-----------------|-------------------------------------------------------------|
01388> CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
01389>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01390>                     N=[3], TP=[0.17]hrs,
01391>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01392> *$-----------------|-------------------------------------------------------------|
01393> CALIB STANDHYD       ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
01394>                     XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
01395>                     SCS curve number CN=[79],
01396>                     Pervious   surfaces: IApcr=[5](mm), SLPP=[2](%),
01397>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
01398>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
01399>                                          LGI=[500](m), MNI=[0.13], SCI=[0](min),
01400>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr)  ,  END=-1
01401> *$-----------------|-------------------------------------------------------------|
01402> *#-----------------|-------------------------------------------------------------|
01403> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
01404> *#-----------------|-------------------------------------------------------------|
01405> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9]
01406> *$-----------------|-------------------------------------------------------------|
01407> *#-----------------|-------------------------------------------------------------|
01408> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
01409>                     RDT=[1](min),
01410>                          TABLE of ( OUTFLOW-STORAGE ) values
01411>                                   (cms) - (ha-m)
01412>                                 [   0.0  ,  0.0  ]
01413>                                 [  0.1,  0.1  ]
01414>                                 [  0.763 ,  0.46]
01415>                                 [   -1   ,   -1   ]  (max twenty pts)
01416>                          IDovf=[7], NHYDovf=["OVF1"]
01417> *$-----------------|-------------------------------------------------------------|
01418> CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
01419>                     DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
01420>                     N=[3], TP=[0.17]hrs,
01421>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01422> *$-----------------|-------------------------------------------------------------|
01423> CALIB NASHYD        ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
01424>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01425>                     N=[3], TP=[0.17]hrs,
01426>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01427> *$-----------------|-------------------------------------------------------------|
01428> *#-----------------|-------------------------------------------------------------|
01429> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
01430> *#-----------------|-------------------------------------------------------------|
01431> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
01432> *$-----------------|-------------------------------------------------------------|
01433> *#-----------------|-------------------------------------------------------------|
01434> CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
01435>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01436>                     N=[3], TP=[0.12]hrs,
01437>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01438> *$-----------------|-------------------------------------------------------------|
01439> CALIB NASHYD        ID=[5], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
01440>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01441>                     N=[3], TP=[0.10]hrs,
01442>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01443> *$-----------------|-------------------------------------------------------------|
01444> CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
01445>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01446>                     N=[3], TP=[0.17]hrs,
01447>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01448> *$-----------------|-------------------------------------------------------------|
01449> CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
01450>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
01451>                     N=[3], TP=[0.21]hrs,
01452>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01453> *$-----------------|-------------------------------------------------------------|
01454> CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
01455>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01456>                     N=[3], TP=[0.22]hrs,
01457>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01458> *$-----------------|-------------------------------------------------------------|
01459> CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
01460>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01461>                     N=[3], TP=[0.12]hrs,
01462>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01463> *$-----------------|-------------------------------------------------------------|
01464> CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
01465>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01466>                     N=[3], TP=[0.26]hrs,
01467>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01468> *$-----------------|-------------------------------------------------------------|
01469>
01470> *#-----------------|-------------------------------------------------------------|
01471> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01472> *#-----------------|-------------------------------------------------------------|
01473> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[4,5,6,8]
01474> *#-----------------|-------------------------------------------------------------|
01475> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
01476> *$-----------------|-------------------------------------------------------------|
01477> CALIB NASHYD        ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
01478>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
01479>                     N=[3], TP=[0.35]hrs,
01480>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01481> *$-----------------|-------------------------------------------------------------|
01482> *#-----------------|-------------------------------------------------------------|
01483> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
01484> *#-----------------|-------------------------------------------------------------|
01485> *#-----------------|-------------------------------------------------------------|
01486> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
01487> *$-----------------|-------------------------------------------------------------|
01488>
01489> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
01490>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
01491>                     N=[3], TP=[1.42]hrs,
01492>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01493> *$-----------------|-------------------------------------------------------------|
01494> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
01495>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01496>                     N=[3], TP=[0.08]hrs,
01497>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01498> *$-----------------|-------------------------------------------------------------|
01499> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
01500>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01501>                     N=[3], TP=[0.12]hrs,
01502>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01503> *$-----------------|-------------------------------------------------------------|
01504>
01505> *$-----------------|-------------------------------------------------------------|
01506> *#-----------------|-------------------------------------------------------------|
01507> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA---------|
01508> *#-----------------|-------------------------------------------------------------|
01509> *#-----------------|-------------------------------------------------------------|
01510> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
01511> *$-----------------|-------------------------------------------------------------|
01512> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
01513>                     RDT=[1](min),
01514>                          TABLE of ( OUTFLOW-STORAGE ) values
01515>                                   (cms) - (ha-m)
01516>                                 [   0.0   ,   0.0    ]
01517>                                 [   0.0102 ,  0.002  ]
01518>                                 [   0.04230 ,  0.004]
01519>                                 [   0.0939 ,  0.006  ]
01520>                                 [   0.1286 ,  0.008  ]
01521>                                 [   0.16330 ,  0.045]
01522>                                 [   0.2489 ,  0.262  ]
01523>                                 [   0.3488 ,  0.622  ]
01524>                                 [   0.4601 ,  1.088  ]
01525>                                 [   0.51055 ,  1.623]
01526>                                 [   0.579  ,  1.925  ]
01527>                                 [   0.7014 ,  2.253  ]
01528>                                 [   0.8216 ,  2.951  ]
01529>                                 [   0.9345 ,  3.689  ]
01530>                                 [   -1   ,   -1   ]  (max twenty pts)
01531>                          IDovf=[ ], NHYDovf=[  ]
01532> *$-----------------|-------------------------------------------------------------|
01533> CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
01534>                     DWF=[0](cms),  CN/C=[36],  IA=[10](mm),
01535>                     N=[3], TP=[0.17]hrs,
01536>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
01537> *$-----------------|-------------------------------------------------------------|
01538> *$-----------------|-------------------------------------------------------------|
01539> *#-----------------|-------------------------------------------------------------|
01540> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
01541> *#-----------------|-------------------------------------------------------------|
01542> *#-----------------|-------------------------------------------------------------|
01543> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
01544> *$-----------------|-------------------------------------------------------------|
01545>
01546> FINISH
01547>
01548>
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```

```
SSSSS  W   W  M   M  H   H  Y   Y  M   M   OOO        999    999  ==========
S      W W W  MM MM  H   H   Y Y   MM MM  O   O      9   9  9   9
SSSSS  W W W  M M M  HHHHH    Y    M M M  O   O  ##  9   9  9   9  Ver. 4.02
    S  W W W  M   M  H   H    Y    M   M  O   O       9999  9999  July 1999
SSSSS   W W   M   M  H   H    Y    M   M   OOO          9     9  ==========
                                                     9   9     9  # 3737016

      StormWater Management HYdrologic Model          999    999  ==========
```

```
********************************* SWMHYMO-99 Ver/4.02 *********************************
*******  A single event and continuous hydrologic simulation model  *******
*******       based on the principles of HYMO and its successors       *******
*******                 OTTHYMO-83 and OTTHYMO-89.                     *******
***************************************************************************
******* Distributed by:  J.F. Sabourin and Associates Inc.               *******
*******                  Ottawa,  Ontario: (613) 727-5199               *******
*******                  Gatineau, Quebec: (819) 243-6858               *******
*******                  E-Mail: swmhymo@jfsa.com                       *******
***************************************************************************

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+++++++ Licensed user: C.F. Crozier & Associates Inc.                   +++++++
+++++++                Collingwood          SERIAL#:3737016            +++++++
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

***************************************************************************
*******          ++++++ PROGRAM ARRAY DIMENSIONS ++++++                *******
*******          Maximum value for ID numbers  :    10                 *******
*******          Max. number of rainfall points:  15000                *******
*******          Max. number of flow points    :  15000                *******
***************************************************************************

*** DESCRIPTION SUMMARY TABLE HEADERS (units depend on METOUT in START) ***
***-------------------------------------------------------------------------***
***     ID:  Hydrograph IDentification numbers, (1-10).                   ***
***  NHYD:  Hydrograph reference numbers, (6 digits or characters).       ***
*** AREA:  Drainage area associated with hydrograph, (ac.) or (ha.).      ***
*** QPEAK:  Peak flow of simulated hydrograph, (ft^3/s) or (m^3/s).       ***
*** TpeakDate_hh:mm is the date and time of the peak flow.                ***
***  R.V.:  Runoff Volume of simulated hydrograph, (in) or (mm).          ***
***  R.C.:  Runoff Coefficient of simulated hydrograph, (ratio).          ***
***    *:  see WARNING or NOTE message printed at end of run.             ***
***   **:  see  ERROR  message printed at end of run.                     ***
***************************************************************************

::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::

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

**********************   S U M M A R Y   O U T P U T   **********************
***************************************************************************
*       DATE: 2008-03-26     TIME: 16:29:37     RUN COUNTER: 000680       *
***************************************************************************
* Input   filename: C:\working\SC5.Dat                                      *
* Output  filename: C:\working\SC5.out                                      *
* Summary filename: C:\working\SC5.sum                                      *
* User comments:                                                            *
* 1:_____________________________________________________________________*
* 2:_____________________________________________________________________*
* 3:_____________________________________________________________________*
***************************************************************************
```

```
#***************************************************************************
#  Project Name: [ALTA PHASE-II]    Project Number: [119-2528]
#  SCENARIO 1: REVISED TIME TO PEAK Update Pond route reservoir
#  Date        : 05-24-2007
#  Modeller    : [         ]
#  Company     : C.F. Crozier & Associates Inc.
#  License #   : 3737016
#***************************************************************************
RUN:COMMAND#
001:0001-----------------------------------------------------------------------
    START
     [TZERO =    .00 hrs on        0]
     [METOUT=   2    (1=imperial, 2=metric output)]
     [NSTORM=   0 ]
     [NRUN  =   1 ]
#----------------|----------25mm----------------------------------------------|
#----------------|---------------------------------------------------------|
#----------------|---------------------------------------------------------|
001:0002-----------------------------------------------------------------------
    READ STORM
     Filename = 25mm.stm
     Comment  = 25 mm Event
     [SDT= 4.80:SDUR=   3.04:PTOT=  25.05]
#----------------|-----------POST-DEVELOPMENT-------------------------------|
#----------------|---------------------------------------------------------|
001:0003---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        02:EXT-1      3.50      .027 No_date    1:14    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .13:DT= 1.20]
001:0004---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        03:INT-3      .20       .001 No_date    1:17    2.69 .107
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
001:0005---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        04:UNC-1      .80       .010 No_date    1:17    4.53 .181
     [CN= 79.0: N= 3.00]
     [Tp=  .21:DT= 4.80]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 600mm CULVERT     |
#----------------|-----------------------------------------------------------|
001:0006---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             02:EXT-1      3.50      .027 No_date    1:14    2.74  n/a
                      + 03:INT-3      .20       .001 No_date    1:17    2.69  n/a
                      + 04:UNC-1      .80       .010 No_date    1:17    4.53  n/a
     [DT= 1.20]  SUM=   01:600mm      4.50      .038 No_date    1:14    3.06  n/a
#----------------|-----------------------------------------------------------|
001:0007---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        05:EXT-2      4.10      .032 No_date    1:13    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .12:DT= 1.20]
#----------------|-----------------------------------------------------------|
001:0008---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        08:EXT-3      2.20      .017 No_date    1:14    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .13:DT= 1.20]
001:0009---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB STANDHYD      06:INT-2      3.00      .030 No_date    1:22    6.29 .251
     [XIMP=.13:TIMP=.29]
     [LOSS= 2 :CN= 69.0]
     [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
     [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
001:0010---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        07:INT-4      .60       .004 No_date    1:17    2.69 .107
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
001:0011---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB STANDHYD      09:INT-1      9.90      .123 No_date    1:50    9.21 .368
     [XIMP=.19:TIMP=.37]
     [LOSS= 2 :CN= 79.0]
     [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
     [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR         |
#----------------|-----------------------------------------------------------|
001:0012---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             05:EXT-2      4.10      .032 No_date    1:13    2.74  n/a
                      + 08:EXT-3      2.20      .017 No_date    1:14    2.74  n/a
                      + 06:INT-2      3.00      .030 No_date    1:22    6.29  n/a
                      + 07:INT-4      .60       .004 No_date    1:17    2.69  n/a
                      + 09:INT-1      9.90      .123 No_date    1:50    9.21  n/a
     [DT= 1.20]  SUM=   03:POOL1     19.80      .179 No_date    1:36    6.51  n/a
#----------------|-----------------------------------------------------------|
001:0013---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ROUTE RESERVOIR -> 03:POOL1     19.80      .179 No_date    1:36    6.51  n/a
     [RDT= 1.20] out<-  06:POOL     19.80      .070 No_date    3:14    6.51  n/a
                      overflow <= 07:OVF1       .00       .000 No_date    0:00     .00  n/a
     [MxStoUsed=.7018E-01, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
001:0014---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        10:UNC-2      1.50      .027 No_date    1:12    5.46 .218
     [CN= 82.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
001:0015---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        04:UNC-3s     2.10      .011 No_date    1:17    2.04 .081
     [CN= 73.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT     |
#----------------|-----------------------------------------------------------|
001:0016---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             04:UNC-3s     2.10      .011 No_date    1:17    2.04  n/a
                      + 06:POOL      19.80      .070 No_date    3:14    6.51  n/a
                      + 07:OVF1       .00       .000 No_date    0:00     .00  n/a
                      + 10:UNC-2      1.50      .027 No_date    1:12    5.46  n/a
     [DT= 1.20]  SUM=   02:900mm     23.40      .076 No_date    2:58    6.04  n/a
#----------------|-----------------------------------------------------------|
001:0017---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        04:EXT-4      2.60      .020 No_date    1:13    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .12:DT= 1.20]
001:0018---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        05:EXT-5      5.20      .044 No_date    1:11    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .10:DT= 1.20]
001:0019---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        08:INT-5      .10       .001 No_date    1:17    2.69 .107
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
001:0020---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        06:UNC-4s     3.00      .039 No_date    1:17    4.53 .181
     [CN= 79.0: N= 3.00]
     [Tp=  .21:DT= 4.80]
001:0021---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        07:Ext-6      6.00      .037 No_date    1:24    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .22:DT= 1.20]
001:0022---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        09:Ext-7      6.00      .047 No_date    1:13    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .12:DT= 1.20]
001:0023---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        10:Ext-8     12.80      .074 No_date    1:28    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .26:DT= 1.20]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH          |
#----------------|-----------------------------------------------------------|
001:0024---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             04:EXT-4      2.60      .020 No_date    1:13    2.74  n/a
                      + 05:EXT-5      5.20      .044 No_date    1:11    2.74  n/a
                      + 06:UNC-4s     3.00      .039 No_date    1:17    4.53  n/a
                      + 08:INT-5      .10       .001 No_date    1:17    2.69  n/a
     [DT= 1.20]  SUM=   03:NE_DIT    10.90      .103 No_date    1:12    3.23  n/a
#----------------|-----------------------------------------------------------|
001:0025---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             07:Ext-6      6.00      .037 No_date    1:24    2.74  n/a
                      + 03:NE_DIT    10.90      .103 No_date    1:12    3.23  n/a
                      + 09:Ext-7      6.00      .047 No_date    1:13    2.74  n/a
                      + 10:Ext-8     12.80      .074 No_date    1:28    2.74  n/a
     [DT= 1.20]  SUM=   04:NE_DIT    35.70      .238 No_date    1:18    2.89  n/a
001:0026---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        06:Ext-9      7.00      .016 No_date    1:36    1.24 .050
     [CN= 60.0: N= 3.00]
     [Tp=  .35:DT= 4.80]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
#----------------|-----------------------------------------------------------|
#----------------|---------------------------------------------------------|
001:0027---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             04:NE_DIT     35.70      .238 No_date    1:18    2.89  n/a
                      + 06:Ext-9      7.00      .016 No_date    1:36    1.24  n/a
     [DT= 1.20]  SUM=   05:21A       42.70      .249 No_date    1:18    2.62  n/a
001:0028---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        04:Ext-10     27.90      .038 No_date    1:46     .83 .033
     [CN= 49.4: N= 3.00]
     [Tp=  .42:DT= 4.80]
001:0029---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        03:Ext-11     3.90      .026 No_date    1:08    2.08 .083
     [CN= 73.0: N= 3.00]
     [Tp=  .08:DT= 1.20]
001:0030---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        06:Ext-12     5.20      .041 No_date    1:13    2.74 .110
     [CN= 79.0: N= 3.00]
     [Tp=  .12:DT= 1.20]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
#----------------|-----------------------------------------------------------|
#----------------|---------------------------------------------------------|
001:0031---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             01:800mm      4.50      .038 No_date    1:14    3.06  n/a
                      + 02:900mm     23.40      .076 No_date    2:58    6.04  n/a
                      + 04:Ext-10    27.90      .038 No_date    1:46     .83  n/a
                      + 03:Ext-11     3.90      .026 No_date    1:08    2.08  n/a
                      + 06:Ext-12     5.20      .041 No_date    1:13    2.74  n/a
     [DT= 1.20]  SUM=   05:WET-ST    64.90      .166 No_date    1:17    3.09  n/a
001:0032---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ROUTE RESERVOIR -> 05:WET-ST    64.90      .166 No_date    1:17    3.09  n/a
     [RDT= 1.20] out<-  04:22       64.90      .132 No_date    2:04    3.09  n/a
                      overflow <= 06:OVF        .00       .000 No_date    0:00     .00  n/a
     [MxStoUsed=.1154E-01, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
001:0033---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    CALIB NASHYD        03:Ext-10     4.90      .006 No_date    1:17     .48 .019
     [CN= 36.0: N= 3.00]
     [Tp=  .17:DT= 4.80]
#----------------|-----------------------------------------------------------|
#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
#----------------|-----------------------------------------------------------|
#----------------|---------------------------------------------------------|
001:0034---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
    ADD HYD             03:Ext-10     4.90      .006 No_date    1:17     .48  n/a
                      + 04:22        64.90      .132 No_date    2:04    3.09  n/a
     [DT= 1.20]  SUM=   05:22        69.80      .135 No_date    1:34    2.91  n/a
#----------------|-----------------------------------------------------------|
#----------------|----------2 YEAR--------------------------------------------|
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00271> #-----------------|-------------------------------------------------------------------|
00272>  001:0035--------------------------------------------------------------------------------
00273>       CHICAGO STORM
00274>        {SDT=10.00:SDUR=   4.00:PTOT=  37.95}
00275>        {A/B/C=1461.279/  18.094/    .907: R=.9944}
00276> #-----------------|-------------------------------------------------------------------|
00277> #-----------------|----------POST-DEVELOPMENT-----------------------------------------|
00278> #-----------------|-------------------------------------------------------------------|
00279>  001:0036---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00280>       CALIB NASHYD       02:EXT-1      3.50     .089 No_date    1:33    8.18 .216
00281>        {CN= 79.0: N= 3.00}
00282>        {Tp=  .13:DT= 1.00}
00283>  001:0037---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00284>       CALIB NASHYD       03:INT-3       .20     .005 No_date    1:35    8.18 .216
00285>        {CN= 79.0: N= 3.00}
00286>        {Tp=  .17:DT= 5.00}
00287>  001:0038---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00288>       CALIB NASHYD       04:UNC-1       .80     .024 No_date    1:35   10.80 .285
00289>        {CN= 79.0: N= 3.00}
00290>        {Tp=  .21:DT= 5.00}
00291> #-----------------|-------------------------------------------------------------------|
00292> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 600mm CULVERT             |
00293> #-----------------|-------------------------------------------------------------------|
00294>  001:0039---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00295>       ADD HYD            02:EXT-1      3.50     .089 No_date    1:33    8.18  n/a
00296>                        + 03:INT-3       .20     .005 No_date    1:35    8.18  n/a
00297>                        + 04:UNC-1       .80     .024 No_date    1:35   10.80  n/a
00298>        {DT= 1.00}  SUM=  01:600mm      4.50     .117 No_date    1:33    8.65  n/a
00299> #-----------------|-------------------------------------------------------------------|
00300>  001:0040---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00301>       CALIB NASHYD       05:EXT-2      4.10     .107 No_date    1:32    8.18 .216
00302>        {CN= 79.0: N= 3.00}
00303>        {Tp=  .12:DT= 1.00}
00304> #-----------------|-------------------------------------------------------------------|
00305>  001:0041---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00306>       CALIB NASHYD       08:EXT-3      2.20     .056 No_date    1:33    8.18 .216
00307>        {CN= 79.0: N= 3.00}
00308>        {Tp=  .13:DT= 1.00}
00309>  001:0042---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00310>       CALIB STANDHYD     06:INT-2      3.00     .063 No_date    1:50   12.53 .330
00311>        {XIMP=.13:TIMP=.29}
00312>        {LOSS= 2 :CN= 69.0}
00313>        {Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0}
00314>        {Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0}
00315>  001:0043---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00316>       CALIB NASHYD       07:INT-4       .60     .014 No_date    1:35    8.18 .216
00317>        {CN= 79.0: N= 3.00}
00318>        {Tp=  .17:DT= 5.00}
00319>  001:0044---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00320>       CALIB STANDHYD     09:INT-1      9.90     .264 No_date    2:00   17.68 .466
00321>        {XIMP=.19:TIMP=.37}
00322>        {LOSS= 2 :CN= 79.0}
00323>        {Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0}
00324>        {Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0}
00325> #-----------------|-------------------------------------------------------------------|
00326> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR                  |
00327> #-----------------|-------------------------------------------------------------------|
00328>  001:0045---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00329>       ADD HYD            05:EXT-2      4.10     .107 No_date    1:32    8.18  n/a
00330>                        + 08:EXT-3      2.20     .056 No_date    1:33    8.18  n/a
00331>                        + 06:INT-2      3.00     .063 No_date    1:50   12.53  n/a
00332>                        + 07:INT-4       .60     .014 No_date    1:35    8.18  n/a
00333>                        + 09:INT-1      9.90     .264 No_date    2:00   17.68  n/a
00334>        {DT= 1.00}  SUM=  03:POOL1     19.80     .426 No_date    1:45   13.59  n/a
00335> #-----------------|-------------------------------------------------------------------|
00336>  001:0046---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00337>       ROUTE RESERVOIR -> 03:POOL1     19.80     .426 No_date    1:45   13.59  n/a
00338>        {RDT= 1.00} out<- 06:POOL      19.80     .171 No_date    3:06   13.59  n/a
00339>                  overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
00340>        {MxStoUsed=.1387E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00341>  001:0047---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00342>       CALIB NASHYD       10:UNC-2      1.50     .059 No_date    1:30   12.54 .330
00343>        {CN= 82.0: N= 3.00}
00344>        {Tp=  .17:DT= 5.00}
00345>  001:0048---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00346>       CALIB NASHYD       04:UNC-3s     2.10     .037 No_date    1:35    6.41 .169
00347>        {CN= 73.0: N= 3.00}
00348>        {Tp=  .17:DT= 5.00}
00349> #-----------------|-------------------------------------------------------------------|
00350> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT              |
00351> #-----------------|-------------------------------------------------------------------|
00352>  001:0049---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00353>       ADD HYD            04:UNC-3s     2.10     .037 No_date    1:35    6.41  n/a
00354>                        + 06:POOL      19.80     .171 No_date    3:06   13.59  n/a
00355>                        + 07:OVF1        .00     .000 No_date    0:00     .00  n/a
00356>                        + 10:UNC-2      1.50     .059 No_date    1:30   12.54  n/a
00357>        {DT= 1.00}  SUM=  02:900mm     23.40     .184 No_date    3:00   12.88  n/a
00358> #-----------------|-------------------------------------------------------------------|
00359>  001:0050---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00360>       CALIB NASHYD       04:EXT-4      2.60     .068 No_date    1:32    8.18 .216
00361>        {CN= 79.0: N= 3.00}
00362>        {Tp=  .12:DT= 1.00}
00363>  001:0051---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00364>       CALIB NASHYD       05:EXT-5      5.20     .142 No_date    1:31    8.18 .216
00365>        {CN= 79.0: N= 3.00}
00366>        {Tp=  .10:DT= 1.00}
00367>  001:0052---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00368>       CALIB NASHYD       08:INT-5       .10     .002 No_date    1:35    8.18 .215
00369>        {CN= 79.0: N= 3.00}
00370>        {Tp=  .17:DT= 5.00}
00371>  001:0053---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00372>       CALIB NASHYD       06:UNC-4s     3.00     .091 No_date    1:35   10.80 .285
00373>        {CN= 79.0: N= 3.00}
00374>        {Tp=  .21:DT= 5.00}
00375>  001:0054---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00376>       CALIB NASHYD       07:Ext-6      6.00     .125 No_date    1:42    8.18 .216
00377>        {CN= 79.0: N= 3.00}
00378>        {Tp=  .22:DT= 1.00}
00379>  001:0055---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00380>       CALIB NASHYD       09:Ext-7      6.00     .157 No_date    1:32    8.18 .216
00381>        {CN= 79.0: N= 3.00}
00382>        {Tp=  .12:DT= 1.00}
00383>  001:0056---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00384>       CALIB NASHYD       10:Ext-8     12.80     .246 No_date    1:46    8.18 .216
00385>        {CN= 79.0: N= 3.00}
00386>        {Tp=  .26:DT= 1.00}
00387> #-----------------|-------------------------------------------------------------------|
00388> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH                   |
00389> #-----------------|-------------------------------------------------------------------|
00390>  001:0057---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00391>       ADD HYD            04:EXT-4      2.60     .068 No_date    1:32    8.18  n/a
00392>                        + 05:EXT-5      5.20     .142 No_date    1:31    8.18  n/a
00393>                        + 06:UNC-4s     3.00     .091 No_date    1:35   10.80  n/a
00394>                        + 08:INT-5       .10     .002 No_date    1:35    8.18  n/a
00395>        {DT= 1.00}  SUM=  03:NE_DIT    10.90     .300 No_date    1:32    8.90  n/a
00396> #-----------------|-------------------------------------------------------------------|
00397>  001:0058---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00398>       ADD HYD            07:Ext-6      6.00     .125 No_date    1:42    8.18  n/a
00399>                        + 03:NE_DIT    10.90     .300 No_date    1:32    8.90  n/a
00400>                        + 09:Ext-7      6.00     .157 No_date    1:32    8.18  n/a
00401>                        + 10:Ext-8     12.80     .246 No_date    1:46    8.18  n/a
00402>        {DT= 1.00}  SUM=  04:NE_DIT    35.70     .761 No_date    1:36    8.40  n/a
00403>  001:0059---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00404>       CALIB NASHYD       06:Ext-9      7.00     .055 No_date    1:55    4.02 .106
00405>        {CN= 60.0: N= 3.00}
00406>        {Tp=  .35:DT= 5.00}
00407> #-----------------|-------------------------------------------------------------------|
00408> #-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow-----------------|
00409> #-----------------|-------------------------------------------------------------------|
00410> #-----------------|-------------------------------------------------------------------|
00411>  001:0060---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00412>       ADD HYD            04:NE_DIT     35.70     .761 No_date    1:36    8.40  n/a
00413>                        + 06:Ext-9      7.00     .055 No_date    1:55    4.02  n/a
00414>        {DT= 1.00}  SUM=  05:21A       42.70     .802 No_date    1:37    7.68  n/a
00415>  001:0061---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00416>       CALIB NASHYD       04:Ext-10     27.90     .135 No_date    2:00    2.75 .072
00417>        {CN= 49.4: N= 3.00}
00418>        {Tp=  .42:DT= 5.00}
00419>  001:0062---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00420>       CALIB NASHYD       03:Ext-11      3.90     .084 No_date    1:31    6.41 .169
00421>        {CN= 73.0: N= 3.00}
00422>        {Tp=  .08:DT= 1.00}
00423>  001:0063---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00424>       CALIB NASHYD       06:Ext-12      5.20     .136 No_date    1:32    8.18 .216
00425>        {CN= 79.0: N= 3.00}
00426>        {Tp=  .12:DT= 1.00}
00427> #-----------------|-------------------------------------------------------------------|
00428> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA---------------|
00429> #-----------------|-------------------------------------------------------------------|
00430> #-----------------|-------------------------------------------------------------------|
00431>  001:0064---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00432>       ADD HYD            01:800mm      4.50     .117 No_date    1:33    8.65  n/a
00433>                        + 02:900mm     23.40     .184 No_date    3:00   12.88  n/a
00434>                        + 04:Ext-10    27.90     .135 No_date    2:00    2.75  n/a
00435>                        + 03:Ext-11     3.90     .084 No_date    1:31    6.41  n/a
00436>                        + 06:Ext-12     5.20     .136 No_date    1:32    8.18  n/a
00437>        {DT= 1.00}  SUM=  05:WET-ST    64.90     .523 No_date    1:35    7.46  n/a
00438>  001:0065---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00439>       ROUTE RESERVOIR -> 05:WET-ST    64.90     .523 No_date    1:35    7.46  n/a
00440>        {RDT= 1.00} out<- 04:22        64.90     .205 No_date    4:03    7.46  n/a
00441>                  overflow <= 06:OVF       .00     .000 No_date    0:00     .00  n/a
00442>        {MxStoUsed=.1501E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00443>  001:0066---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00444>       CALIB NASHYD       03:Ext-10      4.90     .021 No_date    1:35    1.63 .043
00445>        {CN= 36.0: N= 3.00}
00446>        {Tp=  .17:DT= 5.00}
00447> #-----------------|-------------------------------------------------------------------|
00448> #-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ------------------|
00449> #-----------------|-------------------------------------------------------------------|
00450> #-----------------|-------------------------------------------------------------------|
00451>  001:0067---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00452>       ADD HYD            03:Ext-10      4.90     .021 No_date    1:35    1.63  n/a
00453>                        + 04:22        64.90     .205 No_date    4:03    7.46  n/a
00454>        {DT= 1.00}  SUM=  05:22        69.80     .207 No_date    3:59    7.05  n/a
00455> #-----------------|-------------------------------------------------------------------|
00456> #-----------------|----------5YR------------------------------------------------------|
00457> #-----------------|-------------------------------------------------------------------|
00458>  001:0068--------------------------------------------------------------------------------
00459>       CHICAGO STORM
00460>        {SDT=10.00:SDUR=   4.00:PTOT=  47.36}
00461>        {A/B/C=1508.929/  11.438/    .877: R=.9976}
00462> #-----------------|-------------------------------------------------------------------|
00463> #-----------------|----------POST-DEVELOPMENT------------------------------------------|
00464> #-----------------|-------------------------------------------------------------------|
00465>  001:0069---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00466>       CALIB NASHYD       02:EXT-1      3.50     .168 No_date    1:31   13.31 .281
00467>        {CN= 79.0: N= 3.00}
00468>        {Tp=  .13:DT= 1.00}
00469>  001:0070---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00470>       CALIB NASHYD       03:INT-3       .20     .009 No_date    1:30   13.31 .281
00471>        {CN= 79.0: N= 3.00}
00472>        {Tp=  .17:DT= 5.00}
00473>  001:0071---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00474>       CALIB NASHYD       04:UNC-1       .80     .040 No_date    1:35   16.33 .345
00475>        {CN= 79.0: N= 3.00}
00476>        {Tp=  .21:DT= 5.00}
00477> #-----------------|-------------------------------------------------------------------|
00478> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT              |
00479> #-----------------|-------------------------------------------------------------------|
00480>  001:0072---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00481>       ADD HYD            02:EXT-1      3.50     .168 No_date    1:31   13.31  n/a
00482>                        + 03:INT-3       .20     .009 No_date    1:30   13.31  n/a
00483>                        + 04:UNC-1       .80     .040 No_date    1:35   16.33  n/a
00484>        {DT= 1.00}  SUM=  01:800mm     4.50     .216 No_date    1:31   13.85  n/a
00485> #-----------------|-------------------------------------------------------------------|
00486>  001:0073---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00487>       CALIB NASHYD       05:EXT-2      4.10     .201 No_date    1:30   13.31 .281
00488>        {CN= 79.0: N= 3.00}
00489>        {Tp=  .12:DT= 1.00}
00490> #-----------------|-------------------------------------------------------------------|
00491>  001:0074---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00492>       CALIB NASHYD       08:EXT-3      2.20     .105 No_date    1:31   13.31 .281
00493>        {CN= 79.0: N= 3.00}
00494>        {Tp=  .13:DT= 1.00}
00495>  001:0075---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00496>       CALIB STANDHYD     06:INT-2      3.00     .103 No_date    1:45   17.84 .377
00497>        {XIMP=.13:TIMP=.29}
00498>        {LOSS= 2 :CN= 69.0}
00499>        {Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0}
00500>        {Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0}
00501>  001:0076---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00502>       CALIB NASHYD       07:INT-4       .60     .026 No_date    1:30   13.31 .281
00503>        {CN= 79.0: N= 3.00}
00504>        {Tp=  .17:DT= 5.00}
00505>  001:0077---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00506>       CALIB STANDHYD     09:INT-1      9.90     .418 No_date    1:55   24.57 .519
00507>        {XIMP=.19:TIMP=.37}
00508>        {LOSS= 2 :CN= 79.0}
00509>        {Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0}
00510>        {Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0}
00511> #-----------------|-------------------------------------------------------------------|
00512> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR                  |
00513> #-----------------|-------------------------------------------------------------------|
00514>  001:0078---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00515>       ADD HYD            05:EXT-2      4.10     .201 No_date    1:30   13.31  n/a
00516>                        + 08:EXT-3      2.20     .105 No_date    1:31   13.31  n/a
00517>                        + 06:INT-2      3.00     .103 No_date    1:45   17.84  n/a
00518>                        + 07:INT-4       .60     .026 No_date    1:30   13.31  n/a
00519>                        + 09:INT-1      9.90     .418 No_date    1:55   24.57  n/a
00520>        {DT= 1.00}  SUM=  03:POOL1     19.80     .712 No_date    1:35   19.62  n/a
00521> #-----------------|-------------------------------------------------------------------|
00522>  001:0079---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00523>       ROUTE RESERVOIR -> 03:POOL1     19.80     .712 No_date    1:35   19.62  n/a
00524>        {RDT= 1.00} out<- 06:POOL      19.80     .276 No_date    2:49   19.62  n/a
00525>                  overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
00526>        {MxStoUsed=.1955E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00527>  001:0080---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00528>       CALIB NASHYD       10:UNC-2      1.50     .098 No_date    1:30   18.63 .393
00529>        {CN= 82.0: N= 3.00}
00530>        {Tp=  .17:DT= 5.00}
00531>  001:0081---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00532>       CALIB NASHYD       04:UNC-3s     2.10     .069 No_date    1:30   10.63 .224
00533>        {CN= 73.0: N= 3.00}
00534>        {Tp=  .17:DT= 5.00}
00535> #-----------------|-------------------------------------------------------------------|
00536> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT              |
00537> #-----------------|-------------------------------------------------------------------|
00538>  001:0082---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00539>       ADD HYD            04:UNC-3s     2.10     .069 No_date    1:30   10.63  n/a
00540>                        + 06:POOL      19.80     .276 No_date    2:49   19.62  n/a
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00541>                    +  07:OVF1         .00      .000 No_date    0:00     .00  n/a
00542>                    +  10:UNC-2       1.50      .098 No_date    1:30   18.63  n/a
00543>       [DT= 1.00]  SUM=  02:900mm     23.40      .299 No_date    2:42   18.75  n/a
00544> #----------------|-------------------------------------------------------------|
00545>  001:0083---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00546>       CALIB NASHYD       04:EXT-4       2.60      .128 No_date    1:30   13.31 .281
00547>         [CN= 79.0: N= 3.00]
00548>         [Tp=  .12:DT= 1.00]
00549>  001:0084---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00550>       CALIB NASHYD       05:EXT-5       5.20      .273 No_date    1:26   13.31 .281
00551>         [CN= 79.0: N= 3.00]
00552>         [Tp=  .10:DT= 1.00]
00553>  001:0085---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00554>       CALIB NASHYD       08:INT-5        .10      .004 No_date    1:30   13.30 .281
00555>         [CN= 79.0: N= 3.00]
00556>         [Tp=  .17:DT= 5.00]
00557>  001:0086---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00558>       CALIB NASHYD       06:UNC-4s      3.00      .150 No_date    1:35   16.33 .345
00559>         [CN= 79.0: N= 3.00]
00560>         [Tp=  .21:DT= 5.00]
00561>  001:0087---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00562>       CALIB NASHYD       07:Ext-6       6.00      .227 No_date    1:38   13.31 .281
00563>         [CN= 79.0: N= 3.00]
00564>         [Tp=  .22:DT= 1.00]
00565>  001:0088---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00566>       CALIB NASHYD       09:Ext-7       6.00      .294 No_date    1:30   13.31 .281
00567>         [CN= 79.0: N= 3.00]
00568>         [Tp=  .12:DT= 1.00]
00569>  001:0089---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00570>       CALIB NASHYD       10:Ext-8      12.80      .443 No_date    1:42   13.31 .281
00571>         [CN= 79.0: N= 3.00]
00572>         [Tp=  .26:DT= 1.00]
00573> #----------------|-------------------------------------------------------------|
00574> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
00575> #----------------|-------------------------------------------------------------|
00576>  001:0090---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00577>       ADD HYD            04:EXT-4       2.60      .128 No_date    1:30   13.31  n/a
00578>                       +  05:EXT-5       5.20      .273 No_date    1:26   13.31  n/a
00579>                       +  06:UNC-4s      3.00      .150 No_date    1:35   16.33  n/a
00580>                       +  08:INT-5        .10      .004 No_date    1:30   13.30  n/a
00581>       [DT= 1.00]  SUM=  03:NE_DIT      10.90      .543 No_date    1:30   14.14  n/a
00582> #----------------|-------------------------------------------------------------|
00583>  001:0091---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00584>       ADD HYD            07:Ext-6       6.00      .227 No_date    1:38   13.31  n/a
00585>                       +  03:NE_DIT      10.90      .543 No_date    1:30   14.14  n/a
00586>                       +  09:Ext-7       6.00      .294 No_date    1:30   13.31  n/a
00587>                       +  10:Ext-8      12.80      .443 No_date    1:42   13.31  n/a
00588>       [DT= 1.00]  SUM=  04:NE_DIT      35.70     1.395 No_date    1:33   13.56  n/a
00589>  001:0092---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00590>       CALIB NASHYD       06:Ext-9       7.00      .100 No_date    1:50    6.83 .144
00591>         [CN= 60.0: N= 3.00]
00592>         [Tp=  .35:DT= 5.00]
00593> #----------------|-------------------------------------------------------------|
00594> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
00595> #----------------|-------------------------------------------------------------|
00596> #----------------|-------------------------------------------------------------|
00597>  001:0093---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00598>       ADD HYD            04:NE_DIT      35.70     1.395 No_date    1:33   13.56  n/a
00599>                       +  06:Ext-9       7.00      .100 No_date    1:50    6.83  n/a
00600>       [DT= 1.00]  SUM=  05:21A        42.70     1.469 No_date    1:34   12.46  n/a
00601>  001:0094---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00602>       CALIB NASHYD       04:Ext-10      27.90      .246 No_date    1:55    4.74 .100
00603>         [CN= 49.4: N= 3.00]
00604>         [Tp=  .42:DT= 5.00]
00605>  001:0095---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00606>       CALIB NASHYD       03:Ext-11      3.90      .174 No_date    1:24   10.63 .224
00607>         [CN= 73.0: N= 3.00]
00608>         [Tp=  .08:DT= 1.00]
00609>  001:0096---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00610>       CALIB NASHYD       06:Ext-12      5.20      .255 No_date    1:30   13.31 .281
00611>         [CN= 79.0: N= 3.00]
00612>         [Tp=  .12:DT= 1.00]
00613> #----------------|-------------------------------------------------------------|
00614> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00615> #----------------|-------------------------------------------------------------|
00616> #----------------|-------------------------------------------------------------|
00617>  001:0097---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00618>       ADD HYD            01:800mm        4.50      .216 No_date    1:31   13.85  n/a
00619>                       +  02:900mm       23.40      .299 No_date    2:42   18.75  n/a
00620>                       +  04:Ext-10      27.90      .246 No_date    1:55    4.74  n/a
00621>                       +  03:Ext-11       3.90      .174 No_date    1:24   10.63  n/a
00622>                       +  06:Ext-12       5.20      .255 No_date    1:30   13.31  n/a
00623>       [DT= 1.00]  SUM=  05:WET-ST      64.90      .960 No_date    1:32   11.46  n/a
00624>  001:0098---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00625>       ROUTE RESERVOIR -> 05:WET-ST      64.90      .960 No_date    1:32   11.46  n/a
00626>         [RDT= 1.00] out<- 04:22         64.90      .266 No_date    4:10   11.46  n/a
00627>                  overflow <= 06:OVF        .00      .000 No_date    0:00     .00  n/a
00628>       [MxStoUsed=.3229E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00629>  001:0099---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00630>       CALIB NASHYD       03:Ext-10      4.90      .040 No_date    1:35    2.85 .060
00631>         [CN= 36.0: N= 3.00]
00632>         [Tp=  .17:DT= 5.00]
00633> #----------------|-------------------------------------------------------------|
00634> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
00635> #----------------|-------------------------------------------------------------|
00636> #----------------|-------------------------------------------------------------|
00637>  001:0100---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00638>       ADD HYD            03:Ext-10      4.90      .040 No_date    1:35    2.85  n/a
00639>                       +  04:22         64.90      .266 No_date    4:10   11.46  n/a
00640>       [DT= 1.00]  SUM=  05:22         69.80      .269 No_date    4:00   10.86  n/a
00641> #----------------|-------------------------------------------------------------|
00642> #----------------|----------10YR-----------------------------------------------|
00643> #----------------|-------------------------------------------------------------|
00644>  001:0101---------------------------------------------------------------------
00645>       CHICAGO STORM
00646>       [SDT=10.00:SDUR=    4.00:PTOT=  58.19]
00647>       [A/B/C=1786.143/  15.082/    .868: R=.9956]
00648> #----------------|-------------------------------------------------------------|
00649> #----------------|----------POST-DEVELOPMENT-----------------------------------|
00650> #----------------|-------------------------------------------------------------|
00651>  001:0102---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00652>       CALIB NASHYD       02:EXT-1       3.50      .236 No_date    1:31   20.07 .345
00653>         [CN= 79.0: N= 3.00]
00654>         [Tp=  .13:DT= 1.00]
00655>  001:0103---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00656>       CALIB NASHYD       03:INT-3        .20      .012 No_date    1:30   20.07 .345
00657>         [CN= 79.0: N= 3.00]
00658>         [Tp=  .17:DT= 5.00]
00659>  001:0104---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00660>       CALIB NASHYD       04:UNC-1        .80      .054 No_date    1:35   23.44 .403
00661>         [CN= 79.0: N= 3.00]
00662>         [Tp=  .21:DT= 5.00]
00663> #----------------|-------------------------------------------------------------|
00664> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
00665> #----------------|-------------------------------------------------------------|
00666>  001:0105---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00667>       ADD HYD            02:EXT-1       3.50      .236 No_date    1:31   20.07  n/a
00668>                       +  03:INT-3        .20      .012 No_date    1:30   20.07  n/a
00669>                       +  04:UNC-1        .80      .054 No_date    1:35   23.44  n/a
00670>       [DT= 1.00]  SUM=  01:800mm       4.50      .301 No_date    1:31   20.67  n/a
00671> #----------------|-------------------------------------------------------------|
00672>  001:0106---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00673>       CALIB NASHYD       05:EXT-2       4.10      .282 No_date    1:29   20.07 .345
00674>         [CN= 79.0: N= 3.00]
00675>         [Tp=  .12:DT= 1.00]
00676> #----------------|-------------------------------------------------------------|
00677>  001:0107---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00678>       CALIB NASHYD       08:EXT-3       2.20      .148 No_date    1:31   20.07 .345
00679>         [CN= 79.0: N= 3.00]
00680>         [Tp=  .13:DT= 1.00]
00681>  001:0108---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00682>       CALIB STANDHYD     06:INT-2       3.00      .138 No_date    1:45   24.60 .423
00683>         [XIMP=.13:TIMP=.29]
00684>         [LOSS= 2 :CN= 69.0]
00685>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00686>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
00687>  001:0109---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00688>       CALIB NASHYD       07:INT-4        .60      .036 No_date    1:30   20.07 .345
00689>         [CN= 79.0: N= 3.00]
00690>         [Tp=  .17:DT= 5.00]
00691>  001:0110---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00692>       CALIB STANDHYD     09:INT-1       9.90      .573 No_date    1:50   33.03 .568
00693>         [XIMP=.19:TIMP=.37]
00694>         [LOSS= 2 :CN= 79.0]
00695>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00696>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
00697> #----------------|-------------------------------------------------------------|
00698> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
00699> #----------------|-------------------------------------------------------------|
00700>  001:0111---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00701>       ADD HYD            05:EXT-2       4.10      .282 No_date    1:29   20.07  n/a
00702>                       +  08:EXT-3       2.20      .148 No_date    1:31   20.07  n/a
00703>                       +  06:INT-2       3.00      .138 No_date    1:45   24.60  n/a
00704>                       +  07:INT-4        .60      .036 No_date    1:30   20.07  n/a
00705>                       +  09:INT-1       9.90      .573 No_date    1:50   33.03  n/a
00706>       [DT= 1.00]  SUM=  03:POOL1      19.80      .997 No_date    1:40   27.24  n/a
00707> #----------------|-------------------------------------------------------------|
00708>  001:0112---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00709>       ROUTE RESERVOIR -> 03:POOL1      19.80      .997 No_date    1:40   27.24  n/a
00710>         [RDT= 1.00] out<- 06:POOL      19.80      .399 No_date    2:45   27.24  n/a
00711>                  overflow <= 07:OVF1       .00      .000 No_date    0:00     .00  n/a
00712>       [MxStoUsed=.2625E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00713>  001:0113---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00714>       CALIB NASHYD       10:UNC-2       1.50      .128 No_date    1:30   26.34 .453
00715>         [CN= 82.0: N= 3.00]
00716>         [Tp=  .17:DT= 5.00]
00717>  001:0114---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00718>       CALIB NASHYD       04:UNC-3s      2.10      .100 No_date    1:30   16.34 .281
00719>         [CN= 73.0: N= 3.00]
00720>         [Tp=  .17:DT= 5.00]
00721> #----------------|-------------------------------------------------------------|
00722> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
00723> #----------------|-------------------------------------------------------------|
00724>  001:0115---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00725>       ADD HYD            04:UNC-3s      2.10      .100 No_date    1:30   16.34  n/a
00726>                       +  06:POOL       19.80      .399 No_date    2:45   27.24  n/a
00727>                       +  07:OVF1         .00      .000 No_date    0:00     .00  n/a
00728>                       +  10:UNC-2       1.50      .128 No_date    1:30   26.34  n/a
00729>       [DT= 1.00]  SUM=  02:900mm      23.40      .438 No_date    2:37   26.20  n/a
00730> #----------------|-------------------------------------------------------------|
00731>  001:0116---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00732>       CALIB NASHYD       04:EXT-4       2.60      .179 No_date    1:29   20.07 .345
00733>         [CN= 79.0: N= 3.00]
00734>         [Tp=  .12:DT= 1.00]
00735>  001:0117---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00736>       CALIB NASHYD       05:EXT-5       5.20      .381 No_date    1:25   20.07 .345
00737>         [CN= 79.0: N= 3.00]
00738>         [Tp=  .10:DT= 1.00]
00739>  001:0118---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00740>       CALIB NASHYD       08:INT-5        .10      .006 No_date    1:30   20.07 .345
00741>         [CN= 79.0: N= 3.00]
00742>         [Tp=  .17:DT= 5.00]
00743>  001:0119---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00744>       CALIB NASHYD       06:UNC-4s      3.00      .202 No_date    1:35   23.44 .403
00745>         [CN= 79.0: N= 3.00]
00746>         [Tp=  .21:DT= 5.00]
00747>  001:0120---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00748>       CALIB NASHYD       07:Ext-6       6.00      .325 No_date    1:38   20.07 .345
00749>         [CN= 79.0: N= 3.00]
00750>         [Tp=  .22:DT= 1.00]
00751>  001:0121---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00752>       CALIB NASHYD       09:Ext-7       6.00      .413 No_date    1:29   20.07 .345
00753>         [CN= 79.0: N= 3.00]
00754>         [Tp=  .12:DT= 1.00]
00755>  001:0122---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00756>       CALIB NASHYD       10:Ext-8      12.80      .639 No_date    1:42   20.07 .345
00757>         [CN= 79.0: N= 3.00]
00758>         [Tp=  .26:DT= 1.00]
00759> #----------------|-------------------------------------------------------------|
00760> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
00761> #----------------|-------------------------------------------------------------|
00762>  001:0123---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00763>       ADD HYD            04:EXT-4       2.60      .179 No_date    1:29   20.07  n/a
00764>                       +  05:EXT-5       5.20      .381 No_date    1:25   20.07  n/a
00765>                       +  06:UNC-4s      3.00      .202 No_date    1:35   23.44  n/a
00766>                       +  08:INT-5        .10      .006 No_date    1:30   20.07  n/a
00767>       [DT= 1.00]  SUM=  03:NE_DIT      10.90      .749 No_date    1:30   20.99  n/a
00768> #----------------|-------------------------------------------------------------|
00769>  001:0124---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00770>       ADD HYD            07:Ext-6       6.00      .325 No_date    1:38   20.07  n/a
00771>                       +  03:NE_DIT      10.90      .749 No_date    1:30   20.99  n/a
00772>                       +  09:Ext-7       6.00      .413 No_date    1:29   20.07  n/a
00773>                       +  10:Ext-8      12.80      .639 No_date    1:42   20.07  n/a
00774>       [DT= 1.00]  SUM=  04:NE_DIT      35.70     1.978 No_date    1:33   20.35  n/a
00775>  001:0125---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00776>       CALIB NASHYD       06:Ext-9       7.00      .152 No_date    1:50   10.77 .185
00777>         [CN= 60.0: N= 3.00]
00778>         [Tp=  .35:DT= 5.00]
00779> #----------------|-------------------------------------------------------------|
00780> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
00781> #----------------|-------------------------------------------------------------|
00782> #----------------|-------------------------------------------------------------|
00783>  001:0126---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00784>       ADD HYD            04:NE_DIT      35.70     1.978 No_date    1:33   20.35  n/a
00785>                       +  06:Ext-9       7.00      .152 No_date    1:50   10.77  n/a
00786>       [DT= 1.00]  SUM=  05:21A        42.70     2.092 No_date    1:34   18.78  n/a
00787>  001:0127---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00788>       CALIB NASHYD       04:Ext-10      27.90      .379 No_date    1:55    7.59 .130
00789>         [CN= 49.4: N= 3.00]
00790>         [Tp=  .42:DT= 5.00]
00791>  001:0128---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00792>       CALIB NASHYD       03:Ext-11      3.90      .244 No_date    1:23   16.34 .281
00793>         [CN= 73.0: N= 3.00]
00794>         [Tp=  .08:DT= 1.00]
00795>  001:0129---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00796>       CALIB NASHYD       06:Ext-12      5.20      .358 No_date    1:29   20.07 .345
00797>         [CN= 79.0: N= 3.00]
00798>         [Tp=  .12:DT= 1.00]
00799> #----------------|-------------------------------------------------------------|
00800> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00801> #----------------|-------------------------------------------------------------|
00802> #----------------|-------------------------------------------------------------|
00803>  001:0130---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00804>       ADD HYD            01:800mm        4.50      .301 No_date    1:31   20.67  n/a
00805>                       +  02:900mm       23.40      .438 No_date    2:37   26.20  n/a
00806>                       +  04:Ext-10      27.90      .379 No_date    1:55    7.59  n/a
00807>                       +  03:Ext-11       3.90      .244 No_date    1:23   16.34  n/a
00808>                       +  06:Ext-12       5.20      .358 No_date    1:29   20.07  n/a
00809>       [DT= 1.00]  SUM=  05:WET-ST      64.90     1.366 No_date    1:32   16.73  n/a
00810>  001:0131---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
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00811>       ROUTE RESERVOIR -> 05:WET-ST     64.90     1.366 No_date    1:32   16.73  n/a
00812>         [RDT= 1.00] out<- 04:22        64.90      .332 No_date    4:19   16.73  n/a
00813>                  overflow <= 06:OVF      .00      .000 No_date    0:00     .00  n/a
00814>       [MxStoUsed=.5620E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00815>  001:0132---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00816>       CALIB NASHYD       03:Ext-10      4.90      .061 No_date    1:35    4.65 .080
00817>         [CN= 36.0: N= 3.00]
00818>         [Tp=  .17:DT= 5.00]
00819> #----------------|-------------------------------------------------------------|
00820> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00821> #----------------|-------------------------------------------------------------|
00822> #----------------|-------------------------------------------------------------|
00823>  001:0133---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00824>       ADD HYD            03:Ext-10      4.90      .061 No_date    1:35    4.65  n/a
00825>                        +  04:22        64.90      .332 No_date    4:19   16.73  n/a
00826>         [DT= 1.00]  SUM=  05:22        69.80      .337 No_date    4:00   15.88  n/a
00827> #----------------|-------------------------------------------------------------|
00828> #----------------|----------25YR-----------------------------------------------|
00829> #----------------|-------------------------------------------------------------|
00830>  001:0134---------------------------------------------------------------------
00831>       CHICAGO STORM
00832>         [SDT=10.00:SDUR=    4.00:PTOT=  68.79]
00833>         [A/B/C=2004.494/  14.438/    .859: R=.9957]
00834> #----------------|-------------------------------------------------------------|
00835> #----------------|----------POST-DEVELOPMENT-----------------------------------|
00836> #----------------|-------------------------------------------------------------|
00837>  001:0135---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00838>       CALIB NASHYD       02:EXT-1       3.50      .330 No_date    1:29   27.36 .398
00839>         [CN= 79.0: N= 3.00]
00840>         [Tp=  .13:DT= 1.00]
00841>  001:0136---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00842>       CALIB NASHYD       03:INT-3        .20      .017 No_date    1:30   27.36 .398
00843>         [CN= 79.0: N= 3.00]
00844>         [Tp=  .17:DT= 5.00]
00845>  001:0137---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00846>       CALIB NASHYD       04:UNC-1        .80      .072 No_date    1:35   30.99 .450
00847>         [CN= 79.0: N= 3.00]
00848>         [Tp=  .21:DT= 5.00]
00849> #----------------|-------------------------------------------------------------|
00850> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT     |
00851> #----------------|-------------------------------------------------------------|
00852>  001:0138---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00853>       ADD HYD            02:EXT-1       3.50      .330 No_date    1:29   27.36  n/a
00854>                        +  03:INT-3        .20      .017 No_date    1:30   27.36  n/a
00855>                        +  04:UNC-1        .80      .072 No_date    1:35   30.99  n/a
00856>         [DT= 1.00]  SUM=  01:800mm       4.50      .418 No_date    1:30   28.01  n/a
00857> #----------------|-------------------------------------------------------------|
00858>  001:0139---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00859>       CALIB NASHYD       05:EXT-2       4.10      .397 No_date    1:27   27.36 .398
00860>         [CN= 79.0: N= 3.00]
00861>         [Tp=  .12:DT= 1.00]
00862> #----------------|-------------------------------------------------------------|
00863>  001:0140---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00864>       CALIB NASHYD       08:EXT-3       2.20      .207 No_date    1:29   27.36 .398
00865>         [CN= 79.0: N= 3.00]
00866>         [Tp=  .13:DT= 1.00]
00867>  001:0141---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00868>       CALIB STANDHYD     06:INT-2       3.00      .195 No_date    1:40   31.76 .462
00869>         [XIMP=.13:TIMP=.29]
00870>         [LOSS= 2 :CN= 69.0]
00871>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00872>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
00873>  001:0142---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00874>       CALIB NASHYD       07:INT-4        .60      .051 No_date    1:30   27.36 .398
00875>         [CN= 79.0: N= 3.00]
00876>         [Tp=  .17:DT= 5.00]
00877>  001:0143---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00878>       CALIB STANDHYD     09:INT-1       9.90      .751 No_date    1:50   41.75 .607
00879>         [XIMP=.19:TIMP=.37]
00880>         [LOSS= 2 :CN= 79.0]
00881>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00882>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
00883> #----------------|-------------------------------------------------------------|
00884> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
00885> #----------------|-------------------------------------------------------------|
00886>  001:0144---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00887>       ADD HYD            05:EXT-2       4.10      .397 No_date    1:27   27.36  n/a
00888>                        +  08:EXT-3       2.20      .207 No_date    1:29   27.36  n/a
00889>                        +  06:INT-2       3.00      .195 No_date    1:40   31.76  n/a
00890>                        +  07:INT-4        .60      .051 No_date    1:30   27.36  n/a
00891>                        +  09:INT-1       9.90      .751 No_date    1:50   41.75  n/a
00892>         [DT= 1.00]  SUM=  03:POOL1      19.80     1.339 No_date    1:35   35.22  n/a
00893> #----------------|-------------------------------------------------------------|
00894>  001:0145---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00895>       ROUTE RESERVOIR -> 03:POOL1     19.80     1.339 No_date    1:35   35.22  n/a
00896>         [RDT= 1.00] out<- 06:POOL      19.80      .534 No_date    2:41   35.22  n/a
00897>                  overflow <= 07:OVF1      .00      .000 No_date    0:00     .00  n/a
00898>       [MxStoUsed=.3358E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00899>  001:0146---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00900>       CALIB NASHYD       10:UNC-2       1.50      .169 No_date    1:30   34.43 .501
00901>         [CN= 82.0: N= 3.00]
00902>         [Tp=  .17:DT= 5.00]
00903>  001:0147---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00904>       CALIB NASHYD       04:UNC-3s      2.10      .144 No_date    1:30   22.63 .329
00905>         [CN= 73.0: N= 3.00]
00906>         [Tp=  .17:DT= 5.00]
00907> #----------------|-------------------------------------------------------------|
00908> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
00909> #----------------|-------------------------------------------------------------|
00910>  001:0148---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00911>       ADD HYD            04:UNC-3s      2.10      .144 No_date    1:30   22.63  n/a
00912>                        +  06:POOL       19.80      .534 No_date    2:41   35.22  n/a
00913>                        +  07:OVF1         .00      .000 No_date    0:00     .00  n/a
00914>                        +  10:UNC-2       1.50      .169 No_date    1:30   34.43  n/a
00915>         [DT= 1.00]  SUM=  02:900mm      23.40      .588 No_date    2:32   34.04  n/a
00916> #----------------|-------------------------------------------------------------|
00917>  001:0149---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00918>       CALIB NASHYD       04:EXT-4       2.60      .252 No_date    1:27   27.36 .398
00919>         [CN= 79.0: N= 3.00]
00920>         [Tp=  .12:DT= 1.00]
00921>  001:0150---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00922>       CALIB NASHYD       05:EXT-5       5.20      .543 No_date    1:25   27.36 .398
00923>         [CN= 79.0: N= 3.00]
00924>         [Tp=  .10:DT= 1.00]
00925>  001:0151---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00926>       CALIB NASHYD       08:INT-5        .10      .009 No_date    1:30   27.36 .398
00927>         [CN= 79.0: N= 3.00]
00928>         [Tp=  .17:DT= 5.00]
00929>  001:0152---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00930>       CALIB NASHYD       06:UNC-4s      3.00      .268 No_date    1:35   30.99 .450
00931>         [CN= 79.0: N= 3.00]
00932>         [Tp=  .21:DT= 5.00]
00933>  001:0153---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00934>       CALIB NASHYD       07:Ext-6       6.00      .454 No_date    1:37   27.36 .398
00935>         [CN= 79.0: N= 3.00]
00936>         [Tp=  .22:DT= 1.00]
00937>  001:0154---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00938>       CALIB NASHYD       09:Ext-7       6.00      .582 No_date    1:27   27.36 .398
00939>         [CN= 79.0: N= 3.00]
00940>         [Tp=  .12:DT= 1.00]
00941>  001:0155---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00942>       CALIB NASHYD       10:Ext-8      12.80      .890 No_date    1:41   27.36 .398
00943>         [CN= 79.0: N= 3.00]
00944>         [Tp=  .26:DT= 1.00]
00945> #----------------|-------------------------------------------------------------|

00946> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
00947> #----------------|-------------------------------------------------------------|
00948>  001:0156---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00949>       ADD HYD            04:EXT-4       2.60      .252 No_date    1:27   27.36  n/a
00950>                        +  05:EXT-5       5.20      .543 No_date    1:25   27.36  n/a
00951>                        +  06:UNC-4s      3.00      .268 No_date    1:35   30.99  n/a
00952>                        +  08:INT-5        .10      .009 No_date    1:30   27.36  n/a
00953>         [DT= 1.00]  SUM=  03:NE_DIT     10.90     1.036 No_date    1:27   28.36  n/a
00954> #----------------|-------------------------------------------------------------|
00955>  001:0157---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00956>       ADD HYD            07:Ext-6       6.00      .454 No_date    1:37   27.36  n/a
00957>                        +  03:NE_DIT     10.90     1.036 No_date    1:27   28.36  n/a
00958>                        +  09:Ext-7       6.00      .582 No_date    1:27   27.36  n/a
00959>                        +  10:Ext-8      12.80      .890 No_date    1:41   27.36  n/a
00960>         [DT= 1.00]  SUM=  04:NE_DIT     35.70     2.752 No_date    1:32   27.67  n/a
00961>  001:0158---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00962>       CALIB NASHYD       06:Ext-9       7.00      .217 No_date    1:50   15.26 .222
00963>         [CN= 60.0: N= 3.00]
00964>         [Tp=  .35:DT= 5.00]
00965> #----------------|-------------------------------------------------------------|
00966> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
00967> #----------------|-------------------------------------------------------------|
00968> #----------------|-------------------------------------------------------------|
00969>  001:0159---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00970>       ADD HYD            04:NE_DIT     35.70     2.752 No_date    1:32   27.67  n/a
00971>                        +  06:Ext-9       7.00      .217 No_date    1:50   15.26  n/a
00972>         [DT= 1.00]  SUM=  05:21A       42.70     2.916 No_date    1:33   25.63  n/a
00973>  001:0160---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00974>       CALIB NASHYD       04:Ext-10     27.90      .550 No_date    1:55   10.90 .158
00975>         [CN= 49.4: N= 3.00]
00976>         [Tp=  .42:DT= 5.00]
00977>  001:0161---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00978>       CALIB NASHYD       03:Ext-11      3.90      .355 No_date    1:23   22.63 .329
00979>         [CN= 73.0: N= 3.00]
00980>         [Tp=  .08:DT= 1.00]
00981>  001:0162---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00982>       CALIB NASHYD       06:Ext-12      5.20      .504 No_date    1:27   27.36 .398
00983>         [CN= 79.0: N= 3.00]
00984>         [Tp=  .12:DT= 1.00]
00985> #----------------|-------------------------------------------------------------|
00986> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00987> #----------------|-------------------------------------------------------------|
00988> #----------------|-------------------------------------------------------------|
00989>  001:0163---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00990>       ADD HYD            01:800mm       4.50      .418 No_date    1:30   28.01  n/a
00991>                        +  02:900mm      23.40      .588 No_date    2:32   34.04  n/a
00992>                        +  04:Ext-10     27.90      .550 No_date    1:55   10.90  n/a
00993>                        +  03:Ext-11      3.90      .355 No_date    1:23   22.63  n/a
00994>                        +  06:Ext-12      5.20      .504 No_date    1:27   27.36  n/a
00995>         [DT= 1.00]  SUM=  05:WET-ST     64.90     1.910 No_date    1:32   22.45  n/a
00996>  001:0164---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00997>       ROUTE RESERVOIR -> 05:WET-ST     64.90     1.910 No_date    1:32   22.45  n/a
00998>         [RDT= 1.00] out<- 04:22        64.90      .399 No_date    4:25   22.45  n/a
00999>                  overflow <= 06:OVF      .00      .000 No_date    0:00     .00  n/a
01000>       [MxStoUsed=.8313E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
01001>  001:0165---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01002>       CALIB NASHYD       03:Ext-10      4.90      .090 No_date    1:30   6.77 .098
01003>         [CN= 36.0: N= 3.00]
01004>         [Tp=  .17:DT= 5.00]
01005> #----------------|-------------------------------------------------------------|
01006> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
01007> #----------------|-------------------------------------------------------------|
01008> #----------------|-------------------------------------------------------------|
01009>  001:0166---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01010>       ADD HYD            03:Ext-10      4.90      .090 No_date    1:30   6.77  n/a
01011>                        +  04:22        64.90      .399 No_date    4:25   22.45  n/a
01012>         [DT= 1.00]  SUM=  05:22        69.80      .405 No_date    4:00   21.35  n/a
01013> #----------------|-------------------------------------------------------------|
01014> #----------------|----------50YR-----------------------------------------------|
01015> #----------------|-------------------------------------------------------------|
01016>  001:0167---------------------------------------------------------------------
01017>       CHICAGO STORM
01018>         [SDT=10.00:SDUR=    4.00:PTOT=  75.40]
01019>         [A/B/C=2171.774/  14.262/    .857: R=.9956]
01020> #----------------|-------------------------------------------------------------|
01021> #----------------|----------POST-DEVELOPMENT-----------------------------------|
01022> #----------------|-------------------------------------------------------------|
01023>  001:0168---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01024>       CALIB NASHYD       02:EXT-1       3.50      .395 No_date    1:28   32.18 .427
01025>         [CN= 79.0: N= 3.00]
01026>         [Tp=  .13:DT= 1.00]
01027>  001:0169---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01028>       CALIB NASHYD       03:INT-3        .20      .020 No_date    1:30   32.18 .427
01029>         [CN= 79.0: N= 3.00]
01030>         [Tp=  .17:DT= 5.00]
01031>  001:0170---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01032>       CALIB NASHYD       04:UNC-1        .80      .084 No_date    1:30   35.94 .477
01033>         [CN= 79.0: N= 3.00]
01034>         [Tp=  .21:DT= 5.00]
01035> #----------------|-------------------------------------------------------------|
01036> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
01037> #----------------|-------------------------------------------------------------|
01038>  001:0171---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01039>       ADD HYD            02:EXT-1       3.50      .395 No_date    1:28   32.18  n/a
01040>                        +  03:INT-3        .20      .020 No_date    1:30   32.18  n/a
01041>                        +  04:UNC-1        .80      .084 No_date    1:30   35.94  n/a
01042>         [DT= 1.00]  SUM=  01:800mm       4.50      .497 No_date    1:30   32.85  n/a
01043> #----------------|-------------------------------------------------------------|
01044>  001:0172---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01045>       CALIB NASHYD       05:EXT-2       4.10      .477 No_date    1:27   32.18 .427
01046>         [CN= 79.0: N= 3.00]
01047>         [Tp=  .12:DT= 1.00]
01048> #----------------|-------------------------------------------------------------|
01049>  001:0173---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01050>       CALIB NASHYD       08:EXT-3       2.20      .248 No_date    1:28   32.18 .427
01051>         [CN= 79.0: N= 3.00]
01052>         [Tp=  .13:DT= 1.00]
01053>  001:0174---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01054>       CALIB STANDHYD     06:INT-2       3.00      .229 No_date    1:40   36.45 .483
01055>         [XIMP=.13:TIMP=.29]
01056>         [LOSS= 2 :CN= 69.0]
01057>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01058>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
01059>  001:0175---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01060>       CALIB NASHYD       07:INT-4        .60      .061 No_date    1:30   32.18 .427
01061>         [CN= 79.0: N= 3.00]
01062>         [Tp=  .17:DT= 5.00]
01063>  001:0176---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01064>       CALIB STANDHYD     09:INT-1       9.90      .905 No_date    1:45   47.35 .628
01065>         [XIMP=.19:TIMP=.37]
01066>         [LOSS= 2 :CN= 79.0]
01067>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01068>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
01069> #----------------|-------------------------------------------------------------|
01070> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
01071> #----------------|-------------------------------------------------------------|
01072>  001:0177---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01073>       ADD HYD            05:EXT-2       4.10      .477 No_date    1:27   32.18  n/a
01074>                        +  08:EXT-3       2.20      .248 No_date    1:28   32.18  n/a
01075>                        +  06:INT-2       3.00      .229 No_date    1:40   36.45  n/a
01076>                        +  07:INT-4        .60      .061 No_date    1:30   32.18  n/a
01077>                        +  09:INT-1       9.90      .905 No_date    1:45   47.35  n/a
01078>         [DT= 1.00]  SUM=  03:POOL1      19.80     1.679 No_date    1:35   40.41  n/a
01079> #----------------|-------------------------------------------------------------|
01080>  001:0178---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
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01081>       ROUTE RESERVOIR -> 03:POOL1      19.80    1.679 No_date    1:35   40.41  n/a
01082>         [RDT= 1.00] out<- 06:POOL      19.80     .630 No_date    2:35   40.41  n/a
01083>                 overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
01084>       [MxStoUsed=.3879E+00, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
01085>  001:0179----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01086>       CALIB NASHYD       10:UNC-2       1.50     .197 No_date    1:30   39.69 .526
01087>         [CN= 82.0: N= 3.00]
01088>         [Tp=  .17:DT= 5.00]
01089>  001:0180----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01090>       CALIB NASHYD       04:UNC-3s      2.10     .173 No_date    1:30   26.84 .356
01091>         [CN= 73.0: N= 3.00]
01092>         [Tp=  .17:DT= 5.00]
01093> #----------------|-------------------------------------------------------------|
01094> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
01095> #----------------|-------------------------------------------------------------|
01096>  001:0181----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01097>       ADD HYD            04:UNC-3s      2.10     .173 No_date    1:30   26.84  n/a
01098>                        +  06:POOL       19.80     .630 No_date    2:35   40.41  n/a
01099>                        +  07:OVF1         .00     .000 No_date    0:00     .00  n/a
01100>                        +  10:UNC-2       1.50     .197 No_date    1:30   39.69  n/a
01101>         [DT= 1.00]  SUM=  02:900mm      23.40     .698 No_date    2:26   39.15  n/a
01102> #----------------|-------------------------------------------------------------|
01103>  001:0182----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01104>       CALIB NASHYD       04:EXT-4       2.60     .302 No_date    1:27   32.18 .427
01105>         [CN= 79.0: N= 3.00]
01106>         [Tp=  .12:DT= 1.00]
01107>  001:0183----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01108>       CALIB NASHYD       05:EXT-5       5.20     .653 No_date    1:24   32.18 .427
01109>         [CN= 79.0: N= 3.00]
01110>         [Tp=  .10:DT= 1.00]
01111>  001:0184----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01112>       CALIB NASHYD       08:INT-5        .10     .010 No_date    1:30   32.18 .427
01113>         [CN= 79.0: N= 3.00]
01114>         [Tp=  .17:DT= 5.00]
01115>  001:0185----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01116>       CALIB NASHYD       06:UNC-4s      3.00     .314 No_date    1:30   35.94 .477
01117>         [CN= 79.0: N= 3.00]
01118>         [Tp=  .21:DT= 5.00]
01119>  001:0186----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01120>       CALIB NASHYD       07:Ext-6       6.00     .542 No_date    1:36   32.18 .427
01121>         [CN= 79.0: N= 3.00]
01122>         [Tp=  .22:DT= 1.00]
01123>  001:0187----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01124>       CALIB NASHYD       09:Ext-7       6.00     .698 No_date    1:27   32.18 .427
01125>         [CN= 79.0: N= 3.00]
01126>         [Tp=  .12:DT= 1.00]
01127>  001:0188----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01128>       CALIB NASHYD       10:Ext-8      12.80    1.060 No_date    1:40   32.18 .427
01129>         [CN= 79.0: N= 3.00]
01130>         [Tp=  .26:DT= 1.00]
01131> #----------------|-------------------------------------------------------------|
01132> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01133> #----------------|-------------------------------------------------------------|
01134>  001:0189----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01135>       ADD HYD            04:EXT-4       2.60     .302 No_date    1:27   32.18  n/a
01136>                        +  05:EXT-5       5.20     .653 No_date    1:24   32.18  n/a
01137>                        +  06:UNC-4s      3.00     .314 No_date    1:30   35.94  n/a
01138>                        +  08:INT-5        .10     .010 No_date    1:30   32.18  n/a
01139>         [DT= 1.00]  SUM=  03:NE_DIT     10.90    1.237 No_date    1:26   33.22  n/a
01140> #----------------|-------------------------------------------------------------|
01141>  001:0190----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01142>       ADD HYD            07:Ext-6       6.00     .542 No_date    1:36   32.18  n/a
01143>                        +  03:NE_DIT     10.90    1.237 No_date    1:26   33.22  n/a
01144>                        +  09:Ext-7       6.00     .698 No_date    1:27   32.18  n/a
01145>                        +  10:Ext-8      12.80    1.060 No_date    1:40   32.18  n/a
01146>         [DT= 1.00]  SUM=  04:NE_DIT     35.70    3.280 No_date    1:32   32.50  n/a
01147>  001:0191----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01148>       CALIB NASHYD       06:Ext-9       7.00     .263 No_date    1:45   18.34 .243
01149>         [CN= 60.0: N= 3.00]
01150>         [Tp=  .35:DT= 5.00]
01151> #----------------|-------------------------------------------------------------|
01152> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
01153> #----------------|-------------------------------------------------------------|
01154> #----------------|-------------------------------------------------------------|
01155>  001:0192----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01156>       ADD HYD            04:NE_DIT      35.70    3.280 No_date    1:32   32.50  n/a
01157>                        +  06:Ext-9       7.00     .263 No_date    1:45   18.34  n/a
01158>         [DT= 1.00]  SUM=  05:21A        42.70    3.477 No_date    1:33   30.18  n/a
01159>  001:0193----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01160>       CALIB NASHYD       04:Ext-10      27.90     .671 No_date    1:55   13.21 .175
01161>         [CN= 49.4: N= 3.00]
01162>         [Tp=  .42:DT= 5.00]
01163>  001:0194----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01164>       CALIB NASHYD       03:Ext-11      3.90     .431 No_date    1:23   26.84 .356
01165>         [CN= 73.0: N= 3.00]
01166>         [Tp=  .08:DT= 1.00]
01167>  001:0195----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01168>       CALIB NASHYD       06:Ext-12      5.20     .605 No_date    1:27   32.18 .427
01169>         [CN= 79.0: N= 3.00]
01170>         [Tp=  .12:DT= 1.00]
01171> #----------------|-------------------------------------------------------------|
01172> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
01173> #----------------|-------------------------------------------------------------|
01174> #----------------|-------------------------------------------------------------|
01175>  001:0196----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01176>       ADD HYD            01:800mm       4.50     .497 No_date    1:30   32.85  n/a
01177>                        +  02:900mm      23.40     .698 No_date    2:26   39.15  n/a
01178>                        +  04:Ext-10     27.90     .671 No_date    1:55   13.21  n/a
01179>                        +  03:Ext-11      3.90     .431 No_date    1:23   26.84  n/a
01180>                        +  06:Ext-12      5.20     .605 No_date    1:27   32.18  n/a
01181>         [DT= 1.00]  SUM=  05:WET-ST     64.90    2.315 No_date    1:32   26.26  n/a
01182>  001:0197----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01183>       ROUTE RESERVOIR -> 05:WET-ST     64.90    2.315 No_date    1:32   26.26  n/a
01184>         [RDT= 1.00] out<- 04:22        64.90     .444 No_date    4:26   26.26  n/a
01185>                 overflow <= 06:OVF       .00     .000 No_date    0:00     .00  n/a
01186>       [MxStoUsed=.1019E+01, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
01187>  001:0198----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01188>       CALIB NASHYD       03:Ext-10      4.90     .112 No_date    1:30    8.27 .110
01189>         [CN= 36.0: N= 3.00]
01190>         [Tp=  .17:DT= 5.00]
01191> #----------------|-------------------------------------------------------------|
01192> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ----------|
01193> #----------------|-------------------------------------------------------------|
01194> #----------------|-------------------------------------------------------------|
01195>  001:0199----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01196>       ADD HYD            03:Ext-10      4.90     .112 No_date    1:30    8.27  n/a
01197>                        +  04:22        64.90     .444 No_date    4:26   26.26  n/a
01198>         [DT= 1.00]  SUM=  05:22        69.80     .451 No_date    4:00   25.00  n/a
01199> #----------------|-------------------------------------------------------------|
01200> #----------------|----------100YR-----------------------------------------------|
01201> #----------------|-------------------------------------------------------------|
01202>  001:0200----------------------------------------------------------------------
01203>       CHICAGO STORM
01204>         [SDT=10.00:SDUR=   4.00:PTOT=  84.33]
01205>         [A/B/C=2435.365/  15.071/    .857: R=.9959]
01206> #----------------|-------------------------------------------------------------|
01207> #----------------|----------POST-DEVELOPMENT--------------------------------------|
01208> #----------------|-------------------------------------------------------------|
01209>  001:0200----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01210>       CALIB NASHYD       02:EXT-1       3.50     .478 No_date    1:28   38.95 .462
01211>         [CN= 79.0: N= 3.00]
01212>         [Tp=  .13:DT= 1.00]
01213>  001:0202----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01214>       CALIB NASHYD       03:INT-3        .20     .025 No_date    1:30   38.94 .462
01215>         [CN= 79.0: N= 3.00]
01216>         [Tp=  .17:DT= 5.00]
01217>  001:0203----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01218>       CALIB NASHYD       04:UNC-1        .80     .100 No_date    1:30   42.85 .508
01219>         [CN= 79.0: N= 3.00]
01220>         [Tp=  .21:DT= 5.00]
01221> #----------------|-------------------------------------------------------------|
01222> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
01223> #----------------|-------------------------------------------------------------|
01224>  001:0204----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01225>       ADD HYD            02:EXT-1       3.50     .478 No_date    1:28   38.95  n/a
01226>                        +  03:INT-3       .20     .025 No_date    1:30   38.94  n/a
01227>                        +  04:UNC-1       .80     .100 No_date    1:30   42.85  n/a
01228>         [DT= 1.00]  SUM=  01:800mm      4.50     .598 No_date    1:30   39.64  n/a
01229> #----------------|-------------------------------------------------------------|
01230>  001:0205----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01231>       CALIB NASHYD       05:EXT-2       4.10     .577 No_date    1:26   38.95 .462
01232>         [CN= 79.0: N= 3.00]
01233>         [Tp=  .12:DT= 1.00]
01234> #----------------|-------------------------------------------------------------|
01235>  001:0206----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01236>       CALIB NASHYD       08:EXT-3       2.20     .300 No_date    1:28   38.95 .462
01237>         [CN= 79.0: N= 3.00]
01238>         [Tp=  .13:DT= 1.00]
01239>  001:0207----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01240>       CALIB STANDHYD     06:INT-2       3.00     .274 No_date    1:40   43.02 .510
01241>         [XIMP=.13:TIMP=.29]
01242>         [LOSS= 2 :CN= 69.0]
01243>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01244>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
01245>  001:0208----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01246>       CALIB NASHYD       07:INT-4        .60     .074 No_date    1:30   38.95 .462
01247>         [CN= 79.0: N= 3.00]
01248>         [Tp=  .17:DT= 5.00]
01249>  001:0209----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01250>       CALIB STANDHYD     09:INT-1       9.90    1.068 No_date    1:45   55.06 .653
01251>         [XIMP=.19:TIMP=.37]
01252>         [LOSS= 2 :CN= 79.0]
01253>         [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01254>         [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
01255> #----------------|-------------------------------------------------------------|
01256> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
01257> #----------------|-------------------------------------------------------------|
01258>  001:0210----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01259>       ADD HYD            05:EXT-2       4.10     .577 No_date    1:26   38.95  n/a
01260>                        +  08:EXT-3       2.20     .300 No_date    1:28   38.95  n/a
01261>                        +  06:INT-2       3.00     .274 No_date    1:40   43.02  n/a
01262>                        +  07:INT-4        .60     .074 No_date    1:30   38.95  n/a
01263>                        +  09:INT-1       9.90    1.068 No_date    1:45   55.06  n/a
01264>         [DT= 1.00]  SUM=  03:POOL1      19.80    1.998 No_date    1:35   47.62  n/a
01265> #----------------|-------------------------------------------------------------|
01266>  001:0211----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01267>       ROUTE RESERVOIR -> 03:POOL1      19.80    1.998 No_date    1:35   47.62  n/a
01268>         [RDT= 1.00] out<- 06:POOL      19.80     .755 No_date    2:34   47.62  n/a
01269>                 overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
01270>       [MxStoUsed=.4555E+00, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=    0.hrs
01271>  001:0212----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01272>       CALIB NASHYD       10:UNC-2       1.50     .231 No_date    1:30   47.00 .557
01273>         [CN= 82.0: N= 3.00]
01274>         [Tp=  .17:DT= 5.00]
01275>  001:0213----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01276>       CALIB NASHYD       04:UNC-3s      2.10     .212 No_date    1:30   32.83 .389
01277>         [CN= 73.0: N= 3.00]
01278>         [Tp=  .17:DT= 5.00]
01279> #----------------|-------------------------------------------------------------|
01280> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
01281> #----------------|-------------------------------------------------------------|
01282>  001:0214----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01283>       ADD HYD            04:UNC-3s      2.10     .212 No_date    1:30   32.83  n/a
01284>                        +  06:POOL       19.80     .755 No_date    2:34   47.62  n/a
01285>                        +  07:OVF1         .00     .000 No_date    0:00     .00  n/a
01286>                        +  10:UNC-2       1.50     .231 No_date    1:30   47.00  n/a
01287>         [DT= 1.00]  SUM=  02:900mm      23.40     .839 No_date    2:23   46.25  n/a
01288> #----------------|-------------------------------------------------------------|
01289>  001:0215----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01290>       CALIB NASHYD       04:EXT-4       2.60     .366 No_date    1:26   38.95 .462
01291>         [CN= 79.0: N= 3.00]
01292>         [Tp=  .12:DT= 1.00]
01293>  001:0216----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01294>       CALIB NASHYD       05:EXT-5       5.20     .791 No_date    1:24   38.95 .462
01295>         [CN= 79.0: N= 3.00]
01296>         [Tp=  .10:DT= 1.00]
01297>  001:0217----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01298>       CALIB NASHYD       08:INT-5        .10     .012 No_date    1:30   38.94 .462
01299>         [CN= 79.0: N= 3.00]
01300>         [Tp=  .17:DT= 5.00]
01301>  001:0218----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01302>       CALIB NASHYD       06:UNC-4s      3.00     .374 No_date    1:30   42.85 .508
01303>         [CN= 79.0: N= 3.00]
01304>         [Tp=  .21:DT= 5.00]
01305>  001:0219----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01306>       CALIB NASHYD       07:Ext-6       6.00     .657 No_date    1:36   38.95 .462
01307>         [CN= 79.0: N= 3.00]
01308>         [Tp=  .22:DT= 1.00]
01309>  001:0220----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01310>       CALIB NASHYD       09:Ext-7       6.00     .845 No_date    1:26   38.95 .462
01311>         [CN= 79.0: N= 3.00]
01312>         [Tp=  .12:DT= 1.00]
01313>  001:0221----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01314>       CALIB NASHYD       10:Ext-8      12.80    1.286 No_date    1:40   38.95 .462
01315>         [CN= 79.0: N= 3.00]
01316>         [Tp=  .26:DT= 1.00]
01317> #----------------|-------------------------------------------------------------|
01318> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01319> #----------------|-------------------------------------------------------------|
01320>  001:0222----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01321>       ADD HYD            04:EXT-4       2.60     .366 No_date    1:26   38.95  n/a
01322>                        +  05:EXT-5       5.20     .791 No_date    1:24   38.95  n/a
01323>                        +  06:UNC-4s      3.00     .374 No_date    1:30   42.85  n/a
01324>                        +  08:INT-5        .10     .012 No_date    1:30   38.94  n/a
01325>         [DT= 1.00]  SUM=  03:NE_DIT     10.90    1.491 No_date    1:26   40.02  n/a
01326> #----------------|-------------------------------------------------------------|
01327>  001:0223----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01328>       ADD HYD            07:Ext-6       6.00     .657 No_date    1:36   38.95  n/a
01329>                        +  03:NE_DIT     10.90    1.491 No_date    1:26   40.02  n/a
01330>                        +  09:Ext-7       6.00     .845 No_date    1:26   38.95  n/a
01331>                        +  10:Ext-8      12.80    1.286 No_date    1:40   38.95  n/a
01332>         [DT= 1.00]  SUM=  04:NE_DIT     35.70    3.967 No_date    1:32   39.27  n/a
01333>  001:0224----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01334>       CALIB NASHYD       06:Ext-9       7.00     .328 No_date    1:45   22.80 .270
01335>         [CN= 60.0: N= 3.00]
01336>         [Tp=  .35:DT= 5.00]
01337> #----------------|-------------------------------------------------------------|
01338> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
01339> #----------------|-------------------------------------------------------------|
01340> #----------------|-------------------------------------------------------------|
01341>  001:0225----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01342>       ADD HYD            04:NE_DIT      35.70    3.967 No_date    1:32   39.27  n/a
01343>                        +  06:Ext-9       7.00     .328 No_date    1:45   22.80  n/a
01344>         [DT= 1.00]  SUM=  05:21A        42.70    4.212 No_date    1:32   36.57  n/a
01345>  001:0226----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01346>       CALIB NASHYD       04:Ext-10      27.90     .843 No_date    1:55   16.59 .197
01347>         [CN= 49.4: N= 3.00]
01348>         [Tp=  .42:DT= 5.00]
01349>  001:0227----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01350>       CALIB NASHYD       03:Ext-11      3.90     .525 No_date    1:23   32.83 .389
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01351>       [CN= 73.0: N= 3.00]
01352>       [Tp=  .08:DT= 1.00]
01353>  001:0228----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01354>      CALIB NASHYD       06:Ext-12     5.20     .732 No_date    1:26   30.95 .462
01355>       [CN= 79.0: N= 3.00]
01356>       [Tp=  .12:DT= 1.00]
01357> #----------------|-------------------------------------------------------------|
01358> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
01359> #----------------|-------------------------------------------------------------|
01360> #----------------|-------------------------------------------------------------|
01361>  001:0229----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01362>      ADD HYD            01:800mm      4.50     .598 No_date    1:30   39.64  n/a
01363>                       + 02:900mm     23.40     .839 No_date    2:23   46.25  n/a
01364>                       + 04:Ext-10    27.90     .843 No_date    1:55   16.59  n/a
01365>                       + 03:Ext-11     3.90     .525 No_date    1:23   32.83  n/a
01366>                       + 06:Ext-12     5.20     .732 No_date    1:26   30.95  n/a
01367>       [DT= 1.00]  SUM= 05:WET-ST    64.90    2.831 No_date    1:32   31.65  n/a
01368>  001:0230----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01369>      ROUTE RESERVOIR -> 05:WET-ST    64.90    2.831 No_date    1:32   31.65  n/a
01370>       [RDT= 1.00] out<- 04:22        64.90     .482 No_date    4:32   31.65  n/a
01371>      [MxStoUsed=.1286E+01]
01372>  001:0231----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01373>      CALIB NASHYD       03:Ext-10     4.90     .142 No_date    1:30   10.50 .125
01374>       [CN= 36.0: N= 3.00]
01375>       [Tp=  .17:DT= 5.00]
01376> #----------------|-------------------------------------------------------------|
01377> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
01378> #----------------|-------------------------------------------------------------|
01379> #----------------|-------------------------------------------------------------|
01380>  001:0232----------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01381>      ADD HYD            03:Ext-10     4.90     .142 No_date    1:30   10.50  n/a
01382>                       + 04:22        64.90     .482 No_date    4:32   31.65  n/a
01383>       [DT= 1.00]  SUM= 05:22        69.80     .494 No_date    4:00   30.17  n/a
01384>  001:0233----------------------------------------------------------------------
01385>      FINISH
01386> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
01387> ********************************************************************************
01388>      WARNINGS / ERRORS / NOTES
01389>      -------------------------
01390>    Simulation ended on 2008-03-26     at 16:29:41
01391> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
01392>
```

```
00001> 2     Metric units
00002> *#*************************************************************************
00003> *#  Project Name: [ALTA PHASE-1I]    Project Number: [119-2528]
00004> *#  SCENARIO 2: REVISED TIME TO PEAK - EX-4 EX-5 to POND Revised Route Reservoir
00005> *#  Date        : 05-24-2007
00006> *#  Modeller    : [        ]
00007> *#  Company     : C.F. Crozier & Associates Inc.
00008> *#  License #   :  3737016
00009> *#*************************************************************************
00010> START              TZERO=[0.0],  METOUT=[2],  NSTORM=[0],  NRUN=[0]
00011> *%                   [  ] <--storm filename, one per line for NSTORM time
00012> *#-----------------|----------25mm----------------------------------------|
00013> *#-----------------|---------------------------------------------------------|
00014> *#-----------------|---------------------------------------------------------|
00015> READ STORM          STORM_FILENAME=["25mm.stm"]
00016> *%-----------------|---------------------------------------------------------|
00017> *#-----------------|---------------------------------------------------------|
00018> *#-----------------|----------POST-DEVELOPMENT-----------------------------|
00019> *#-----------------|---------------------------------------------------------|
00020> CALIB NASHYD        ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00021>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00022>                     N=[3], TP=[0.13]hrs,
00023>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00024>
00025> *%-----------------|---------------------------------------------------------|
00026> CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00027>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00028>                     N=[3], TP=[0.17]hrs,
00029>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00030> *%-----------------|---------------------------------------------------------|
00031> CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
00032>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00033>                     N=[3], TP=[0.21]hrs,
00034>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00035> *%-----------------|---------------------------------------------------------|
00036> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT   |
00037> *#-----------------|---------------------------------------------------------|
00038> *#-----------------|---------------------------------------------------------|
00039> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00040> *%-----------------|---------------------------------------------------------|
00041> *#-----------------|---------------------------------------------------------|
00042> CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00043>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00044>                     N=[3], TP=[0.12]hrs,
00045>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00046> *#-----------------|---------------------------------------------------------|
00047> CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00048>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00049>                     N=[3], TP=[0.13]hrs,
00050>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00051> *%-----------------|---------------------------------------------------------|
00052> CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00053>                     XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00054>                     SCS curve number CN=[69],
00055>                     Pervious   surfaces: IApor=[5](mm), SLPP=[2](%),
00056>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00057>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00058>                                          LGI=[290](m), MNI=[0.13], SCI=[0](min),
00059>                     RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
00060> *%-----------------|---------------------------------------------------------|
00061> CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00062>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00063>                     N=[3], TP=[0.17]hrs,
00064>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00065> *%-----------------|---------------------------------------------------------|
00066> CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00067>                     XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00068>                     SCS curve number CN=[79],
00069>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00070>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00071>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00072>                                          LGI=[500](m), MNI=[0.13], SCI=[0](min),
00073>                     RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
00074> *#-----------------|---------------------------------------------------------|
00075> CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00076>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00077>                     N=[3], TP=[0.12]hrs,
00078>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00079> *%-----------------|---------------------------------------------------------|
00080> CALIB NASHYD        ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00081>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00082>                     N=[3], TP=[0.10]hrs,
00083>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00084> *%-----------------|---------------------------------------------------------|
00085> *#-----------------|---------------------------------------------------------|
00086> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR       |
00087> *#-----------------|---------------------------------------------------------|
00088> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
00089> *%-----------------|---------------------------------------------------------|
00090> *#-----------------|---------------------------------------------------------|
00091> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00092>                     RDT=[1](min),
00093>                           TABLE of ( OUTFLOW-STORAGE ) values
00094>                                    (cms) - (ha-m)
00095>                                 [  0.0  ,  0.0 ]
00096>                                 [ 0.1,  0.1 ]
00097>                                 [ 0.4 ,  0.2]
00098>                                 [ 1.09 ,  0.36]
00099>                                 [   -1 ,  -1  ]  (max twenty pts)
00100>                           IDovf=[7], NHYDovf=["OVF1"]
00101> *%-----------------|---------------------------------------------------------|
00102> CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00103>                     DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00104>                     N=[3], TP=[0.17]hrs,
00105>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00106> *%-----------------|---------------------------------------------------------|
00107> CALIB NASHYD        ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
00108>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00109>                     N=[3], TP=[0.17]hrs,
00110>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00111> *%-----------------|---------------------------------------------------------|
00112> *#-----------------|---------------------------------------------------------|
00113> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT   |
00114> *#-----------------|---------------------------------------------------------|
00115> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00116> *%-----------------|---------------------------------------------------------|
00117>
00118> *%-----------------|---------------------------------------------------------|
00119> CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
00120>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00121>                     N=[3], TP=[0.17]hrs,
00122>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00123> *%-----------------|---------------------------------------------------------|
00124> CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
00125>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00126>                     N=[3], TP=[0.21]hrs,
00127>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00128> *%-----------------|---------------------------------------------------------|
00129> CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
00130>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00131>                     N=[3], TP=[0.22]hrs,
00132>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00133> *%-----------------|---------------------------------------------------------|
00134> CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
00135>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00136>                     N=[3], TP=[0.12]hrs,
00137>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00138> *%-----------------|---------------------------------------------------------|
00139> CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
00140>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00141>                     N=[3], TP=[0.26]hrs,
00142>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00143> *%-----------------|---------------------------------------------------------|
00144>
00145> *#-----------------|---------------------------------------------------------|
00146> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH         |
00147> *#-----------------|---------------------------------------------------------|
00148> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
00149> *#-----------------|---------------------------------------------------------|
00150> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00151> *%-----------------|---------------------------------------------------------|
00152> CALIB NASHYD        ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00153>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00154>                     N=[3], TP=[0.35]hrs,
00155>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00156> *%-----------------|---------------------------------------------------------|
00157> *#-----------------|---------------------------------------------------------|
00158> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow------|
00159> *#-----------------|---------------------------------------------------------|
00160> *#-----------------|---------------------------------------------------------|
00161> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00162> *%-----------------|---------------------------------------------------------|
00163>
00164> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00165>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00166>                     N=[3], TP=[.42]hrs,
00167>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00168> *%-----------------|---------------------------------------------------------|
00169> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00170>                     DWF=[0](cms),  CN/C=[72], IA=[10](mm),
00171>                     N=[3], TP=[0.08]hrs,
00172>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00173> *%-----------------|---------------------------------------------------------|
00174> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00175>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00176>                     N=[3], TP=[0.12]hrs,
00177>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00178> *%-----------------|---------------------------------------------------------|
00179>
00180> *%-----------------|---------------------------------------------------------|
00181> *#-----------------|---------------------------------------------------------|
00182> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
00183> *#-----------------|---------------------------------------------------------|
00184> *#-----------------|---------------------------------------------------------|
00185> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00186> *%-----------------|---------------------------------------------------------|
00187> ROUTE RESERVOIR     IDout=[4],    NHYD=["22"],   IDin=[5],
00188>                     RDT=[1](min),
00189>                           TABLE of ( OUTFLOW-STORAGE ) values
00190>                                    (cms) - (ha-m)
00191>                                 [  0.0 ,  0.0 ]
00192>                                 [  0.0102 ,  0.002 ]
00193>                                 [  0.04230 ,  0.004 ]
00194>                                 [  0.0939 ,  0.006 ]
00195>                                 [  0.1286 ,  0.008 ]
00196>                                 [  0.16330 ,  0.045 ]
00197>                                 [  0.2489 ,  0.262 ]
00198>                                 [  0.3488 ,  0.622 ]
00199>                                 [  0.4601 ,  1.088 ]
00200>                                 [  0.61955 ,  1.623 ]
00201>                                 [  0.579 ,  1.925 ]
00202>                                 [  0.7014 ,  2.253 ]
00203>                                 [  0.8216 ,  2.951 ]
00204>                                 [  0.9345 ,  3.689 ]
00205>                                 [   -1  ,  -1  ]  (max twenty pts)
00206>                           IDovf=[6], NHYDovf=["OVF"]
00207> *%-----------------|---------------------------------------------------------|
00208> CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00209>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00210>                     N=[3], TP=[0.17]hrs,
00211>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00212> *%-----------------|---------------------------------------------------------|
00213> *%-----------------|---------------------------------------------------------|
00214> *#-----------------|---------------------------------------------------------|
00215> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00216> *#-----------------|---------------------------------------------------------|
00217> *#-----------------|---------------------------------------------------------|
00218> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00219> *%-----------------|---------------------------------------------------------|
00220>
00221>
00222> *%-----------------|---------------------------------------------------------|
00223> *#-----------------|---------------------------------------------------------|
00224> *#-----------------|----------2 YEAR-------------------------------------------|
00225> *#-----------------|---------------------------------------------------------|
00226> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00227>                     ICASEcs=[2],
00228>                     Enter ordinates of IDF curve below, at least seven points
00229>                         TIME (min)     Intensity(mm/hr)
00230>                           [5    ]        [95]
00231>                           [10   ]        [70 ]
00232>                           [15   ]        [58 ]
00233>                           [30   ]        [38 ]
00234>                           [60   ]        [25 ]
00235>                           [180  ]        [17 ]
00236>                           [360  ]        [6.3]
00237>                           [720  ]        [3.5]
00238>                           [1440]         [1.9]
00239>                             -1             -1
00240> *%-----------------|---------------------------------------------------------|
00241> *#-----------------|---------------------------------------------------------|
00242> *#-----------------|----------POST-DEVELOPMENT---------------------------------|
00243> *#-----------------|---------------------------------------------------------|
00244> CALIB NASHYD        ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00245>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00246>                     N=[3], TP=[0.13]hrs,
00247>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00248>
00249> *%-----------------|---------------------------------------------------------|
00250> CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00251>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00252>                     N=[3], TP=[0.17]hrs,
00253>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00254> *%-----------------|---------------------------------------------------------|
00255> CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
00256>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00257>                     N=[3], TP=[0.21]hrs,
00258>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00259> *%-----------------|---------------------------------------------------------|
00260> *#-----------------|---------------------------------------------------------|
00261> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT    |
00262> *#-----------------|---------------------------------------------------------|
00263> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00264> *%-----------------|---------------------------------------------------------|
00265> *#-----------------|---------------------------------------------------------|
00266> CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00267>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00268>                     N=[3], TP=[0.12]hrs,
00269>                     RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00270> *#-----------------|---------------------------------------------------------|
```

```
00271> CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00272>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00273>                     N=[3], TP=[0.13]hrs,
00274>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00275> *%-----------------|-------------------------------------------------------------|
00276> CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00277>                     XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00278>                     SCS curve number CN=[69],
00279>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00280>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00281>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00282>                                          LGI=[290](m), MNI=[0.13], SCI=[0](min),
00283>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
00284> *%-----------------|-------------------------------------------------------------|
00285> CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00286>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00287>                     N=[3], TP=[0.17]hrs,
00288>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00289> *%-----------------|-------------------------------------------------------------|
00290> CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00291>                     XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00292>                     SCS curve number CN=[79],
00293>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00294>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00295>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00296>                                          LGI=[500](m), MNI=[0.13], SCI=[0](min),
00297>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
00298> *#----------------|-------------------------------------------------------------|
00299> CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00300>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00301>                     N=[3], TP=[0.12]hrs,
00302>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00303> *%-----------------|-------------------------------------------------------------|
00304> CALIB NASHYD        ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00305>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00306>                     N=[3], TP=[0.10]hrs,
00307>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00308> *%-----------------|-------------------------------------------------------------|
00309> *#----------------|-------------------------------------------------------------|
00310> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
00311> *#----------------|-------------------------------------------------------------|
00312> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
00313> *%-----------------|-------------------------------------------------------------|
00314> *#----------------|-------------------------------------------------------------|
00315> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00316>                     RDT=[1](min),
00317>                           TABLE of ( OUTFLOW-STORAGE ) values
00318>                                          (cms) - (ha-m)
00319>                                    [  0.0 ,  0.0 ]
00320>                                    [ 0.1,  0.1 ]
00321>                                    [ 0.4 ,  0.2]
00322>                                    [ 1.09 ,  0.36]
00323>                                    [   -1  ,  -1  ]  (max twenty pts)
00324>                           IDovf=[7], NHYDovf=["OVF1"]
00325> *%-----------------|-------------------------------------------------------------|
00326> CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00327>                     DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00328>                     N=[3], TP=[0.17]hrs,
00329>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00330> *%-----------------|-------------------------------------------------------------|
00331> CALIB NASHYD        ID=[4], NHYD=["UNC-3a1"], DT=[5]min, AREA=[2.1](ha),
00332>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00333>                     N=[3], TP=[0.17]hrs,
00334>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00335> *%-----------------|-------------------------------------------------------------|
00336> *#----------------|-------------------------------------------------------------|
00337> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT        |
00338> *#----------------|-------------------------------------------------------------|
00339> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
00340> *%-----------------|-------------------------------------------------------------|
00341>
00342> *%-----------------|-------------------------------------------------------------|
00343> CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
00344>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00345>                     N=[3], TP=[0.17]hrs,
00346>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00347> *%-----------------|-------------------------------------------------------------|
00348> CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
00349>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00350>                     N=[3], TP=[0.21]hrs,
00351>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00352> *%-----------------|-------------------------------------------------------------|
00353> CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
00354>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00355>                     N=[3], TP=[0.22]hrs,
00356>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00357> *%-----------------|-------------------------------------------------------------|
00358> CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
00359>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00360>                     N=[3], TP=[0.12]hrs,
00361>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00362> *%-----------------|-------------------------------------------------------------|
00363> CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
00364>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00365>                     N=[3], TP=[0.26]hrs,
00366>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00367> *%-----------------|-------------------------------------------------------------|
00368>
00369> *#----------------|-------------------------------------------------------------|
00370> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
00371> *#----------------|-------------------------------------------------------------|
00372> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
00373> *#----------------|-------------------------------------------------------------|
00374> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00375> *%-----------------|-------------------------------------------------------------|
00376> CALIB NASHYD        ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00377>                     DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00378>                     N=[3], TP=[0.35]hrs,
00379>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00380> *%-----------------|-------------------------------------------------------------|
00381> *#----------------|-------------------------------------------------------------|
00382> *#----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
00383> *#----------------|-------------------------------------------------------------|
00384> *#----------------|-------------------------------------------------------------|
00385> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00386> *%-----------------|-------------------------------------------------------------|
00387>
00388> CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00389>                     DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00390>                     N=[3], TP=[.42]hrs,
00391>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00392> *%-----------------|-------------------------------------------------------------|
00393> CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00394>                     DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00395>                     N=[3], TP=[0.08]hrs,
00396>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00397> *%-----------------|-------------------------------------------------------------|
00398> CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00399>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00400>                     N=[3], TP=[0.12]hrs,
00401>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00402> *%-----------------|-------------------------------------------------------------|
00403>
00404> *%-----------------|-------------------------------------------------------------|
00405> *#----------------|-------------------------------------------------------------|
00406> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA----------|
00407> *#----------------|-------------------------------------------------------------|
00408> *#----------------|-------------------------------------------------------------|
00409> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00410> *%-----------------|-------------------------------------------------------------|
00411> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
00412>                     RDT=[1](min),
00413>                           TABLE of ( OUTFLOW-STORAGE ) values
00414>                                          (cms) - (ha-m)
00415>                                    [  0.0 ,  0.0 ]
00416>                                    [  0.0102 ,  0.002 ]
00417>                                    [  0.04230 ,  0.004 ]
00418>                                    [  0.0939 ,  0.006 ]
00419>                                    [  0.1286 ,  0.008 ]
00420>                                    [  0.16330 ,  0.045 ]
00421>                                    [  0.2489 ,  0.262 ]
00422>                                    [  0.3488 ,  0.622 ]
00423>                                    [  0.4601 ,  1.088 ]
00424>                                    [  0.51955 ,  1.623 ]
00425>                                    [  0.579 ,  1.925 ]
00426>                                    [  0.7014 ,  2.253 ]
00427>                                    [  0.8216 ,  2.951 ]
00428>                                    [  0.9345 ,  3.689 ]
00429>                                    [   -1  ,  -1  ]  (max twenty pts)
00430>                           IDovf=[6], NHYDovf=["OVF"]
00431> *%-----------------|-------------------------------------------------------------|
00432> CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00433>                     DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00434>                     N=[3], TP=[0.17]hrs,
00435>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00436> *%-----------------|-------------------------------------------------------------|
00437> *%-----------------|-------------------------------------------------------------|
00438> *#----------------|-------------------------------------------------------------|
00439> *#----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00440> *#----------------|-------------------------------------------------------------|
00441> *#----------------|-------------------------------------------------------------|
00442> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00443> *%-----------------|-------------------------------------------------------------|
00444>
00445> *%-----------------|-------------------------------------------------------------|
00446> *#----------------|-------------------------------------------------------------|
00447> *#----------------|----------5YR---------------------------------------------|
00448> *#----------------|-------------------------------------------------------------|
00449> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00450>                     ICASEcs=[2],
00451>                     Enter ordinates of IDF curve below, at least seven points
00452>                         TIME (min)     Intensity(mm/hr)
00453>                           [5    ]        [139.4]
00454>                           [10   ]        [99.4]
00455>                           [15   ]        [82]
00456>                           [30   ]        [54.8]
00457>                           [60   ]        [33.1]
00458>                           [180  ]        [19.1]
00459>                           [360  ]        [7.9]
00460>                           [720  ]        [4.5]
00461>                           [1440]         [2.5]
00462>                             -1             -1
00463> *%-----------------|-------------------------------------------------------------|
00464> *#----------------|-------------------------------------------------------------|
00465> *#----------------|----------POST-DEVELOPMENT-------------------------------|
00466> *#----------------|-------------------------------------------------------------|
00467> CALIB NASHYD        ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00468>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00469>                     N=[3], TP=[0.13]hrs,
00470>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00471>
00472> *%-----------------|-------------------------------------------------------------|
00473> CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00474>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00475>                     N=[3], TP=[0.17]hrs,
00476>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00477> *%-----------------|-------------------------------------------------------------|
00478> CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
00479>                     DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00480>                     N=[3], TP=[0.21]hrs,
00481>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00482> *%-----------------|-------------------------------------------------------------|
00483> *#----------------|-------------------------------------------------------------|
00484> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT        |
00485> *#----------------|-------------------------------------------------------------|
00486> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00487> *%-----------------|-------------------------------------------------------------|
00488> *#----------------|-------------------------------------------------------------|
00489> CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00490>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00491>                     N=[3], TP=[0.12]hrs,
00492>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00493> *#----------------|-------------------------------------------------------------|
00494> CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00495>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00496>                     N=[3], TP=[0.13]hrs,
00497>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00498> *%-----------------|-------------------------------------------------------------|
00499> CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00500>                     XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00501>                     SCS curve number CN=[69],
00502>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00503>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00504>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00505>                                          LGI=[290](m), MNI=[0.13], SCI=[0](min),
00506>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
00507> *%-----------------|-------------------------------------------------------------|
00508> CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00509>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00510>                     N=[3], TP=[0.17]hrs,
00511>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00512> *%-----------------|-------------------------------------------------------------|
00513> CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00514>                     XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00515>                     SCS curve number CN=[79],
00516>                     Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00517>                                          LGP=[65](m), MNP=[0.15], SCP=[0](min),
00518>                     Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00519>                                          LGI=[500](m), MNI=[0.13], SCI=[0](min),
00520>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
00521> *#----------------|-------------------------------------------------------------|
00522> CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00523>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00524>                     N=[3], TP=[0.12]hrs,
00525>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00526> *%-----------------|-------------------------------------------------------------|
00527> CALIB NASHYD        ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00528>                     DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00529>                     N=[3], TP=[0.10]hrs,
00530>                     RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
00531> *%-----------------|-------------------------------------------------------------|
00532> *#----------------|-------------------------------------------------------------|
00533> *#----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
00534> *#----------------|-------------------------------------------------------------|
00535> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
00536> *%-----------------|-------------------------------------------------------------|
00537> *#----------------|-------------------------------------------------------------|
00538> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00539>                     RDT=[1](min),
00540>                           TABLE of ( OUTFLOW-STORAGE ) values
```

```
                                        (cms) - (ha-m)
                                    [   0.0 ,   0.0 ]
                                    [ 0.1,   0.1 ]
                                    [ 0.4 ,  0.2]
                                    [ 1.09 ,  0.36]
                                    [   -1  ,   -1  ]   (max twenty pts)
                            IDovf=[7], NHYDovf=["OVF1"]
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
                    DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*#------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
*%------------------|-------------------------------------------------------------|

*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.22]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.26]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|

*#------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
                    N=[3], TP=[0.35]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
*#------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
*%------------------|-------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
                    N=[3], TP=[.42]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.08]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|

*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
*#------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
*%------------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
                    RDT=[1](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                          (cms) - (ha-m)
                                    [   0.0 ,   0.0 ]
                                    [   0.0102 ,  0.002 ]
                                    [   0.04230 ,  0.004 ]
                                    [   0.0939 ,  0.006 ]
                                    [   0.1286 ,  0.008 ]
                                    [   0.16330 ,  0.045 ]
                                    [   0.2489 ,  0.262 ]
                                    [   0.3488 ,  0.622 ]
                                    [   0.4601 ,  1.088 ]
                                    [   0.51955 ,  1.623 ]
                                    [   0.579 ,  1.925 ]
                                    [   0.7014 ,  2.253 ]
                                    [   0.8216 ,  2.951 ]
                                    [   0.9345 ,  3.689 ]
                                    [   -1  ,   -1  ]   (max twenty pts)
                            IDovf=[6], NHYDovf=["OVF"]
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
*#------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["22"], IDs to add=[3,4]
*%------------------|-------------------------------------------------------------|

*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|----------10YR------------------------------------------------|
*#------------------|-------------------------------------------------------------|
CHICAGO STORM       IUHITS=[2],   TD=[4](hrs), TPRAT=[0.333],   CSDT=[10](min),
                    ICASEcs=[2],
                    Enter ordinates of IDF curve below, at least seven points
                        TIME (min)     Intensity(mm/hr)
                                    [5    ]         [150]
                                    [10   ]         [105 ]
                                    [15   ]         [89 ]
                                    [30   ]         [57 ]
                                    [60   ]         [38 ]
                                    [180  ]         [24 ]
                                    [360  ]         [11]
                                    [720  ]         [5.5]
                                    [1440]          [3]
                                      -1              -1
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|----------POST-DEVELOPMENT-------------------------------------|
*#------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1

*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*#------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
                    XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[69],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[290](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
                    XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[79],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[500](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*#------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.10]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
                    RDT=[1](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                          (cms) - (ha-m)
                                    [   0.0 ,   0.0 ]
                                    [ 0.1,   0.1 ]
                                    [ 0.4 ,  0.2]
                                    [ 1.09 ,  0.36]
                                    [   -1  ,   -1  ]   (max twenty pts)
                            IDovf=[7], NHYDovf=["OVF1"]
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
                    DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
*#------------------|-------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
*#------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
*%------------------|-------------------------------------------------------------|

*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.22]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
```

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00811>                          N=[3], TP=[0.26]hrs,
00812>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00813> *%-----------------|-------------------------------------------------------------|
00814>
00815> *#-----------------|-------------------------------------------------------------|
00816> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
00817> *#-----------------|-------------------------------------------------------------|
00818> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
00819> *#-----------------|-------------------------------------------------------------|
00820> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
00821> *%-----------------|-------------------------------------------------------------|
00822> CALIB NASHYD       ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
00823>                          DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
00824>                          N=[3], TP=[0.35]hrs,
00825>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00826> *%-----------------|-------------------------------------------------------------|
00827> *#-----------------|-------------------------------------------------------------|
00828> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
00829> *#-----------------|-------------------------------------------------------------|
00830> *#-----------------|-------------------------------------------------------------|
00831> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
00832> *%-----------------|-------------------------------------------------------------|
00833>
00834> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
00835>                          DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
00836>                          N=[3], TP=[.42]hrs,
00837>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00838> *%-----------------|-------------------------------------------------------------|
00839> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
00840>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
00841>                          N=[3], TP=[0.08]hrs,
00842>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00843> *%-----------------|-------------------------------------------------------------|
00844> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
00845>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00846>                          N=[3], TP=[0.12]hrs,
00847>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00848> *%-----------------|-------------------------------------------------------------|
00849>
00850> *%-----------------|-------------------------------------------------------------|
00851> *#-----------------|-------------------------------------------------------------|
00852> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
00853> *#-----------------|-------------------------------------------------------------|
00854> *#-----------------|-------------------------------------------------------------|
00855> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
00856> *%-----------------|-------------------------------------------------------------|
00857> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
00858>                          RDT=[1](min),
00859>                               TABLE of ( OUTFLOW-STORAGE ) values
00860>                                         (cms)  -  (ha-m)
00861>                                    [  0.0  ,  0.0 ]
00862>                                    [  0.0102 ,  0.002 ]
00863>                                    [  0.04230 ,  0.004 ]
00864>                                    [  0.0939 ,  0.006 ]
00865>                                    [  0.1286 ,  0.008 ]
00866>                                    [  0.16330 ,  0.045 ]
00867>                                    [  0.2489 ,  0.262 ]
00868>                                    [  0.3488 ,  0.622 ]
00869>                                    [  0.4601 ,  1.088 ]
00870>                                    [  0.51955 ,  1.623 ]
00871>                                    [  0.579 ,  1.925 ]
00872>                                    [  0.7014 ,  2.253 ]
00873>                                    [  0.8216 ,  2.951 ]
00874>                                    [  0.9345 ,  3.689 ]
00875>                                    [  -1  ,  -1  ]  (max twenty pts)
00876>                          IDovf=[6], NHYDovf=["OVF"]
00877> *%-----------------|-------------------------------------------------------------|
00878> CALIB NASHYD       ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
00879>                          DWF=[0](cms),  CN/C=[36], IA=[10](mm),
00880>                          N=[3], TP=[0.17]hrs,
00881>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00882> *%-----------------|-------------------------------------------------------------|
00883> *%-----------------|-------------------------------------------------------------|
00884> *#-----------------|-------------------------------------------------------------|
00885> *#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00886> *#-----------------|-------------------------------------------------------------|
00887> *#-----------------|-------------------------------------------------------------|
00888> ADD HYD            IDsum=[5], NHYD=["22"], IDs to add=[3,4]
00889> *%-----------------|-------------------------------------------------------------|
00890>
00891> *%-----------------|-------------------------------------------------------------|
00892> *#-----------------|-------------------------------------------------------------|
00893> *#-----------------|----------25YR-----------------------------------------------|
00894> *#-----------------|-------------------------------------------------------------|
00895> CHICAGO STORM      IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
00896>                          ICASE=cs=[2],
00897>                          Enter ordinates of IDF curve below, at least seven points
00898>                               TIME (min)     Intensity(mm/hr)
00899>                                 [5    ]        [180]
00900>                                 [10   ]        [120]
00901>                                 [15   ]        [105]
00902>                                 [30   ]        [67]
00903>                                 [60   ]        [46 ]
00904>                                 [180  ]        [28 ]
00905>                                 [360  ]        [13 ]
00906>                                 [720  ]        [6.5 ]
00907>                                 [1440]         [3.6 ]
00908>                                   -1              -1
00909> *%-----------------|-------------------------------------------------------------|
00910> *#-----------------|-------------------------------------------------------------|
00911> *#-----------------|----------POST-DEVELOPMENT-----------------------------------|
00912> *#-----------------|-------------------------------------------------------------|
00913> CALIB NASHYD       ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
00914>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00915>                          N=[3], TP=[0.13]hrs,
00916>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00917>
00918> *%-----------------|-------------------------------------------------------------|
00919> CALIB NASHYD       ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
00920>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00921>                          N=[3], TP=[0.17]hrs,
00922>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00923> *%-----------------|-------------------------------------------------------------|
00924> CALIB NASHYD       ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
00925>                          DWF=[0](cms),  CN/C=[79], IA=[5](mm),
00926>                          N=[3], TP=[0.21]hrs,
00927>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00928> *%-----------------|-------------------------------------------------------------|
00929> *#-----------------|-------------------------------------------------------------|
00930> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT        |
00931> *#-----------------|-------------------------------------------------------------|
00932> ADD HYD            IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
00933> *%-----------------|-------------------------------------------------------------|
00934> *#-----------------|-------------------------------------------------------------|
00935> CALIB NASHYD       ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
00936>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00937>                          N=[3], TP=[0.12]hrs,
00938>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00939> *#-----------------|-------------------------------------------------------------|
00940> CALIB NASHYD       ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
00941>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00942>                          N=[3], TP=[0.13]hrs,
00943>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00944> *%-----------------|-------------------------------------------------------------|
00945> CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
00946>                          XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
00947>                          SCS curve number CN=[69],
00948>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00949>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00950>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00951>                                               LGI=[290](m), MNI=[0.13], SCI=[0](min),
00952>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00953> *%-----------------|-------------------------------------------------------------|
00954> CALIB NASHYD       ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
00955>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00956>                          N=[3], TP=[0.17]hrs,
00957>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00958> *%-----------------|-------------------------------------------------------------|
00959> CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
00960>                          XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
00961>                          SCS curve number CN=[79],
00962>                          Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
00963>                                               LGP=[65](m), MNP=[0.15], SCP=[0](min),
00964>                          Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
00965>                                               LGI=[500](m), MNI=[0.13], SCI=[0](min),
00966>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00967> *#-----------------|-------------------------------------------------------------|
00968> CALIB NASHYD       ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
00969>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00970>                          N=[3], TP=[0.12]hrs,
00971>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00972> *%-----------------|-------------------------------------------------------------|
00973> CALIB NASHYD       ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
00974>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
00975>                          N=[3], TP=[0.10]hrs,
00976>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00977> *%-----------------|-------------------------------------------------------------|
00978> *#-----------------|-------------------------------------------------------------|
00979> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR            |
00980> *#-----------------|-------------------------------------------------------------|
00981> ADD HYD            IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
00982> *%-----------------|-------------------------------------------------------------|
00983> *#-----------------|-------------------------------------------------------------|
00984> ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
00985>                          RDT=[1](min),
00986>                               TABLE of ( OUTFLOW-STORAGE ) values
00987>                                         (cms)  -  (ha-m)
00988>                                    [  0.0  ,  0.0 ]
00989>                                    [ 0.1,  0.1 ]
00990>                                    [ 0.73 ,  0.68]
00991>                                    [  -1  ,  -1  ]  (max twenty pts)
00992>                          IDovf=[7], NHYDovf=["OVF1"]
00993> *%-----------------|-------------------------------------------------------------|
00994> CALIB NASHYD       ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
00995>                          DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
00996>                          N=[3], TP=[0.17]hrs,
00997>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
00998> *%-----------------|-------------------------------------------------------------|
00999> CALIB NASHYD       ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
01000>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01001>                          N=[3], TP=[0.17]hrs,
01002>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01003> *%-----------------|-------------------------------------------------------------|
01004> *#-----------------|-------------------------------------------------------------|
01005> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT        |
01006> *#-----------------|-------------------------------------------------------------|
01007> ADD HYD            IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
01008> *%-----------------|-------------------------------------------------------------|
01009>
01010> *%-----------------|-------------------------------------------------------------|
01011> CALIB NASHYD       ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
01012>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01013>                          N=[3], TP=[0.17]hrs,
01014>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01015> *%-----------------|-------------------------------------------------------------|
01016> CALIB NASHYD       ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
01017>                          DWF=[0](cms),  CN/C=[79], IA=[5](mm),
01018>                          N=[3], TP=[0.21]hrs,
01019>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01020> *%-----------------|-------------------------------------------------------------|
01021> CALIB NASHYD       ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
01022>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01023>                          N=[3], TP=[0.22]hrs,
01024>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01025> *%-----------------|-------------------------------------------------------------|
01026> CALIB NASHYD       ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
01027>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01028>                          N=[3], TP=[0.12]hrs,
01029>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01030> *%-----------------|-------------------------------------------------------------|
01031> CALIB NASHYD       ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
01032>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01033>                          N=[3], TP=[0.26]hrs,
01034>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01035> *%-----------------|-------------------------------------------------------------|
01036>
01037> *#-----------------|-------------------------------------------------------------|
01038> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH             |
01039> *#-----------------|-------------------------------------------------------------|
01040> ADD HYD            IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
01041> *#-----------------|-------------------------------------------------------------|
01042> ADD HYD            IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
01043> *%-----------------|-------------------------------------------------------------|
01044> CALIB NASHYD       ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
01045>                          DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
01046>                          N=[3], TP=[0.35]hrs,
01047>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01048> *%-----------------|-------------------------------------------------------------|
01049> *#-----------------|-------------------------------------------------------------|
01050> *#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------|
01051> *#-----------------|-------------------------------------------------------------|
01052> *#-----------------|-------------------------------------------------------------|
01053> ADD HYD            IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
01054> *%-----------------|-------------------------------------------------------------|
01055>
01056> CALIB NASHYD       ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
01057>                          DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
01058>                          N=[3], TP=[.42]hrs,
01059>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01060> *%-----------------|-------------------------------------------------------------|
01061> CALIB NASHYD       ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
01062>                          DWF=[0](cms),  CN/C=[73], IA=[10](mm),
01063>                          N=[3], TP=[0.08]hrs,
01064>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01065> *%-----------------|-------------------------------------------------------------|
01066> CALIB NASHYD       ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
01067>                          DWF=[0](cms),  CN/C=[79], IA=[10](mm),
01068>                          N=[3], TP=[0.12]hrs,
01069>                          RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1
01070> *%-----------------|-------------------------------------------------------------|
01071>
01072> *%-----------------|-------------------------------------------------------------|
01073> *#-----------------|-------------------------------------------------------------|
01074> *#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
01075> *#-----------------|-------------------------------------------------------------|
01076> *#-----------------|-------------------------------------------------------------|
01077> ADD HYD            IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
01078> *%-----------------|-------------------------------------------------------------|
01079> ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
01080>                          RDT=[1](min),
```

```
                                TABLE of ( OUTFLOW-STORAGE ) values
                                      (cms) - (ha-m)
                                    [   0.0  ,  0.0 ]
                                    [   0.0102  ,  0.002 ]
                                    [   0.04230 ,  0.004 ]
                                    [   0.0939  ,  0.006 ]
                                    [   0.1286  ,  0.008 ]
                                    [   0.16330 ,  0.045 ]
                                    [   0.2489  ,  0.262 ]
                                    [   0.3488  ,  0.622 ]
                                    [   0.4601  ,  1.088 ]
                                    [   0.51955 ,  1.623 ]
                                    [   0.579   ,  1.925 ]
                                    [   0.7014  ,  2.253 ]
                                    [   0.8216  ,  2.951 ]
                                    [   0.9345  ,  3.689 ]
                                    [   -1      ,  -1    ]  (max twenty pts)
                               IDovf=[6], NHYDovf="OVF"]
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD="Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
*#------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD="22"], IDs to add=[3,4]
*%------------------|-------------------------------------------------------------------|

*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|----------50YR-----------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
CHICAGO STORM       IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
                    ICASEcs=[2],
                    Enter ordinates of IDF curve below, at least seven points
                        TIME (min)     Intensity(mm/hr)
                          [5    ]        [200]
                          [10   ]        [130]
                          [15   ]        [115]
                          [30   ]        [74]
                          [60   ]        [51 ]
                          [180  ]        [31 ]
                          [360  ]        [14 ]
                          [720  ]        [7.2 ]
                          [1440 ]        [4.0 ]
                             -1             -1
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|----------POST-DEVELOPMENT-----------------------------------------|
*#------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[2], NHYD="EXT-1"), DT=[1]min, AREA=[3.5](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1

*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD="INT-3"), DT=[5]min, AREA=[0.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD="UNC-1"), DT=[5]min, AREA=[0.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT     |
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD="800mm"], IDs to add=[2,3,4]
*%------------------|-------------------------------------------------------------------|
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[5], NHYD="EXT-2"], DT=[1]min, AREA=[4.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*#------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD="EXT-3"], DT=[1]min, AREA=[2.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB STANDHYD      ID=[6], NHYD="INT-2"], DT=[5](min), AREA=[3](ha),
                    XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[69],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[290](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD="INT-4"], DT=[5]min, AREA=[0.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB STANDHYD      ID=[9], NHYD="INT-1"], DT=[5](min), AREA=[9.9](ha),
                    XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[79],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[500](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr) ,  END=-1
*#------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD="EXT-4"], DT=[1]min, AREA=[2.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[1], NHYD="EXT-5"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.10]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD="POOL1"], IDs to add=[5,8,6,7,9,4,1]
*%------------------|-------------------------------------------------------------------|
*%------------------|-------------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[6],   NHYD="POOL"],  IDin=[3],
                    RDT=[1](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                              (cms) - (ha-m)
                            [   0.0  ,  0.0 ]
                            [  0.1   ,  0.1 ]
                            [  0.4   ,  0.2]
                            [  1.09  ,  0.36]
                            [   -1   ,  -1  ]  (max twenty pts)
                       IDovf=[7], NHYDovf="OVF"]
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD="UNC-2"], DT=[5]min, AREA=[1.5](ha),
                    DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD="UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD="900mm"], IDs to add=[4,6,7,10]
*%------------------|-------------------------------------------------------------------|

*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD="INT-5"], DT=[5]min, AREA=[0.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD="UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD="Ext-6"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.22]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD="Ext-7"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD="Ext-8"], DT=[1]min, AREA=[12.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.26]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|

*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD="NE_DITCH"], IDs to add=[6,8]
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD="NE_DITCH"], IDs to add=[7,3,9,10]
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD="Ext-9"], DT=[5]min, AREA=[7](ha),
                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
                    N=[3], TP=[0.35]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
*#------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD="21A"], IDs to add=[4,6]
*%------------------|-------------------------------------------------------------------|

CALIB NASHYD        ID=[4], NHYD="Ext-10A"], DT=[5]min, AREA=[27.9](ha),
                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
                    N=[3], TP=[.42]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD="Ext-11"], DT=[1]min, AREA=[3.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.08]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD="Ext-12"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|


*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
*#------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD="WET-STO"], IDs to add=[1,2,4,3,6]
*%------------------|-------------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[4],    NHYD="22"],   IDin=[5],
                    RDT=[1](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                              (cms) - (ha-m)
                            [   0.0  ,  0.0 ]
                            [   0.0102  ,  0.002 ]
                            [   0.04230 ,  0.004 ]
                            [   0.0939  ,  0.006 ]
                            [   0.1286  ,  0.008 ]
                            [   0.16330 ,  0.045 ]
                            [   0.2489  ,  0.262 ]
                            [   0.3488  ,  0.622 ]
                            [   0.4601  ,  1.088 ]
                            [   0.51955 ,  1.623 ]
                            [   0.579   ,  1.925 ]
                            [   0.7014  ,  2.253 ]
                            [   0.8216  ,  2.951 ]
                            [   0.9345  ,  3.689 ]
                            [   -1      ,  -1    ]  (max twenty pts)
                       IDovf=[6], NHYDovf="OVF"]
*%------------------|-------------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD="Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[  ,  ,  ,  ,  ](mm/hr),  END=-1
*%------------------|-------------------------------------------------------------------|
*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
*#------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD="22"], IDs to add=[3,4]
*%------------------|-------------------------------------------------------------------|

*%------------------|-------------------------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
*#------------------|----------100YR---------------------------------------------------|
*#------------------|-------------------------------------------------------------------|
CHICAGO STORM       IUNITS=[2],  TD=[4](hrs), TPRAT=[0.333],  CSDT=[10](min),
                    ICASEcs=[2],
                    Enter ordinates of IDF curve below, at least seven points
                        TIME (min)     Intensity(mm/hr)
                          [5    ]        [215]
                          [10   ]        [145]
                          [15   ]        [125]
                          [30   ]        [82 ]
                          [60   ]        [56 ]
                          [180  ]        [34 ]
                          [360  ]        [16 ]
```

```
                              [720 ]        [8  ]
                              [1440]        [4.5  ]
                                -1            -1
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|----------POST-DEVELOPMENT-----------------------------------|
*#-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[2], NHYD=["EXT-1"], DT=[1]min, AREA=[3.5](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["INT-3"], DT=[5]min, AREA=[0.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["UNC-1"], DT=[5]min, AREA=[0.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD=["800mm"], IDs to add=[2,3,4]
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[5], NHYD=["EXT-2"], DT=[1]min, AREA=[4.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*#-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["EXT-3"], DT=[1]min, AREA=[2.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.13]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[6], NHYD=["INT-2"], DT=[5](min), AREA=[3](ha),
                    XIMP=[0.13], TIMP=[0.29], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[69],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[290](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["INT-4"], DT=[5]min, AREA=[0.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[9], NHYD=["INT-1"], DT=[5](min), AREA=[9.9](ha),
                    XIMP=[0.19], TIMP=[0.37], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[79],
                    Pervious   surfaces: IAper=[5](mm), SLPP=[2](%),
                                         LGP=[65](m), MNP=[0.15], SCP=[0](min),
                    Impervious surfaces: IAimp=[2](mm), SLPI=[2](%),
                                         LGI=[500](m), MNI=[0.13], SCI=[0](min),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1

*&-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["EXT-4"], DT=[1]min, AREA=[2.6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[1], NHYD=["EXT-5"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.10]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["POOL1"], IDs to add=[5,8,6,7,9,4,1]
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[6],   NHYD=["POOL"],  IDin=[3],
                    RDT=[1](min),
                         TABLE of ( OUTFLOW-STORAGE ) values
                                  (cms) - (ha-m)
                                [   0.0 ,  0.0 ]
                                [ 0.1,   0.1 ]
                                [ 0.4 ,  0.2]
                                [ 0.654 ,  0.72]
                                [   -1  ,  -1  ]  (max twenty pts)
                           IDovf=[7], NHYDovf=["OVFl"]

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["UNC-2"], DT=[5]min, AREA=[1.5](ha),
                    DWF=[0](cms),  CN/C=[82], IA=[4.5](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["UNC-3s1"], DT=[5]min, AREA=[2.1](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["900mm"], IDs to add=[4,6,7,10]
*%-----------------|-------------------------------------------------------------|
                    |-------------------------------------------------------------|
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[8], NHYD=["INT-5"], DT=[5]min, AREA=[0.1](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["UNC-4s1"], DT=[5]min, AREA=[3.0](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[5](mm),
                    N=[3], TP=[0.21]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[7], NHYD=["Ext-6"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.22]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[9], NHYD=["Ext-7"], DT=[1]min, AREA=[6](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[10], NHYD=["Ext-8"], DT=[1]min, AREA=[12.8](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.26]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
                    |-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["NE_DITCH"], IDs to add=[6,8]
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD=["NE_DITCH"], IDs to add=[7,3,9,10]
*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["Ext-9"], DT=[5]min, AREA=[7](ha),
                    DWF=[0](cms),  CN/C=[60], IA=[9.76](mm),
                    N=[3], TP=[0.35]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["21A"], IDs to add=[4,6]
*%-----------------|-------------------------------------------------------------|
                    |-------------------------------------------------------------|
CALIB NASHYD        ID=[4], NHYD=["Ext-10A"], DT=[5]min, AREA=[27.9](ha),
                    DWF=[0](cms),  CN/C=[49.4], IA=[9.8](mm),
                    N=[3], TP=[.42]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-11"], DT=[1]min, AREA=[3.9](ha),
                    DWF=[0](cms),  CN/C=[73], IA=[10](mm),
                    N=[3], TP=[0.08]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[6], NHYD=["Ext-12"], DT=[1]min, AREA=[5.2](ha),
                    DWF=[0](cms),  CN/C=[79], IA=[10](mm),
                    N=[3], TP=[0.12]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
                    |-------------------------------------------------------------|
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["WET-STO"], IDs to add=[1,2,4,3,6]
*%-----------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[4],   NHYD=["22"],  IDin=[5],
                    RDT=[1](min),
                         TABLE of ( OUTFLOW-STORAGE ) values
                                  (cms) - (ha-m)
                                [   0.0 ,  0.0 ]
                                [   0.0102 ,  0.002 ]
                                [   0.04230 ,  0.004 ]
                                [   0.0939 ,  0.006 ]
                                [   0.1286 ,  0.008 ]
                                [   0.16330 ,  0.045 ]
                                [   0.2489 ,  0.262 ]
                                [   0.3488 ,  0.622 ]
                                [   0.4601 ,  1.088 ]
                                [   0.51955 ,  1.623 ]
                                [   0.579 ,  1.925 ]
                                [   0.7014 ,  2.252 ]
                                [   0.8216 ,  2.951 ]
                                [   0.9345 ,  3.689 ]
                                [   -1  ,  -1  ]  (max twenty pts)
                           IDovf=[6], NHYDovf=["OVF"]

*%-----------------|-------------------------------------------------------------|
CALIB NASHYD        ID=[3], NHYD=["Ext-10B"], DT=[5]min, AREA=[4.9](ha),
                    DWF=[0](cms),  CN/C=[36], IA=[10](mm),
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ](mm/hr),  END=-1

*%-----------------|-------------------------------------------------------------|
*%-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ----------|
*#-----------------|-------------------------------------------------------------|
*#-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["22"], IDs to add=[3,4]
*%-----------------|-------------------------------------------------------------|
                    |-------------------------------------------------------------|
FINISH
```

```
00001> ================================================================================
00002>
00003>  SSSSS  W    W  M    M  H    H  Y    Y  M    M    000         999    999  ==========
00004>  S      W W W  MM  MM  H    H   Y Y   MM  MM   O   O       9   9  9   9
00005>  SSSSS  W W W  M M M  HHHHH    Y    M M M  O   O  ##  9   9  9   9  Ver. 4.02
00006>      S  W W W  M    M  H    H   Y    M    M  O   O       9999   9999 July 1999
00007>  SSSSS   W W   M    M  H    H   Y    M    M   000          9      9  ==========
00008>                                                          9   9  9   9  # 3737016
00009>        StormWater Management HYdrologic Model             999    999  ==========
00010>
00011>  ********************************************************************************
00012>  ************************** SWMHYMO-99 Ver/4.02 ***********************************
00013>  *******  A single event and continuous hydrologic simulation model  ********
00014>  *******       based on the principles of HYMO and its successors       ********
00015>  *******                 OTTHYMO-83 and OTTHYMO-89.                     ********
00016>  ********************************************************************************
00017>  ******* Distributed by:  J.F. Sabourin and Associates Inc.             ********
00018>  *******                  Ottawa,  Ontario: (613) 727-5199             ********
00019>  *******                  Gatineau, Quebec: (819) 243-6858             ********
00020>  *******                  E-Mail: swmhymo@jfsa.com                     ********
00021>  ********************************************************************************
00022>
00023>  +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
00024>  +++++++ Licensed user: C.F. Crozier & Associates Inc.                  +++++++
00025>  +++++++++                Collingwood              SERIAL#:3737016     +++++++++
00026>  +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
00027>
00028>  ********************************************************************************
00029>  *******          ++++++ PROGRAM ARRAY DIMENSIONS ++++++                 ********
00030>  *******          Maximum value for ID numbers  :    10                  ********
00031>  *******          Max. number of rainfall points:  15000                 ********
00032>  *******          Max. number of flow points    :  15000                 ********
00033>  ********************************************************************************
00034>
00035>  *** DESCRIPTION SUMMARY TABLE HEADERS (units depend on METOUT in START) ***
00036>  ***------------------------------------------------------------------------***
00037>  ***    ID:  Hydrograph IDentification numbers, (1-10).                   ***
00038>  ***  NHYD:  Hydrograph reference numbers, (6 digits or characters).      ***
00039>  ***  AREA:  Drainage area associated with hydrograph, (ac.) or (ha.).    ***
00040>  *** QPEAK:  Peak flow of simulated hydrograph, (ft^3/s) or (m^3/s).      ***
00041>  *** TpeakDate_hh:mm is the date and time of the peak flow.               ***
00042>  ***  R.V.:  Runoff Volume of simulated hydrograph, (in) or (mm).        ***
00043>  ***  R.C.:  Runoff Coefficient of simulated hydrograph, (ratio).        ***
00044>  ***    *:   see WARNING or NOTE message printed at end of run.          ***
00045>  ***   **:   see  ERROR  message printed at end of run.                  ***
00046>  ********************************************************************************
00047>  ********************************************************************************
00048>
00049>  ::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
00050>
00051>  ********************************************************************************
00052>
00053>  **********************   S U M M A R Y   O U T P U T   **************************
00054>  ********************************************************************************
00055>  *        DATE: 2008-03-10      TIME: 17:12:03      RUN COUNTER: 000627       *
00056>  ********************************************************************************
00057>  * Input   filename: J:\119-TA-1\2528\Design\SWMHYM~1\SECOND~1\SC4.Dat          *
00058>  * Output  filename: J:\119-TA-1\2528\Design\SWMHYM~1\SECOND~1\SC4.out          *
00059>  * Summary filename: J:\119-TA-1\2528\Design\SWMHYM~1\SECOND~1\SC4.sum          *
00060>  * User comments:                                                             *
00061>  * 1: ____________________________________________________________________    *
00062>  * 2: ____________________________________________________________________    *
00063>  * 3: ____________________________________________________________________    *
00064>  ********************************************************************************
00065>
00066>
00067> #*******************************************************************************
00068> #  Project Name: [ALTA PHASE-II]    Project Number: [119-2528]
00069> #  SCENARIO 2: REVISED TIME TO PEAK - EX-4 EX-5 to POND Revised Route Reservoir
00070> #  Date         : 05-24-2007
00071> #  Modeller     : [          ]
00072> #  Company      : C.F. Crozier & Associates Inc.
00073> #  License #    :  3737016
00074> #*******************************************************************************
00075>  RUN:COMMAND#
00076>  001:0001----------------------------------------------------------------------
00077>      START
00078>       [TZERO =    .00 hrs on        0]
00079>       [METOUT=   2    (1=imperial, 2=metric output)]
00080>       [NSTORM=   0 ]
00081>       [NRUN  =   1 ]
00082> #----------------|----------------------------------------------------------|
00083> #----------------|-----------------25mm-------------------------------------|
00084> #----------------|----------------------------------------------------------|
00085>  001:0002----------------------------------------------------------------------
00086>      READ STORM
00087>       Filename = 25mm.stm
00088>       Comment  = 25 mm Event
00089>       [SDT= 4.80:$DUR=    3.04:PTOT=  25.05]
00090> #----------------|----------------------------------------------------------|
00091> #----------------|----------POST-DEVELOPMENT-----------------------------------|
00092> #----------------|----------------------------------------------------------|
00093>  001:0003--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00094>      CALIB NASHYD       02:EXT-1       3.50      .027 No_date    1:14    2.74 .110
00095>       [CN= 79.0: N= 3.00]
00096>       [Tp=  .13:DT= 1.20]
00097>  001:0004--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00098>      CALIB NASHYD       03:INT-3        .20      .001 No_date    1:17    2.69 .107
00099>       [CN= 79.0: N= 3.00]
00100>       [Tp=  .17:DT= 4.80]
00101>  001:0005--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00102>      CALIB NASHYD       04:UNC-1        .80      .010 No_date    1:17    4.53 .181
00103>       [CN= 79.0: N= 3.00]
00104>       [Tp=  .21:DT= 4.80]
00105> #----------------|----------------------------------------------------------|
00106> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT    |
00107> #----------------|----------------------------------------------------------|
00108>  001:0006--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00109>      ADD HYD            02:EXT-1       3.50      .027 No_date    1:14    2.74  n/a
00110>                       + 03:INT-3        .20      .001 No_date    1:17    2.69  n/a
00111>                       + 04:UNC-1        .80      .010 No_date    1:17    4.53  n/a
00112>       [DT= 1.20]  SUM=  01:800mm      4.50      .038 No_date    1:14    3.06  n/a
00113> #----------------|----------------------------------------------------------|
00114>  001:0007--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00115>      CALIB NASHYD       05:EXT-2       4.10      .032 No_date    1:13    2.74 .110
00116>       [CN= 79.0: N= 3.00]
00117>       [Tp=  .12:DT= 1.20]
00118> #----------------|----------------------------------------------------------|
00119>  001:0008--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00120>      CALIB NASHYD       08:EXT-3       2.20      .017 No_date    1:14    2.74 .110
00121>       [CN= 79.0: N= 3.00]
00122>       [Tp=  .13:DT= 1.20]
00123>  001:0009--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00124>      CALIB STANDHYD     06:INT-2       3.00      .030 No_date    1:22    6.29 .251
00125>       [XIMP=.13:TIMP=.29]
00126>       [LOSS= 2 :CN= 69.0]
00127>       [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00128>       [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
00129>  001:0010--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00130>      CALIB NASHYD       07:INT-4        .60      .004 No_date    1:17    2.69 .107
00131>       [CN= 79.0: N= 3.00]
00132>       [Tp=  .17:DT= 4.80]
00133>  001:0011--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00134>      CALIB STANDHYD     09:INT-1       9.90      .123 No_date    1:50    9.21 .368
00135>       [XIMP=.19:TIMP=.37]
00136>       [LOSS= 2 :CN= 79.0]
00137>       [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00138>       [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
00139> #----------------|----------------------------------------------------------|
00140>  001:0012--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00141>      CALIB NASHYD       04:EXT-4       2.60      .020 No_date    1:13    2.74 .110
00142>       [CN= 79.0: N= 3.00]
00143>       [Tp=  .12:DT= 1.20]
00144>  001:0013--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00145>      CALIB NASHYD       01:EXT-5       5.20      .044 No_date    1:11    2.74 .110
00146>       [CN= 79.0: N= 3.00]
00147>       [Tp=  .10:DT= 1.20]
00148> #----------------|----------------------------------------------------------|
00149> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR        |
00150> #----------------|----------------------------------------------------------|
00151>  001:0014--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00152>      ADD HYD            05:EXT-2       4.10      .032 No_date    1:13    2.74  n/a
00153>                       + 08:EXT-3       2.20      .017 No_date    1:14    2.74  n/a
00154>                       + 06:INT-2       3.00      .030 No_date    1:22    6.29  n/a
00155>                       + 07:INT-4        .60      .004 No_date    1:17    2.69  n/a
00156>                       + 09:INT-1       9.90      .123 No_date    1:50    9.21  n/a
00157>                       + 04:EXT-4       2.60      .020 No_date    1:13    2.74  n/a
00158>                       + 01:EXT-5       5.20      .044 No_date    1:11    2.74  n/a
00159>       [DT= 1.20]  SUM=  03:POOL1     27.60      .217 No_date    1:31    5.45  n/a
00160> #----------------|----------------------------------------------------------|
00161>  001:0015--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00162>      ROUTE RESERVOIR -> 03:POOL1     27.60      .217 No_date    1:31    5.45  n/a
00163>       [RDT= 1.20] out<- 06:POOL      27.60      .083 No_date    3:10    5.45  n/a
00164>                         overflow <- 07:OVF1        .00      .000 No_date    0:00     .00  n/a
00165>       (MxStoUsed=.8327E-01, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=   0.hrs
00166>  001:0016--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00167>      CALIB NASHYD       10:UNC-2       1.50      .027 No_date    1:12    5.46 .218
00168>       [CN= 82.0: N= 3.00]
00169>       [Tp=  .17:DT= 4.80]
00170>  001:0017--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00171>      CALIB NASHYD       04:UNC-3s      2.10      .011 No_date    1:17    2.04 .081
00172>       [CN= 73.0: N= 3.00]
00173>       [Tp=  .17:DT= 4.80]
00174> #----------------|----------------------------------------------------------|
00175> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT    |
00176> #----------------|----------------------------------------------------------|
00177>  001:0018--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00178>      ADD HYD            04:UNC-3s      2.10      .011 No_date    1:17    2.04  n/a
00179>                       + 06:POOL      27.60      .083 No_date    3:10    5.45  n/a
00180>                       + 07:OVF1        .00      .000 No_date    0:00     .00  n/a
00181>                       + 10:UNC-2      1.50      .027 No_date    1:12    5.46  n/a
00182>       [DT= 1.20]  SUM=  02:900mm     31.20      .089 No_date    2:58    5.22  n/a
00183>  001:0019--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00184>      CALIB NASHYD       08:INT-5        .10      .001 No_date    1:17    2.69 .107
00185>       [CN= 79.0: N= 3.00]
00186>       [Tp=  .17:DT= 4.80]
00187>  001:0020--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00188>      CALIB NASHYD       06:UNC-4s      3.00      .039 No_date    1:17    4.53 .181
00189>       [CN= 79.0: N= 3.00]
00190>       [Tp=  .21:DT= 4.80]
00191>  001:0021--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00192>      CALIB NASHYD       07:Ext-6       6.00      .037 No_date    1:24    2.74 .110
00193>       [CN= 79.0: N= 3.00]
00194>       [Tp=  .22:DT= 1.20]
00195>  001:0022--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00196>      CALIB NASHYD       09:Ext-7       6.00      .047 No_date    1:13    2.74 .110
00197>       [CN= 79.0: N= 3.00]
00198>       [Tp=  .12:DT= 1.20]
00199>  001:0023--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00200>      CALIB NASHYD       10:Ext-8      12.80      .074 No_date    1:28    2.74 .110
00201>       [CN= 79.0: N= 3.00]
00202>       [Tp=  .26:DT= 1.20]
00203> #----------------|----------------------------------------------------------|
00204> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH          |
00205> #----------------|----------------------------------------------------------|
00206>  001:0024--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00207>      ADD HYD            06:UNC-4s      3.00      .039 No_date    1:17    4.53  n/a
00208>                       + 08:INT-5        .10      .001 No_date    1:17    2.69  n/a
00209>       [DT= 4.80]  SUM=  03:NE_DIT     3.10      .040 No_date    1:17    4.47  n/a
00210> #----------------|----------------------------------------------------------|
00211>  001:0025--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00212>      ADD HYD            07:Ext-6       6.00      .037 No_date    1:24    2.74  n/a
00213>                       + 03:NE_DIT     3.10      .040 No_date    1:17    4.47  n/a
00214>                       + 09:Ext-7       6.00      .047 No_date    1:13    2.74  n/a
00215>                       + 10:Ext-8      12.80      .074 No_date    1:28    2.74  n/a
00216>       [DT= 1.20]  SUM=  04:NE_DIT     27.90      .183 No_date    1:22    2.94  n/a
00217>  001:0026--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00218>      CALIB NASHYD       06:Ext-9       7.00      .016 No_date    1:36    1.24 .050
00219>       [CN= 60.0: N= 3.00]
00220>       [Tp=  .35:DT= 4.80]
00221> #----------------|----------------------------------------------------------|
00222> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow       |
00223> #----------------|----------------------------------------------------------|
00224> #----------------|----------------------------------------------------------|
00225>  001:0027--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00226>      ADD HYD            04:NE_DIT     27.90      .183 No_date    1:22    2.94  n/a
00227>                       + 06:Ext-9       7.00      .016 No_date    1:36    1.24  n/a
00228>       [DT= 1.20]  SUM=  05:21A       34.90      .197 No_date    1:22    2.60  n/a
00229>  001:0028--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00230>      CALIB NASHYD       04:Ext-10     27.90      .038 No_date    1:46     .83 .033
00231>       [CN= 49.4: N= 3.00]
00232>       [Tp=  .42:DT= 1.80]
00233>  001:0029--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00234>      CALIB NASHYD       03:Ext-11      3.90      .026 No_date    1:08    2.08 .083
00235>       [CN= 73.0: N= 3.00]
00236>       [Tp=  .08:DT= 1.20]
00237>  001:0030--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00238>      CALIB NASHYD       06:Ext-12      5.20      .041 No_date    1:13    2.74 .110
00239>       [CN= 79.0: N= 3.00]
00240>       [Tp=  .12:DT= 1.20]
00241> #----------------|----------------------------------------------------------|
00242> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
00243> #----------------|----------------------------------------------------------|
00244> #----------------|----------------------------------------------------------|
00245>  001:0031--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00246>      ADD HYD            01:EXT-5       5.20      .044 No_date    1:11    2.74  n/a
00247>                       + 02:900mm     31.20      .089 No_date    2:58    5.22  n/a
00248>                       + 04:Ext-10    27.90      .038 No_date    1:46     .83  n/a
00249>                       + 03:Ext-11     3.90      .026 No_date    1:08    2.08  n/a
00250>                       + 06:Ext-12     5.20      .041 No_date    1:13    2.74  n/a
00251>       [DT= 1.20]  SUM=  05:WET-ST    73.40      .172 No_date    1:14    3.03  n/a
00252>  001:0032--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00253>      ROUTE RESERVOIR -> 05:WET-ST    73.40      .172 No_date    1:14    3.03  n/a
00254>       [RDT= 1.20] out<- 04:22        73.40      .135 No_date    2:44    3.03  n/a
00255>                         overflow <- 06:OVF        .00      .000 No_date    0:00     .00  n/a
00256>       [MxStoUsed=.1515E-01, TotOvfVol=.0000E+00, N-Ovf=     0, TotDurOvf=   0.hrs
00257>  001:0033--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00258>      CALIB NASHYD       03:Ext-10      4.90      .006 No_date    1:17     .48 .019
00259>       [CN= 36.0: N= 3.00]
00260>       [Tp=  .17:DT= 4.80]
00261> #----------------|----------------------------------------------------------|
00262> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
00263> #----------------|----------------------------------------------------------|
00264> #----------------|----------------------------------------------------------|
00265>  001:0034--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00266>      ADD HYD            03:Ext-10      4.90      .006 No_date    1:17     .48  n/a
00267>                       + 04:22        73.40      .135 No_date    2:44    3.03  n/a
00268>       [DT= 1.20]  SUM=  05:22        78.30      .137 No_date    2:31    2.87  n/a
00269> #----------------|----------------------------------------------------------|
00270> #----------------|----------2 YEAR--------------------------------------------|
```

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#------------------|-------------------------------------------------------------|
 001:0035---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CHICAGO STORM
      [SDT=10.00:SDUR=   4.00:PTOT=  37.95]
      (A/B/C=1461.279/  18.094/    .907: R=.9944)
#------------------|-------------------------------------------------------------|
#------------------|-----------POST-DEVELOPMENT-----------------------------------|
#------------------|-------------------------------------------------------------|
 001:0036---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       02:EXT-1      3.50     .089 No_date    1:33    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .13:DT= 1.00)
001:0037---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       03:INT-3       .20     .005 No_date    1:35    8.18 .216
      [CN= 79.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0038---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:UNC-1       .80     .024 No_date    1:35   10.80 .285
      (CN= 79.0: N= 3.00)
      [Tp=  .21:DT= 5.00]
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
#------------------|-------------------------------------------------------------|
 001:0039---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            01:EXT-1      3.50     .089 No_date    1:33    8.18  n/a
                      + 03:INT-3       .20     .005 No_date    1:35    8.18  n/a
                      + 04:UNC-1       .80     .024 No_date    1:35   10.80  n/a
      [DT= 1.00]  SUM=  01:800mm      4.50     .117 No_date    1:33    8.65  n/a
#------------------|-------------------------------------------------------------|
 001:0040---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       05:EXT-2      4.10     .107 No_date    1:32    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
#------------------|-------------------------------------------------------------|
 001:0041---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       08:EXT-3      2.20     .056 No_date    1:33    8.18 .216
      [CN= 79.0: N= 3.00)
      [Tp=  .13:DT= 1.00)
001:0042---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB STANDHYD     06:INT-2      3.00     .063 No_date    1:50   12.53 .330
      {XIMP=.13:TIMP=.29}
      {LOSS= 2 :CN= 69.0}
      [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
      [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
001:0043---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       07:INT-4       .60     .014 No_date    1:35    8.18 .216
      [CN= 79.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0044---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB STANDHYD     09:INT-1      9.90     .264 No_date    2:00   17.68 .466
      {XIMP=.19:TIMP=.37}
      [LOSS= 2 :CN= 79.0]
      [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
      [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
#------------------|-------------------------------------------------------------|
001:0045---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:EXT-4      2.60     .068 No_date    1:32    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
001:0046---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       01:EXT-5      5.20     .142 No_date    1:31    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .10:DT= 1.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
#------------------|-------------------------------------------------------------|
 001:0047---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            05:EXT-2      4.10     .107 No_date    1:32    8.18  n/a
                      + 08:EXT-3      2.20     .056 No_date    1:33    8.18  n/a
                      + 06:INT-2      3.00     .063 No_date    1:50   12.53  n/a
                      + 07:INT-4       .60     .014 No_date    1:35    8.18  n/a
                      + 09:INT-1      9.90     .264 No_date    2:00   17.68  n/a
                      + 04:EXT-4      2.60     .068 No_date    1:32    8.18  n/a
                      + 01:EXT-5      5.20     .142 No_date    1:31    8.18  n/a
      [DT= 1.00]  SUM=  03:POOL1     27.60     .596 No_date    1:35   12.06  n/a
#------------------|-------------------------------------------------------------|
 001:0048---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ROUTE RESERVOIR -> 03:POOL1     27.60     .596 No_date    1:35   12.06  n/a
      [RDT= 1.00] out<- 06:POOL      27.60     .264 No_date    2:45   12.06  n/a
              overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
     (MxStoUsed=.1546E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
001:0049---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       10:UNC-2      1.50     .059 No_date    1:30   12.54 .330
      (CN= 82.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0050---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:UNC-3s     2.10     .037 No_date    1:35    6.41 .169
      (CN= 73.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
#------------------|-------------------------------------------------------------|
 001:0051---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            04:UNC-3s     2.10     .037 No_date    1:35    6.41  n/a
                      + 06:POOL      27.60     .264 No_date    2:45   12.06  n/a
                      + 07:OVF1        .00     .000 No_date    0:00     .00  n/a
                      + 10:UNC-2      1.50     .059 No_date    1:30   12.54  n/a
      [DT= 1.00]  SUM=  02:900mm     31.20     .281 No_date    2:41   11.70  n/a
001:0052---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       08:INT-5       .10     .002 No_date    1:35    8.18 .215
      (CN= 79.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0053---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       06:UNC-4s     3.00     .091 No_date    1:35   10.80 .285
      [CN= 79.0: N= 3.00)
      [Tp=  .21:DT= 5.00)
001:0054---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       07:Ext-6      6.00     .125 No_date    1:42    8.18 .216
      [CN= 79.0: N= 3.00)
      [Tp=  .22:DT= 1.00)
001:0055---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       09:Ext-7      6.00     .157 No_date    1:32    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
001:0056---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       10:Ext-8     12.80     .246 No_date    1:46    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .26:DT= 1.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
#------------------|-------------------------------------------------------------|
001:0057---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            06:UNC-4s     3.00     .091 No_date    1:35   10.80  n/a
                      + 08:INT-5       .10     .002 No_date    1:35    8.18  n/a
      [DT= 5.00]  SUM=  03:NE_DIT     3.10     .093 No_date    1:35   10.72  n/a
#------------------|-------------------------------------------------------------|
 001:0058---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            07:Ext-6      6.00     .125 No_date    1:42    8.18  n/a
                      + 03:NE_DIT     3.10     .093 No_date    1:35   10.72  n/a
                      + 09:Ext-7      6.00     .157 No_date    1:32    8.18  n/a
                      + 10:Ext-8     12.80     .246 No_date    1:46    8.18  n/a
      [DT= 1.00]  SUM=  04:NE_DIT    27.90     .583 No_date    1:40    8.46  n/a
001:0059---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       06:Ext-9      7.00     .055 No_date    1:55    4.02 .106
      [CN= 60.0: N= 3.00]
      [Tp=  .35:DT= 5.00]
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
#------------------|-------------------------------------------------------------|
#------------------|-------------------------------------------------------------|
001:0060---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            04:NE_DIT     27.90     .583 No_date    1:40    8.46  n/a
                      + 06:Ext-9       7.00     .055 No_date    1:55    4.02  n/a
      [DT= 1.00]  SUM=  05:21A       34.90     .630 No_date    1:41    7.57  n/a
001:0061---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:Ext-10     27.90     .135 No_date    2:00    2.75 .072
      [CN= 49.4: N= 3.00]
      [Tp=  .42:DT= 5.00]
001:0062---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       03:Ext-11      3.90     .084 No_date    1:31    6.41 .169
      [CN= 73.0: N= 3.00]
      [Tp=  .08:DT= 1.00]
001:0063---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       06:Ext-12      5.20     .136 No_date    1:32    8.18 .216
      (CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
#------------------|-------------------------------------------------------------|
#------------------|-------------------------------------------------------------|
 001:0064---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            01:EXT-5      5.20     .142 No_date    1:31    8.18  n/a
                      + 02:900mm     31.20     .281 No_date    2:41   11.70  n/a
                      + 04:Ext-10    27.90     .135 No_date    2:00    2.75  n/a
                      + 03:Ext-11     3.90     .084 No_date    1:31    6.41  n/a
                      + 06:Ext-12     5.20     .136 No_date    1:32    8.18  n/a
      [DT= 1.00]  SUM=  05:WET-ST    73.40     .557 No_date    1:33    7.52  n/a
001:0065---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ROUTE RESERVOIR -> 05:WET-ST    73.40     .557 No_date    1:33    7.52  n/a
      [RDT= 1.00] out<- 04:22        73.40     .226 No_date    4:05    7.52  n/a
              overflow <= 06:OVF       .00     .000 No_date    0:00     .00  n/a
     (MxStoUsed=.2051E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
001:0066---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       03:Ext-10      4.90     .021 No_date    1:35    1.63 .043
      [CN= 36.0: N= 3.00]
      [Tp=  .17:DT= 5.00]
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW -----------|
#------------------|-------------------------------------------------------------|
#------------------|-------------------------------------------------------------|
 001:0067---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            03:Ext-10      4.90     .021 No_date    1:35    1.63  n/a
                      + 04:22        73.40     .226 No_date    4:05    7.52  n/a
      [DT= 1.00]  SUM=  05:22        78.30     .229 No_date    4:00    7.15  n/a
#------------------|-------------------------------------------------------------|
#------------------|----------5YR--------------------------------------------------|
#------------------|-------------------------------------------------------------|
 001:0068---------------------------------------------------------------------------
     CHICAGO STORM
      [SDT=10.00:SDUR=   4.00:PTOT=  47.36]
      (A/B/C=1508.929/  11.438/    .877: R=.9976)
#------------------|-------------------------------------------------------------|
#------------------|-----------POST-DEVELOPMENT-----------------------------------|
#------------------|-------------------------------------------------------------|
 001:0069---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       02:EXT-1      3.50     .168 No_date    1:31   13.31 .281
      (CN= 79.0: N= 3.00)
      [Tp=  .13:DT= 1.00)
001:0070---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       03:INT-3       .20     .009 No_date    1:30   13.31 .281
      (CN= 79.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0071---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:UNC-1       .80     .040 No_date    1:35   16.33 .345
      (CN= 79.0: N= 3.00)
      [Tp=  .21:DT= 5.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
#------------------|-------------------------------------------------------------|
 001:0072---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            02:EXT-1      3.50     .168 No_date    1:31   13.31  n/a
                      + 03:INT-3       .20     .009 No_date    1:30   13.31  n/a
                      + 04:UNC-1       .80     .040 No_date    1:35   16.33  n/a
      [DT= 1.00]  SUM=  01:800mm      4.50     .216 No_date    1:31   13.85  n/a
#------------------|-------------------------------------------------------------|
 001:0073---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       05:EXT-2      4.10     .201 No_date    1:30   13.31 .281
      (CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
#------------------|-------------------------------------------------------------|
001:0074---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       08:EXT-3      2.20     .105 No_date    1:31   13.31 .281
      [CN= 79.0: N= 3.00)
      [Tp=  .13:DT= 1.00)
001:0075---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB STANDHYD     06:INT-2      3.00     .103 No_date    1:45   17.84 .377
      [XIMP=.13:TIMP=.29]
      [LOSS= 2 :CN= 69.0]
      [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
      [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
001:0076---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       07:INT-4       .60     .026 No_date    1:30   13.31 .281
      [CN= 79.0: N= 3.00)
      [Tp=  .17:DT= 5.00)
001:0077---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB STANDHYD     09:INT-1      9.90     .418 No_date    1:55   24.57 .519
      [XIMP=.19:TIMP=.37]
      [LOSS= 2 :CN= 79.0]
      [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
      [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
#------------------|-------------------------------------------------------------|
001:0078---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       04:EXT-4      2.60     .128 No_date    1:30   13.31 .281
      [CN= 79.0: N= 3.00)
      [Tp=  .12:DT= 1.00)
001:0079---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       01:EXT-5      5.20     .273 No_date    1:26   13.31 .281
      (CN= 79.0: N= 3.00)
      [Tp=  .10:DT= 1.00)
#------------------|-------------------------------------------------------------|
#------------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
#------------------|-------------------------------------------------------------|
 001:0080---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ADD HYD            05:EXT-2      4.10     .201 No_date    1:30   13.31  n/a
                      + 08:EXT-3      2.20     .105 No_date    1:31   13.31  n/a
                      + 06:INT-2      3.00     .103 No_date    1:45   17.84  n/a
                      + 07:INT-4       .60     .026 No_date    1:30   13.31  n/a
                      + 09:INT-1      9.90     .418 No_date    1:55   24.57  n/a
                      + 04:EXT-4      2.60     .128 No_date    1:30   13.31  n/a
                      + 01:EXT-5      5.20     .273 No_date    1:26   13.31  n/a
      [DT= 1.00]  SUM=  03:POOL1     27.60    1.068 No_date    1:32   17.84  n/a
#------------------|-------------------------------------------------------------|
001:0081---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     ROUTE RESERVOIR -> 03:POOL1     27.60    1.068 No_date    1:32   17.84  n/a
      [RDT= 1.00] out<- 06:POOL      27.60     .461 No_date    2:27   17.84  n/a
              overflow <= 07:OVF1      .00     .000 No_date    0:00     .00  n/a
     (MxStoUsed=.2141E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
001:0082---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mn----R.V.-R.C.
     CALIB NASHYD       10:UNC-2      1.50     .098 No_date    1:30   18.63 .393
      (CN= 82.0: N= 3.00)
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00541>       [Tp=  .17:DT= 5.00]
00542>  001:0083---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00543>       CALIB NASHYD        04:UNC-3s     2.10     .069 No_date    1:30   10.63 .224
00544>        [CN= 73.0: N= 3.00]
00545>        [Tp=  .17:DT= 5.00]
00546> #----------------|-------------------------------------------------------------|
00547> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
00548> #----------------|-------------------------------------------------------------|
00549>  001:0084---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00550>       ADD HYD             04:UNC-3s     2.10     .069 No_date    1:30   10.63  n/a
00551>                         + 06:POOL      27.60     .461 No_date    2:27   17.84  n/a
00552>                         + 07:OVFl        .00     .000 No_date    0:00     .00  n/a
00553>                         + 10:UNC-2      1.50     .098 No_date    1:30   18.63  n/a
00554>        [DT= 1.00]  SUM=  02:900mm     31.20     .493 No_date    2:23   17.39  n/a
00555>  001:0085---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00556>       CALIB NASHYD        08:INT-5       .10     .004 No_date    1:30   13.30 .281
00557>        [CN= 79.0: N= 3.00]
00558>        [Tp=  .17:DT= 5.00]
00559>  001:0086---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00560>       CALIB NASHYD        06:UNC-4s     3.00     .150 No_date    1:35   16.33 .345
00561>        [CN= 79.0: N= 3.00]
00562>        [Tp=  .21:DT= 5.00]
00563>  001:0087---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00564>       CALIB NASHYD        07:Ext-6      6.00     .227 No_date    1:38   13.31 .281
00565>        [CN= 79.0: N= 3.00]
00566>        [Tp=  .22:DT= 1.00]
00567>  001:0088---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00568>       CALIB NASHYD        09:Ext-7      6.00     .294 No_date    1:30   13.31 .281
00569>        [CN= 79.0: N= 3.00]
00570>        [Tp=  .12:DT= 1.00]
00571>  001:0089---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00572>       CALIB NASHYD        10:Ext-8     12.80     .443 No_date    1:42   13.31 .281
00573>        [CN= 79.0: N= 3.00]
00574>        [Tp=  .26:DT= 1.00]
00575> #----------------|-------------------------------------------------------------|
00576> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
00577> #----------------|-------------------------------------------------------------|
00578>  001:0090---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00579>       ADD HYD             06:UNC-4s     3.00     .150 No_date    1:35   16.33  n/a
00580>                         + 08:INT-5       .10     .004 No_date    1:30   13.30  n/a
00581>        [DT= 5.00]  SUM=  03:NE_DIT     3.10     .154 No_date    1:35   16.23  n/a
00582> #----------------|-------------------------------------------------------------|
00583>  001:0091---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00584>       ADD HYD             07:Ext-6      6.00     .227 No_date    1:38   13.31  n/a
00585>                         + 03:NE_DIT     3.10     .154 No_date    1:35   16.23  n/a
00586>                         + 09:Ext-7      6.00     .294 No_date    1:30   13.31  n/a
00587>                         + 10:Ext-8     12.80     .443 No_date    1:42   13.31  n/a
00588>        [DT= 1.00]  SUM=  04:NE_DIT    27.90    1.050 No_date    1:35   13.63  n/a
00589>  001:0092---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00590>       CALIB NASHYD        06:Ext-9      7.00     .100 No_date    1:50    6.83 .144
00591>        [CN= 60.0: N= 3.00]
00592>        [Tp=  .35:DT= 5.00]
00593> #----------------|-------------------------------------------------------------|
00594> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
00595> #----------------|-------------------------------------------------------------|
00596> #----------------|-------------------------------------------------------------|
00597>  001:0093---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00598>       ADD HYD             04:NE_DIT     27.90    1.050 No_date    1:35   13.63  n/a
00599>                         + 06:Ext-9      7.00     .100 No_date    1:50    6.83  n/a
00600>        [DT= 1.00]  SUM=  05:21A       34.90    1.133 No_date    1:36   12.27  n/a
00601>  001:0094---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00602>       CALIB NASHYD        04:Ext-10     27.90     .246 No_date    1:55    4.74 .100
00603>        [CN= 49.4: N= 3.00]
00604>        [Tp=  .42:DT= 5.00]
00605>  001:0095---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00606>       CALIB NASHYD        03:Ext-11      3.90     .174 No_date    1:24   10.63 .224
00607>        [CN= 73.0: N= 3.00]
00608>        [Tp=  .08:DT= 1.00]
00609>  001:0096---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00610>       CALIB NASHYD        06:Ext-12      5.20     .255 No_date    1:30   13.31 .281
00611>        [CN= 79.0: N= 3.00]
00612>        [Tp=  .12:DT= 1.00]
00613> #----------------|-------------------------------------------------------------|
00614> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
00615> #----------------|-------------------------------------------------------------|
00616> #----------------|-------------------------------------------------------------|
00617>  001:0097---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00618>       ADD HYD             01:EXT-5       5.20     .273 No_date    1:26   13.31  n/a
00619>                         + 02:900mm     31.20     .493 No_date    2:23   17.39  n/a
00620>                         + 04:Ext-10    27.90     .246 No_date    1:55    4.74  n/a
00621>                         + 03:Ext-11     3.90     .174 No_date    1:24   10.63  n/a
00622>                         + 06:Ext-12     5.20     .255 No_date    1:30   13.31  n/a
00623>        [DT= 1.00]  SUM=  05:WET-ST    73.40    1.028 No_date    1:31   11.64  n/a
00624>  001:0098---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00625>       ROUTE RESERVOIR -> 05:WET-ST    73.40    1.028 No_date    1:31   11.64  n/a
00626>        [RDT= 1.00] out<- 04:22        73.40     .295 No_date    4:09   11.64  n/a
00627>                  overflow <= 06:OVF      .00     .000 No_date    0:00     .00  n/a
00628>       [MxStoUsed=.4265E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00629>  001:0099---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00630>       CALIB NASHYD        03:Ext-10      4.90     .040 No_date    1:35    2.85 .060
00631>        [CN= 36.0: N= 3.00]
00632>        [Tp=  .17:DT= 5.00]
00633> #----------------|-------------------------------------------------------------|
00634> #----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW -----------|
00635> #----------------|-------------------------------------------------------------|
00636> #----------------|-------------------------------------------------------------|
00637>  001:0100---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00638>       ADD HYD             03:Ext-10      4.90     .040 No_date    1:35    2.85  n/a
00639>                         + 04:22        73.40     .295 No_date    4:09   11.64  n/a
00640>        [DT= 1.00]  SUM=  05:22        78.30     .298 No_date    4:00   11.09  n/a
00641> #----------------|-------------------------------------------------------------|
00642> #----------|----------10YR-----------------------------------------------------|
00643> #----------|-------------------------------------------------------------------|
00644>  001:0101-------------------------------------------------------------------------
00645>       CHICAGO STORM
00646>       [SDT=10.00:SDUR=    4.00:PTOT=  58.19]
00647>       [A/B/C=1786.143/  15.082/    .868: R=.9956]
00648> #----------------|-------------------------------------------------------------|
00649> #----------------|----------POST-DEVELOPMENT--------------------------------------|
00650> #----------------|-------------------------------------------------------------|
00651>  001:0102---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00652>       CALIB NASHYD        02:EXT-1       3.50     .236 No_date    1:31   20.07 .345
00653>        [CN= 79.0: N= 3.00]
00654>        [Tp=  .13:DT= 1.00]
00655>  001:0103---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00656>       CALIB NASHYD        03:INT-3       .20     .012 No_date    1:30   20.07 .345
00657>        [CN= 79.0: N= 3.00]
00658>        [Tp=  .17:DT= 5.00]
00659>  001:0104---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00660>       CALIB NASHYD        04:UNC-1       .80     .054 No_date    1:35   23.44 .403
00661>        [CN= 79.0: N= 3.00]
00662>        [Tp=  .21:DT= 5.00]
00663> #----------------|-------------------------------------------------------------|
00664> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
00665> #----------------|-------------------------------------------------------------|
00666>  001:0105---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00667>       ADD HYD             02:EXT-1       3.50     .236 No_date    1:31   20.07  n/a
00668>                         + 03:INT-3       .20     .012 No_date    1:30   20.07  n/a
00669>                         + 04:UNC-1       .80     .054 No_date    1:35   23.44  n/a
00670>        [DT= 1.00]  SUM=  01:800mm      4.50     .301 No_date    1:31   20.67  n/a
00671> #----------------|-------------------------------------------------------------|
00672>  001:0106---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00673>       CALIB NASHYD        05:EXT-2       4.10     .282 No_date    1:29   20.07 .345
00674>        [CN= 79.0: N= 3.00]
00675>        [Tp=  .12:DT= 1.00]
00676> #----------------|-------------------------------------------------------------|
00677>  001:0107---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00678>       CALIB NASHYD        08:EXT-3       2.20     .148 No_date    1:31   20.07 .345
00679>        [CN= 79.0: N= 3.00]
00680>        [Tp=  .13:DT= 1.00]
00681>  001:0108---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00682>       CALIB STANDHYD      06:INT-2       3.00     .138 No_date    1:45   24.60 .423
00683>        [XIMP=.13:TIMP=.29]
00684>        [LOSS= 2 :CN= 69.0]
00685>        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00686>        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
00687>  001:0109---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00688>       CALIB NASHYD        07:INT-4        .60     .036 No_date    1:30   20.07 .345
00689>        [CN= 79.0: N= 3.00]
00690>        [Tp=  .17:DT= 5.00]
00691>  001:0110---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00692>       CALIB STANDHYD      09:INT-1       9.90     .573 No_date    1:50   33.03 .568
00693>        [XIMP=.19:TIMP=.37]
00694>        [LOSS= 2 :CN= 79.0]
00695>        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
00696>        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
00697> #----------------|-------------------------------------------------------------|
00698>  001:0111---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00699>       CALIB NASHYD        04:EXT-4       2.60     .179 No_date    1:29   20.07 .345
00700>        [CN= 79.0: N= 3.00]
00701>        [Tp=  .12:DT= 1.00]
00702>  001:0112---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00703>       CALIB NASHYD        01:EXT-5       5.20     .381 No_date    1:25   20.07 .345
00704>        [CN= 79.0: N= 3.00]
00705>        [Tp=  .10:DT= 1.00]
00706> #----------------|-------------------------------------------------------------|
00707> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
00708> #----------------|-------------------------------------------------------------|
00709>  001:0113---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00710>       ADD HYD             05:EXT-2       4.10     .282 No_date    1:29   20.07  n/a
00711>                         + 08:EXT-3       2.20     .148 No_date    1:31   20.07  n/a
00712>                         + 06:INT-2       3.00     .138 No_date    1:45   24.60  n/a
00713>                         + 07:INT-4        .60     .036 No_date    1:30   20.07  n/a
00714>                         + 09:INT-1       9.90     .573 No_date    1:50   33.03  n/a
00715>                         + 04:EXT-4       2.60     .179 No_date    1:29   20.07  n/a
00716>                         + 01:EXT-5       5.20     .381 No_date    1:25   20.07  n/a
00717>        [DT= 1.00]  SUM=  03:POOL1     27.60    1.483 No_date    1:32   25.21  n/a
00718> #----------------|-------------------------------------------------------------|
00719>  001:0114---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00720>       ROUTE RESERVOIR -> 03:POOL1    27.60    1.483 No_date    1:32   25.21  n/a
00721>        [RDT= 1.00] out<- 06:POOL     27.60     .726 No_date    2:19   25.21  n/a
00722>                  overflow <= 07:OVFl      .00     .000 No_date    0:00     .00  n/a
00723>       [MxStoUsed=.2756E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
00724>  001:0115---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00725>       CALIB NASHYD        10:UNC-2       1.50     .128 No_date    1:30   26.34 .453
00726>        [CN= 82.0: N= 3.00]
00727>        [Tp=  .17:DT= 5.00]
00728>  001:0116---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00729>       CALIB NASHYD        04:UNC-3s      2.10     .100 No_date    1:30   16.34 .281
00730>        [CN= 73.0: N= 3.00]
00731>        [Tp=  .17:DT= 5.00]
00732> #----------------|-------------------------------------------------------------|
00733> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
00734> #----------------|-------------------------------------------------------------|
00735>  001:0117---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00736>       ADD HYD             04:UNC-3s      2.10     .100 No_date    1:30   16.34  n/a
00737>                         + 06:POOL      27.60     .726 No_date    2:19   25.21  n/a
00738>                         + 07:OVFl        .00     .000 No_date    0:00     .00  n/a
00739>                         + 10:UNC-2      1.50     .128 No_date    1:30   26.34  n/a
00740>        [DT= 1.00]  SUM=  02:900mm     31.20     .786 No_date    2:14   24.67  n/a
00741>  001:0118---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00742>       CALIB NASHYD        08:INT-5       .10     .006 No_date    1:30   20.07 .345
00743>        [CN= 79.0: N= 3.00]
00744>        [Tp=  .17:DT= 5.00]
00745>  001:0119---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00746>       CALIB NASHYD        06:UNC-4s      3.00     .202 No_date    1:35   23.44 .403
00747>        [CN= 79.0: N= 3.00]
00748>        [Tp=  .21:DT= 5.00]
00749>  001:0120---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00750>       CALIB NASHYD        07:Ext-6       6.00     .325 No_date    1:38   20.07 .345
00751>        [CN= 79.0: N= 3.00]
00752>        [Tp=  .22:DT= 1.00]
00753>  001:0121---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00754>       CALIB NASHYD        09:Ext-7       6.00     .413 No_date    1:29   20.07 .345
00755>        [CN= 79.0: N= 3.00]
00756>        [Tp=  .12:DT= 1.00]
00757>  001:0122---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00758>       CALIB NASHYD        10:Ext-8      12.80     .639 No_date    1:42   20.07 .345
00759>        [CN= 79.0: N= 3.00]
00760>        [Tp=  .26:DT= 1.00]
00761> #----------------|-------------------------------------------------------------|
00762> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
00763> #----------------|-------------------------------------------------------------|
00764>  001:0123---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00765>       ADD HYD             06:UNC-4s      3.00     .202 No_date    1:35   23.44  n/a
00766>                         + 08:INT-5        .10     .006 No_date    1:30   20.07  n/a
00767>        [DT= 5.00]  SUM=  03:NE_DIT      3.10     .207 No_date    1:35   23.33  n/a
00768> #----------------|-------------------------------------------------------------|
00769>  001:0124---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00770>       ADD HYD             07:Ext-6       6.00     .325 No_date    1:38   20.07  n/a
00771>                         + 03:NE_DIT      3.10     .207 No_date    1:35   23.33  n/a
00772>                         + 09:Ext-7       6.00     .413 No_date    1:29   20.07  n/a
00773>                         + 10:Ext-8      12.80     .639 No_date    1:42   20.07  n/a
00774>        [DT= 1.00]  SUM=  04:NE_DIT     27.90    1.493 No_date    1:36   20.43  n/a
00775>  001:0125---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00776>       CALIB NASHYD        06:Ext-9       7.00     .152 No_date    1:50   10.77 .185
00777>        [CN= 60.0: N= 3.00]
00778>        [Tp=  .35:DT= 5.00]
00779> #----------------|-------------------------------------------------------------|
00780> #----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow----------|
00781> #----------------|-------------------------------------------------------------|
00782> #----------------|-------------------------------------------------------------|
00783>  001:0126---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00784>       ADD HYD             04:NE_DIT     27.90    1.493 No_date    1:36   20.43  n/a
00785>                         + 06:Ext-9       7.00     .152 No_date    1:50   10.77  n/a
00786>        [DT= 1.00]  SUM=  05:21A       34.90    1.618 No_date    1:37   18.50  n/a
00787>  001:0127---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00788>       CALIB NASHYD        04:Ext-10     27.90     .379 No_date    1:55    7.59 .130
00789>        [CN= 49.4: N= 3.00]
00790>        [Tp=  .42:DT= 5.00]
00791>  001:0128---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00792>       CALIB NASHYD        03:Ext-11      3.90     .244 No_date    1:23   16.34 .281
00793>        [CN= 73.0: N= 3.00]
00794>        [Tp=  .08:DT= 1.00]
00795>  001:0129---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00796>       CALIB NASHYD        06:Ext-12      5.20     .358 No_date    1:29   20.07 .345
00797>        [CN= 79.0: N= 3.00]
00798>        [Tp=  .12:DT= 1.00]
00799> #----------------|-------------------------------------------------------------|
00800> #----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
00801> #----------------|-------------------------------------------------------------|
00802> #----------------|-------------------------------------------------------------|
00803>  001:0130---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
00804>       ADD HYD             01:EXT-5       5.20     .381 No_date    1:25   20.07  n/a
00805>                         + 02:900mm     31.20     .786 No_date    2:14   24.67  n/a
00806>                         + 04:Ext-10    27.90     .379 No_date    1:55    7.59  n/a
00807>                         + 03:Ext-11     3.90     .244 No_date    1:23   16.34  n/a
00808>                         + 06:Ext-12     5.20     .358 No_date    1:29   20.07  n/a
00809>        [DT= 1.00]  SUM=  05:WET-ST    73.40    1.501 No_date    1:34   17.08  n/a
00810>  001:0131---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
```

```
      ROUTE RESERVOIR -> 05:WET-ST    73.40    1.501 No_date    1:34   17.08  n/a
        [RDT= 1.00] out<- 04:22       73.40     .374 No_date    4:14   17.08  n/a
                  overflow <= 06:OVF      .00     .000 No_date    0:00     .00  n/a
        [MxStoUsed=.7296E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0132----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       03:Ext-10     4.90     .061 No_date    1:35    4.65 .080
        [CN= 36.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0133----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            03:Ext-10     4.90     .061 No_date    1:35    4.65  n/a
                       + 04:22        73.40     .374 No_date    4:14   17.08  n/a
        [DT= 1.00]  SUM= 05:22        78.30     .380 No_date    4:00   16.30  n/a
#-----------------|-------------------------------------------------------------|
#-----------------|----------25YR-----------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0134----------------------------------------------------------------------
      CHICAGO STORM
        [SDT=10.00:SDUR=    4.00:PTOT=  68.79]
        [A/B/C=2004.494/  14.438/    .859: R=.9957)
#-----------------|-------------------------------------------------------------|
#-----------------|----------POST-DEVELOPMENT-----------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0135----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       02:EXT-1      3.50     .330 No_date    1:29   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .13:DT= 1.00]
 001:0136----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       03:INT-3       .20     .017 No_date    1:30   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0137----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:UNC-1       .80     .072 No_date    1:35   30.99 .450
        [CN= 79.0: N= 3.00]
        [Tp=  .21:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT     |
#-----------------|-------------------------------------------------------------|
 001:0138----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            02:EXT-1      3.50     .330 No_date    1:29   27.36  n/a
                       + 03:INT-3       .20     .017 No_date    1:30   27.36  n/a
                       + 04:UNC-1       .80     .072 No_date    1:35   30.99  n/a
        [DT= 1.00]  SUM= 01:800mm      4.50     .418 No_date    1:30   28.01  n/a
#-----------------|-------------------------------------------------------------|
 001:0139----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       05:EXT-2      4.10     .397 No_date    1:27   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
#-----------------|-------------------------------------------------------------|
 001:0140----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       08:EXT-3      2.20     .207 No_date    1:29   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .13:DT= 1.00]
 001:0141----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB STANDHYD     06:INT-2      3.00     .195 No_date    1:40   31.76 .462
        [XIMP=.13:TIMP=.29]
        [LOSS= 2 :CN= 69.0]
        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=    .0]
        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=    .0]
 001:0142----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       07:INT-4       .60     .051 No_date    1:30   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0143----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB STANDHYD     09:INT-1      9.90     .751 No_date    1:50   41.75 .607
        [XIMP=.19:TIMP=.37]
        [LOSS= 2 :CN= 79.0]
        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=    .0]
        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=    .0]
#-----------------|-------------------------------------------------------------|
 001:0144----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:EXT-4      2.60     .252 No_date    1:27   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
 001:0145----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       01:EXT-5      5.20     .543 No_date    1:25   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .10:DT= 1.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
#-----------------|-------------------------------------------------------------|
 001:0146----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            05:EXT-2      4.10     .397 No_date    1:27   27.36  n/a
                       + 08:EXT-3      2.20     .207 No_date    1:29   27.36  n/a
                       + 06:INT-2      3.00     .195 No_date    1:40   31.76  n/a
                       + 07:INT-4       .60     .051 No_date    1:30   27.36  n/a
                       + 09:INT-1      9.90     .751 No_date    1:50   41.75  n/a
                       + 04:EXT-4      2.60     .252 No_date    1:27   27.36  n/a
                       + 01:EXT-5      5.20     .543 No_date    1:25   27.36  n/a
        [DT= 1.00]  SUM= 03:POOL1     27.60    2.027 No_date    1:31   33.00  n/a
#-----------------|-------------------------------------------------------------|
 001:0147----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ROUTE RESERVOIR -> 03:POOL1     27.60    2.027 No_date    1:31   33.00  n/a
        [RDT= 1.00] out<- 06:POOL     27.60     .540 No_date    2:52   33.00  n/a
                  overflow <= 07:OVF1     .00     .000 No_date    0:00     .00  n/a
        [MxStoUsed=.5054E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0148----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       10:UNC-2      1.50     .169 No_date    1:30   34.43 .501
        [CN= 82.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0149----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:UNC-3s     2.10     .144 No_date    1:30   22.63 .329
        [CN= 73.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT      |
#-----------------|-------------------------------------------------------------|
 001:0150----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            04:UNC-3s     2.10     .144 No_date    1:30   22.63  n/a
                       + 06:POOL      27.60     .540 No_date    2:52   33.00  n/a
                       + 07:OVF1        .00     .000 No_date    0:00     .00  n/a
                       + 10:UNC-2      1.50     .169 No_date    1:30   34.43  n/a
        [DT= 1.00]  SUM= 02:900mm     31.20    .587 No_date    2:39   32.37  n/a
 001:0151----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       08:INT-5       .10     .009 No_date    1:30   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0152----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       06:UNC-4s     3.00     .268 No_date    1:35   30.99 .450
        [CN= 79.0: N= 3.00]
        [Tp=  .21:DT= 5.00]
 001:0153----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       07:Ext-6      6.00     .454 No_date    1:37   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .22:DT= 1.00]
 001:0154----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       09:Ext-7      6.00     .582 No_date    1:27   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
 001:0155----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       10:Ext-8     12.80     .890 No_date    1:41   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .26:DT= 1.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH           |
#-----------------|-------------------------------------------------------------|
 001:0156----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            06:UNC-4s     3.00     .268 No_date    1:35   30.99  n/a
                       + 08:INT-5       .10     .009 No_date    1:30   27.36  n/a
                       + 10:Ext-8     12.80     .890 No_date    1:41   27.36  n/a
        [DT= 1.00]  SUM= 03:NE_DIT    27.90    2.077 No_date    1:35   27.76  n/a
 001:0157----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            07:Ext-6      6.00     .454 No_date    1:37   27.36  n/a
                       + 03:NE_DIT     3.10     .277 No_date    1:35   30.87  n/a
                       + 09:Ext-7      6.00     .582 No_date    1:27   27.36  n/a
                       + 10:Ext-8     12.80     .890 No_date    1:41   27.36  n/a
        [DT= 1.00]  SUM= 04:NE_DIT    27.90    2.077 No_date    1:35   27.76  n/a
 001:0158----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       06:Ext-9      7.00     .217 No_date    1:50   15.26 .222
        [CN= 60.0: N= 3.00]
        [Tp=  .35:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow---------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0159----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            04:NE_DIT     27.90    2.077 No_date    1:35   27.76  n/a
                       + 06:Ext-9      7.00     .217 No_date    1:50   15.26  n/a
        [DT= 1.00]  SUM= 05:21A       34.90    2.257 No_date    1:35   25.25  n/a
 001:0160----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:Ext-10     27.90    .550 No_date    1:55   10.90 .158
        [CN= 49.4: N= 3.00]
        [Tp=  .42:DT= 5.00]
 001:0161----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       03:Ext-11     3.90     .355 No_date    1:23   22.63 .329
        [CN= 73.0: N= 3.00]
        [Tp=  .08:DT= 1.00]
 001:0162----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       06:Ext-12     5.20     .504 No_date    1:27   27.36 .398
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA-------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0163----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            01:EXT-5      5.20     .543 No_date    1:25   27.36  n/a
                       + 02:900mm     31.20     .587 No_date    2:39   32.37  n/a
                       + 04:Ext-10    27.90     .550 No_date    1:55   10.90  n/a
                       + 03:Ext-11     3.90     .355 No_date    1:23   22.63  n/a
                       + 06:Ext-12     5.20     .504 No_date    1:27   27.36  n/a
        [DT= 1.00]  SUM= 05:WET-ST    73.40    2.051 No_date    1:31   22.98  n/a
 001:0164----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ROUTE RESERVOIR -> 05:WET-ST    73.40    2.051 No_date    1:31   22.98  n/a
        [RDT= 1.00] out<- 04:22       73.40     .412 No_date    4:43   22.98  n/a
                  overflow <= 06:OVF      .00     .000 No_date    0:00     .00  n/a
        [MxStoUsed=.8853E+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
 001:0165----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       03:Ext-10     4.90     .090 No_date    1:30    6.77 .098
        [CN= 36.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------|
#-----------------|-------------------------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0166----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            03:Ext-10     4.90     .090 No_date    1:30    6.77  n/a
                       + 04:22        73.40     .412 No_date    4:43   22.98  n/a
        [DT= 1.00]  SUM= 05:22        78.30     .415 No_date    4:03   21.97  n/a
#-----------------|-------------------------------------------------------------|
#-----------------|----------50YR-----------------------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0167----------------------------------------------------------------------
      CHICAGO STORM
        [SDT=10.00:SDUR=    4.00:PTOT=  75.40]
        [A/B/C=2171.774/  14.262/    .857: R=.9956)
#-----------------|-------------------------------------------------------------|
#-----------------|----------POST-DEVELOPMENT-----------------------------------|
#-----------------|-------------------------------------------------------------|
 001:0168----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       02:EXT-1      3.50     .395 No_date    1:28   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .13:DT= 1.00]
 001:0169----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       03:INT-3       .20     .020 No_date    1:30   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0170----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:UNC-1       .80     .084 No_date    1:30   35.94 .477
        [CN= 79.0: N= 3.00]
        [Tp=  .21:DT= 5.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT      |
#-----------------|-------------------------------------------------------------|
 001:0171----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      ADD HYD            02:EXT-1      3.50     .395 No_date    1:28   32.18  n/a
                       + 03:INT-3       .20     .020 No_date    1:30   32.18  n/a
                       + 04:UNC-1       .80     .084 No_date    1:30   35.94  n/a
        [DT= 1.00]  SUM= 01:800mm      4.50     .497 No_date    1:30   32.85  n/a
#-----------------|-------------------------------------------------------------|
 001:0172----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       05:EXT-2      4.10     .477 No_date    1:27   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
#-----------------|-------------------------------------------------------------|
 001:0173----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       08:EXT-3      2.20     .248 No_date    1:28   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .13:DT= 1.00]
 001:0174----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB STANDHYD     06:INT-2      3.00     .229 No_date    1:40   36.45 .483
        [XIMP=.13:TIMP=.29]
        [LOSS= 2 :CN= 69.0]
        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=    .0]
        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=    .0]
 001:0175----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       07:INT-4       .60     .061 No_date    1:30   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .17:DT= 5.00]
 001:0176----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB STANDHYD     09:INT-1      9.90     .905 No_date    1:45   47.35 .628
        [XIMP=.19:TIMP=.37]
        [LOSS= 2 :CN= 79.0]
        [Pervious     area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=    .0]
        [Impervious   area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=    .0]
#-----------------|-------------------------------------------------------------|
 001:0177----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       04:EXT-4      2.60     .302 No_date    1:27   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .12:DT= 1.00]
 001:0178----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
      CALIB NASHYD       01:EXT-5      5.20     .653 No_date    1:24   32.18 .427
        [CN= 79.0: N= 3.00]
        [Tp=  .10:DT= 1.00]
#-----------------|-------------------------------------------------------------|
#-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR          |
#-----------------|-------------------------------------------------------------|
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01081>  001:0179---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01082>       ADD HYD             05:EXT-2      4.10     .477 No_date    1:27   32.18  n/a
01083>                         + 08:EXT-3      2.20     .248 No_date    1:28   32.18  n/a
01084>                         + 06:INT-2      3.00     .229 No_date    1:40   36.45  n/a
01085>                         + 07:INT-4       .60     .061 No_date    1:30   32.18  n/a
01086>                         + 09:INT-1      9.90     .905 No_date    1:45   47.35  n/a
01087>                         + 04:EXT-4      2.60     .302 No_date    1:27   32.18  n/a
01088>                         + 01:EXT-5      5.20     .653 No_date    1:24   32.18  n/a
01089>         [DT= 1.00]  SUM= 03:POOL1      27.60    2.507 No_date    1:31   38.09  n/a
01090> #-----------------|-------------------------------------------------------------|
01091>  001:0180---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01092>       ROUTE RESERVOIR -> 03:POOL1      27.60    2.507 No_date    1:31   38.09  n/a
01093>         [RDT= 1.00] out<- 06:POOL      26.34    1.090 No_date    1:51   38.09  n/a
01094>                 overflow <= 07:OVF1     1.26     .731 No_date    1:51   38.09  n/a
01095>       [MxStoUsed=.3600E+00, TotOvfVol=.4816E-01, N-Ovf=    2, TotDurOvf=    0.hrs
01096>  001:0181---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01097>       CALIB NASHYD        10:UNC-2      1.50     .197 No_date    1:30   39.69 .526
01098>         [CN= 82.0: N= 3.00]
01099>         [Tp=  .17:DT= 5.00]
01100>  001:0182---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01101>       CALIB NASHYD        04:UNC-3s     2.10     .173 No_date    1:30   26.84 .356
01102>         [CN= 73.0: N= 3.00]
01103>         [Tp=  .17:DT= 5.00]
01104> #-----------------|-------------------------------------------------------------|
01105> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
01106> #-----------------|-------------------------------------------------------------|
01107>  001:0183---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01108>       ADD HYD             04:UNC-3s     2.10     .173 No_date    1:30   26.84  n/a
01109>                         + 06:POOL      26.34    1.090 No_date    1:51   38.09  n/a
01110>                         + 07:OVF1       1.26     .731 No_date    1:51   38.09  n/a
01111>                         + 10:UNC-2      1.50     .197 No_date    1:30   39.69  n/a
01112>         [DT= 1.00]  SUM= 02:900mm      31.20    2.019 No_date    1:51   37.41  n/a
01113>  001:0184---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01114>       CALIB NASHYD        08:INT-5       .10     .010 No_date    1:30   32.18 .427
01115>         [CN= 79.0: N= 3.00]
01116>         [Tp=  .17:DT= 5.00]
01117>  001:0185---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01118>       CALIB NASHYD        06:UNC-4s     3.00     .314 No_date    1:30   35.94 .477
01119>         [CN= 79.0: N= 3.00]
01120>         [Tp=  .21:DT= 5.00]
01121>  001:0186---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01122>       CALIB NASHYD        07:Ext-6      6.00     .542 No_date    1:36   32.18 .427
01123>         [CN= 79.0: N= 3.00]
01124>         [Tp=  .22:DT= 1.00]
01125>  001:0187---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01126>       CALIB NASHYD        09:Ext-7      6.00     .698 No_date    1:27   32.18 .427
01127>         [CN= 79.0: N= 3.00]
01128>         [Tp=  .12:DT= 1.00]
01129>  001:0188---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01130>       CALIB NASHYD        10:Ext-8     12.80    1.060 No_date    1:40   32.18 .427
01131>         [CN= 79.0: N= 3.00]
01132>         [Tp=  .26:DT= 1.00]
01133> #-----------------|-------------------------------------------------------------|
01134> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01135> #-----------------|-------------------------------------------------------------|
01136>  001:0189---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01137>       ADD HYD             06:UNC-4s     3.00     .314 No_date    1:30   35.94  n/a
01138>                         + 08:INT-5       .10     .010 No_date    1:30   32.18  n/a
01139>         [DT= 5.00]  SUM= 03:NE_DIT      3.10     .325 No_date    1:30   35.82  n/a
01140> #-----------------|-------------------------------------------------------------|
01141>  001:0190---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01142>       ADD HYD             07:Ext-6      6.00     .542 No_date    1:36   32.18  n/a
01143>                         + 03:NE_DIT     3.10     .325 No_date    1:30   35.82  n/a
01144>                         + 09:Ext-7      6.00     .698 No_date    1:27   32.18  n/a
01145>                         + 10:Ext-8     12.80    1.060 No_date    1:40   32.18  n/a
01146>         [DT= 1.00]  SUM= 04:NE_DIT     27.90    2.471 No_date    1:35   32.59  n/a
01147>  001:0191---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01148>       CALIB NASHYD        06:Ext-9      7.00     .263 No_date    1:45   18.34 .243
01149>         [CN= 60.0: N= 3.00]
01150>         [Tp=  .35:DT= 5.00]
01151> #-----------------|-------------------------------------------------------------|
01152> #-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------  |
01153> #-----------------|-------------------------------------------------------------|
01154> #-----------------|-------------------------------------------------------------|
01155>  001:0192---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01156>       ADD HYD             04:NE_DIT     27.90    2.471 No_date    1:35   32.59  n/a
01157>                         + 06:Ext-9      7.00     .263 No_date    1:45   18.34  n/a
01158>         [DT= 1.00]  SUM= 05:21A        34.90    2.693 No_date    1:35   29.73  n/a
01159>  001:0193---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01160>       CALIB NASHYD        04:Ext-10     27.90     .671 No_date    1:55   13.21 .175
01161>         [CN= 49.4: N= 3.00]
01162>         [Tp=  .42:DT= 5.00]
01163>  001:0194---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01164>       CALIB NASHYD        03:Ext-11      3.90     .431 No_date    1:23   26.84 .356
01165>         [CN= 73.0: N= 3.00]
01166>         [Tp=  .08:DT= 1.00]
01167>  001:0195---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01168>       CALIB NASHYD        06:Ext-12      5.20     .605 No_date    1:27   32.18 .427
01169>         [CN= 79.0: N= 3.00]
01170>         [Tp=  .12:DT= 1.00]
01171> #-----------------|-------------------------------------------------------------|
01172> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA--------|
01173> #-----------------|-------------------------------------------------------------|
01174> #-----------------|-------------------------------------------------------------|
01175>  001:0196---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01176>       ADD HYD             01:EXT-5       5.20     .653 No_date    1:24   32.18  n/a
01177>                         + 02:900mm      31.20    2.019 No_date    1:51   37.41  n/a
01178>                         + 04:Ext-10     27.90     .671 No_date    1:55   13.21  n/a
01179>                         + 03:Ext-11      3.90     .431 No_date    1:23   26.84  n/a
01180>                         + 06:Ext-12      5.20     .605 No_date    1:27   32.18  n/a
01181>         [DT= 1.00]  SUM= 05:WET-ST      73.40    3.324 No_date    1:51   26.91  n/a
01182>  001:0197---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01183>       ROUTE RESERVOIR -> 05:WET-ST      73.40    3.324 No_date    1:51   26.91  n/a
01184>         [RDT= 1.00] out<- 04:22         73.40     .485 No_date    4:16   26.91  n/a
01185>                 overflow <= 06:OVF      .00       .000 No_date    0:00    .00   n/a
01186>       [MxStoUsed=.1313E+01, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
01187>  001:0198---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01188>       CALIB NASHYD        03:Ext-10      4.90     .112 No_date    1:30    8.27 .110
01189>         [CN= 36.0: N= 3.00]
01190>         [Tp=  .17:DT= 5.00]
01191> #-----------------|-------------------------------------------------------------|
01192> #-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW ---------  |
01193> #-----------------|-------------------------------------------------------------|
01194> #-----------------|-------------------------------------------------------------|
01195>  001:0199---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01196>       ADD HYD             03:Ext-10      4.90     .112 No_date    1:30    8.27  n/a
01197>                         + 04:22         73.40     .485 No_date    4:16   26.91  n/a
01198>         [DT= 1.00]  SUM= 05:22          78.30     .496 No_date    4:00   25.74  n/a
01199> #-----------------|-------------------------------------------------------------|
01200> #-----------------|-----------100YR-----------------------------------------------|
01201> #-----------------|-------------------------------------------------------------|
01202>  001:0200---------------------------------------------------------------------------
01203>       CHICAGO STORM
01204>         [SDT=10.00:SDUR=   4.00:PTOT=  84.33)
01205>         (A/B/C=2435.365/  15.071/    .857: R=.9959)
01206> #-----------------|-------------------------------------------------------------|
01207> #-----------------|-----------POST-DEVELOPMENT-------------------------------------|
01208> #-----------------|-------------------------------------------------------------|
01209>  001:0201---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01210>       CALIB NASHYD        02:EXT-1       3.50     .478 No_date    1:28   38.95 .462
01211>         [CN= 79.0: N= 3.00]
01212>         [Tp=  .13:DT= 1.00]
01213>  001:0202---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01214>       CALIB NASHYD        03:INT-3        .20     .025 No_date    1:30   38.94 .462
01215>         [CN= 79.0: N= 3.00]
01216>         [Tp=  .17:DT= 5.00]
01217>  001:0203---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01218>       CALIB NASHYD        04:UNC-1        .80     .100 No_date    1:30   42.85 .508
01219>         [CN= 79.0: N= 3.00]
01220>         [Tp=  .21:DT= 5.00]
01221> #-----------------|-------------------------------------------------------------|
01222> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 800mm CULVERT       |
01223> #-----------------|-------------------------------------------------------------|
01224>  001:0204---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01225>       ADD HYD             02:EXT-1       3.50     .478 No_date    1:28   38.95  n/a
01226>                         + 03:INT-3        .20     .025 No_date    1:30   38.94  n/a
01227>                         + 04:UNC-1        .80     .100 No_date    1:30   42.85  n/a
01228>         [DT= 1.00]  SUM= 01:800mm       4.50     .598 No_date    1:30   39.64  n/a
01229> #-----------------|-------------------------------------------------------------|
01230>  001:0205---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01231>       CALIB NASHYD        05:EXT-2       4.10     .577 No_date    1:26   38.95 .462
01232>         [CN= 79.0: N= 3.00]
01233>         [Tp=  .12:DT= 1.00]
01234> #-----------------|-------------------------------------------------------------|
01235>  001:0206---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01236>       CALIB NASHYD        08:EXT-3       2.20     .300 No_date    1:28   38.95 .462
01237>         [CN= 79.0: N= 3.00]
01238>         [Tp=  .13:DT= 1.00]
01239>  001:0207---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01240>       CALIB STANDHYD      06:INT-2       3.00     .274 No_date    1:40   43.02 .510
01241>         [XIMP=.13:TIMP=.29]
01242>         [LOSS= 2 :CN= 69.0]
01243>         [Pervious      area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01244>         [Impervious    area: IAimp= 2.00:SLPI=2.00:LGI= 290.:MNI=.130:SCI=   .0]
01245>  001:0208---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01246>       CALIB NASHYD        07:INT-4        .60     .074 No_date    1:30   38.95 .462
01247>         [CN= 79.0: N= 3.00]
01248>         [Tp=  .17:DT= 5.00]
01249>  001:0209---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01250>       CALIB STANDHYD      09:INT-1       9.90    1.068 No_date    1:45   55.06 .653
01251>         [XIMP=.19:TIMP=.37]
01252>         [LOSS= 2 :CN= 79.0]
01253>         [Pervious      area: IAper= 5.00:SLPP=2.00:LGP=  65.:MNP=.150:SCP=   .0]
01254>         [Impervious    area: IAimp= 2.00:SLPI=2.00:LGI= 500.:MNI=.130:SCI=   .0]
01255> #-----------------|-------------------------------------------------------------|
01256>  001:0210---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01257>       CALIB NASHYD        04:EXT-4       2.60     .366 No_date    1:26   38.95 .462
01258>         [CN= 79.0: N= 3.00]
01259>         [Tp=  .12:DT= 1.00]
01260>  001:0211---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01261>       CALIB NASHYD        01:EXT-5       5.20     .791 No_date    1:24   38.95 .462
01262>         [CN= 79.0: N= 3.00]
01263>         [Tp=  .10:DT= 1.00]
01264> #-----------------|-------------------------------------------------------------|
01265> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE RESERVOIR           |
01266> #-----------------|-------------------------------------------------------------|
01267>  001:0212---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01268>       ADD HYD             05:EXT-2       4.10     .577 No_date    1:26   38.95  n/a
01269>                         + 08:EXT-3       2.20     .300 No_date    1:28   38.95  n/a
01270>                         + 06:INT-2       3.00     .274 No_date    1:40   43.02  n/a
01271>                         + 07:INT-4        .60     .074 No_date    1:30   38.95  n/a
01272>                         + 09:INT-1       9.90    1.068 No_date    1:45   55.06  n/a
01273>                         + 04:EXT-4       2.60     .366 No_date    1:26   38.95  n/a
01274>                         + 01:EXT-5       5.20     .791 No_date    1:24   38.95  n/a
01275>         [DT= 1.00]  SUM= 03:POOL1       27.60    2.996 No_date    1:31   45.17  n/a
01276> #-----------------|-------------------------------------------------------------|
01277>  001:0213---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01278>       ROUTE RESERVOIR -> 03:POOL1      27.60    2.996 No_date    1:31   45.17  n/a
01279>         [RDT= 1.00] out<- 06:POOL      27.60     .651 No_date    2:54   45.17  n/a
01280>                 overflow <= 07:OVF1     .00       .000 No_date    0:00    .00   n/a
01281>       [MxStoUsed=.71475+00, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
01282>  001:0214---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01283>       CALIB NASHYD        10:UNC-2       1.50     .231 No_date    1:30   47.00 .557
01284>         [CN= 82.0: N= 3.00]
01285>         [Tp=  .17:DT= 5.00]
01286>  001:0215---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01287>       CALIB NASHYD        04:UNC-3s      2.10     .212 No_date    1:30   32.83 .389
01288>         [CN= 73.0: N= 3.00]
01289>         [Tp=  .17:DT= 5.00]
01290> #-----------------|-------------------------------------------------------------|
01291> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE 900mm CULVERT       |
01292> #-----------------|-------------------------------------------------------------|
01293>  001:0216---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01294>       ADD HYD             04:UNC-3s      2.10     .212 No_date    1:30   32.83  n/a
01295>                         + 06:POOL      27.60     .651 No_date    2:54   45.17  n/a
01296>                         + 07:OVF1       .00       .000 No_date    0:00    .00   n/a
01297>                         + 10:UNC-2      1.50     .231 No_date    1:30   47.00  n/a
01298>         [DT= 1.00]  SUM= 02:900mm      31.20     .858 No_date    1:35   44.43  n/a
01299>  001:0217---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01300>       CALIB NASHYD        08:INT-5        .10     .012 No_date    1:30   38.94 .462
01301>         [CN= 79.0: N= 3.00]
01302>         [Tp=  .17:DT= 5.00]
01303>  001:0218---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01304>       CALIB NASHYD        06:UNC-4s      3.00     .374 No_date    1:30   42.85 .508
01305>         [CN= 79.0: N= 3.00]
01306>         [Tp=  .21:DT= 5.00]
01307>  001:0219---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01308>       CALIB NASHYD        07:Ext-6       6.00     .657 No_date    1:36   38.95 .462
01309>         [CN= 79.0: N= 3.00]
01310>         [Tp=  .22:DT= 1.00]
01311>  001:0220---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01312>       CALIB NASHYD        09:Ext-7       6.00     .845 No_date    1:26   38.95 .462
01313>         [CN= 79.0: N= 3.00]
01314>         [Tp=  .12:DT= 1.00]
01315>  001:0221---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01316>       CALIB NASHYD        10:Ext-8      12.80    1.286 No_date    1:40   38.95 .462
01317>         [CN= 79.0: N= 3.00]
01318>         [Tp=  .26:DT= 1.00]
01319> #-----------------|-------------------------------------------------------------|
01320> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO THE NE DITCH            |
01321> #-----------------|-------------------------------------------------------------|
01322>  001:0222---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01323>       ADD HYD             06:UNC-4s      3.00     .374 No_date    1:30   42.85  n/a
01324>                         + 08:INT-5        .10     .012 No_date    1:30   38.94  n/a
01325>         [DT= 5.00]  SUM= 03:NE_DIT      3.10     .386 No_date    1:30   42.73  n/a
01326> #-----------------|-------------------------------------------------------------|
01327>  001:0223---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01328>       ADD HYD             07:Ext-6       6.00     .657 No_date    1:36   38.95  n/a
01329>                         + 03:NE_DIT     3.10     .386 No_date    1:30   42.73  n/a
01330>                         + 09:Ext-7      6.00     .845 No_date    1:26   38.95  n/a
01331>                         + 10:Ext-8     12.80    1.286 No_date    1:40   38.95  n/a
01332>         [DT= 1.00]  SUM= 04:NE_DIT     27.90    2.989 No_date    1:35   39.37  n/a
01333>  001:0224---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01334>       CALIB NASHYD        06:Ext-9       7.00     .328 No_date    1:45   22.80 .270
01335>         [CN= 60.0: N= 3.00]
01336>         [Tp=  .35:DT= 5.00]
01337> #-----------------|-------------------------------------------------------------|
01338> #-----------------|  THE ADD HYD BELOW MODELS Subwatershed 21A Outflow--------  |
01339> #-----------------|-------------------------------------------------------------|
01340> #-----------------|-------------------------------------------------------------|
01341>  001:0225---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01342>       ADD HYD             04:NE_DIT     27.90    2.989 No_date    1:35   39.37  n/a
01343>                         + 06:Ext-9      7.00     .328 No_date    1:45   22.80  n/a
01344>         [DT= 1.00]  SUM= 05:21A        34.90    3.267 No_date    1:35   36.05  n/a
01345>  001:0226---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01346>       CALIB NASHYD        04:Ext-10     27.90     .843 No_date    1:55   16.59 .197
01347>         [CN= 49.4: N= 3.00]
01348>         [Tp=  .42:DT= 5.00]
01349>  001:0227---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01350>       CALIB NASHYD        03:Ext-11      3.90     .525 No_date    1:23   32.83 .389
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01351>       [CN= 73.0: N= 3.00]
01352>       [Tp=  .08:DT= 1.00]
01353>  001:0228----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01354>       CALIB NASHYD       06:Ext-12      5.20     .732 No_date    1:26   38.95 .462
01355>         [CN= 79.0: N= 3.00]
01356>         [Tp=  .12:DT= 1.00]
01357> #-----------------|-------------------------------------------------------------|
01358> #-----------------|  THE ADD HYD BELOW MODELS FLOW INTO EX. STORAGE AREA------|
01359> #-----------------|-------------------------------------------------------------|
01360> #-----------------|-------------------------------------------------------------|
01361>  001:0229----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01362>       ADD HYD            01:EXT-5       5.20     .791 No_date    1:24   38.95  n/a
01363>                        + 02:900mm      31.20     .858 No_date    1:35   44.43  n/a
01364>                        + 04:Ext-10     27.90     .843 No_date    1:55   16.59  n/a
01365>                        + 03:Ext-11      3.90     .525 No_date    1:23   32.82  n/a
01366>                        + 06:Ext-12      5.20     .732 No_date    1:26   38.95  n/a
01367>       [DT= 1.00]  SUM=  05:WET-ST     73.40    3.166 No_date    1:30   32.45  n/a
01368>  001:0230----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01369>       ROUTE RESERVOIR -> 05:WET-ST     73.40    3.166 No_date    1:30   32.45  n/a
01370>         [RDT= 1.00] out<- 04:22        73.40     .489 No_date    5:32   32.45  n/a
01371>                overflow <= 06:OVF        .00     .000 No_date    0:00     .00  n/a
01372>       [MxStoUsed=.1346E+01, TotOvfVol=.0000E+00, N-Ovf=    0, TotDurOvf=    0.hrs
01373>  001:0231----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01374>       CALIB NASHYD       03:Ext-10      4.90     .142 No_date    1:30   10.50 .125
01375>         [CN= 36.0: N= 3.00]
01376>         [Tp=  .17:DT= 5.00]
01377> #-----------------|-------------------------------------------------------------|
01378> #-----------------|  THE ADD HYD BELOW MODELS SUBWATERSHED 22 OUTFLOW --------|
01379> #-----------------|-------------------------------------------------------------|
01380> #-----------------|-------------------------------------------------------------|
01381>  001:0232----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.
01382>       ADD HYD            03:Ext-10      4.90     .142 No_date    1:30   10.50  n/a
01383>                        + 04:22        73.40     .489 No_date    5:32   32.45  n/a
01384>         [DT= 1.00]  SUM=  05:22        78.30     .496 No_date    4:00   31.08  n/a
01385>  001:0233----------------------------------------------------------------------
01386>       FINISH
01387> -------------------------------------------------------------------------------
01388> ********************************************************************************
01389>       WARNINGS / ERRORS / NOTES
01390>       -------------------------
01391>    Simulation ended on 2008-03-10     at 17:12:07
01392> ================================================================================
01393>
01394>
```

EX. FARM LANEWAY

REGRADE TO PROVIDE POSITIVE DRAINAGE FROM SWM POND OUTLET

EX. Top of Slope

EMERGENCY SPILLWAY

EMERGENCY OVERFLOW ELEV 215.90

OUTLET CONTROL MANHOLE

MAINTENANCE ACCESS BERM

1000mmø CSP CULVERT INV 214.80

SEDIMENT FOREBAY

x 213.20

x 213.50 BOTTOM

213.20 MICRO POOL

PP = 214.5

213.5

3:1

4:1

x 216.30

216.30 x

x 217.40

x 214.40

x 217.50

x 216.00

x 217.65

x 217.70

216.30 x

x 217.80

POND OPERATING CHARACTERISTICS	
BOTTOM =	213.50m
PERMANENT POOL =	214.50m
100 YR HWL =	215.95m
TOP OF BANK =	216.30m

BLOCK 67

STREET 'B'

31

32

33

9

11

NOTE: TOPOGRAPHIC SURVEY PER PATTEN & THOMSEN.
(DISPLAYED CONTOUR INTERVAL, 1.0m)

Project
ALTA SUBDIVISION PHASE II
TOWN OF THE BLUE MOUNTAINS

Drawing
PRELIMINARY SWM POND GRADING PLAN

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LAND DEVELOPMENT ENGINEERS
110 PINE STREET
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Drawn By J.R.S. & R.C.G.	Check By K.G.S.	Project No.	119-2528-207
Scale 1:500	Date: 01/25/2008 Rev'd: 03/27/2008	Drawing No.	FIG. 7