BURNSIDE

Appendix B1
Kenny Drain (Existing Condition)

Project Name: Owen Sound Drainage Study
Project No: MCG 10665
Location: Owen Sound
Designer: T. Lozon
Date: 24-May-2007
Date Modified: 14-Oct-2007

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SWMHYMO INPUT TABLE - Kenny Drain Existing Condition

AREA No.	AREA (ha)	CN/CCN	XIMP	TIMP	Tp (hr)	IAper	SLPP	LGP	MNP	IAimp	SLPI	LGI	MNI
Catchment #1 - Agricultural Land Use			N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #1 - Residential Land Use					N/A				0.250	2.0			0.013
Walmart	20.72	76	0.65	0.65	N/A	5.0	4.2	130	0.250	2.0	1.1	371	0.013
Walmart External Area	1.58	78	N/A	N/A	0.11	5.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canadian Tire	3.62	76	0.95	0.95	N/A	5.0	3.0	33	0.250	2.0	1.3	273	0.013
Mall	13.24	76	0.63	0.89	N/A	5.0	1.3	120	0.250	2.0	0.2	293	0.013
Miller East	1.26	76	0.60	0.74	N/A	5.0	1.9	26	0.250	2.0	0.7	73	0.013
Miller West	1.73	76	0.82	0.90	N/A	5.0	1.4	37	0.250	2.0	0.4	120	0.013
Andpet²Commercial	1.10	76	0.95	0.95	N/A	5.0	1.0	10	0.250	2.0	2.0	115	0.013
Union Gas 23rd Street	0.99	76	0.22	0.22	N/A	5.0	3.3	15	0.250	2.0	1.3	90	0.013
Catchment #1	16.29	72	N/A	N/A	0.36	9.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #2a	4.44	77	N/A	N/A	0.19	8.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #2b	5.16	73	N/A	N/A	0.33	9.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #3a	5.11	76	0.55	0.66	N/A	5.0	7.1	28	0.250	2.0	0.4	248	0.013
Catchment #3b	2.82	76	0.81	0.81	N/A	5.0	5.0	40	0.250	2.0	0.8	118	0.013
Catchment #3c	1.14	76	0.45	0.50	N/A	5.0	2.0	50	0.250	2.0	2.5	80	0.013
Catchment #4a	1.86	76	0.75	0.80	N/A	5.0	2.1	24	0.250	2.0	0.7	69	0.013
Catchment #4b	14.53	76	0.25	0.44	N/A	5.0	2.1	73	0.250	2.0	0.3	466	0.013
Catchment #5	15.85	69	0.32	0.47	N/A	8.0	1.5	103	0.250	2.0	1.4	289	0.013
Catchment #6a	3.04	74	N/A	N/A	0.23	8.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #6b	32.10	76	0.20	0.40	N/A	5.0	0.7	135	0.250	2.0	0.7	539	0.013
Catchment #7	2.90	63	0.33	0.38	N/A	6.5	0.6	82	0.250	2.0	0.4	130	0.013
Catchment #8	8.01	76	0.73	0.84	N/A	5.0	1.7	60	0.250	2.0	1.1	95	0.013
Catchment #9	7.85	75	0.42	0.43	N/A	6.0	1.6	96	0.250	2.0	1.7	207	0.013
Catchment #10	17.87	77	N/A	N/A	0.19	9.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #11	4.18	76	0.28	0.36	N/A	5.0	3.0	82	0.250	2.0	0.7	270	0.013
Catchment #12	40.84	67	N/A	N/A	2.09	10.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #13	7.15	74	0.44	0.54	N/A	8.0	1.1	175	0.250	2.0	0.6	80	0.013
Catchment #14	7.52	74	0.32	0.35	N/A	8.0	1.1	175	0.250	2.0	1.8	111	0.013
Catchment #15	18.10	77	N/A	N/A	0.25	8.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #16	30.39	74	N/A	N/A	1.05	8.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #17	19.13	79	N/A	N/A	0.17	8.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #18	12.02	78	N/A	N/A	0.41	8.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #19	1.18	74	N/A	N/A	0.17	8.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Catchment #20	7.54	72	N/A	N/A	0.59	9.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A

AREA The total catchment area (ha)
CN/CCN The composite SCS Curve Number for NASHYD commands, and the pervious SCS Curve Number for STANDHYD commands
XIMP The ratio of the directly connected impervious area
TIMP The ratio of the total impervious area
Tp The time of peak of the unit hydrograph (hrs)
Iaper The composite intital abstraction for NASHYD commands, and the pervious intial abstraction for STANDHYD commands (mm)
SLPP The average pervious surface slope over which runoff travels (%)
LGP The average lot depth or pervious length over which surface water travels along the longest flow path (m)
MNP The representative roughness coefficient for the pervious surface over which water travels before reaching the street or sewer system
Iaimp The impervious intial abstraction for STANDHYD commands (mm)
SLPI The average impervious surface slope over which runoff travels (%)
LGI The impervious travel length of the longest flow path (m)
MNI The average roughness coefficient for the impervious surface over which water travels

F:\10665.9\DESIGN\C\SWM\EX- KENNY DRAIN\[EX-CN,_C,_Tp.xls]Summary

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Walmart

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				7.25
CD				
D				

Total area (ha):	20.72	Pervious CN(I):	57
Pervious area (ha):	7.25	Pervious CN(II):	76
Impervious area (ha):	13.47	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	130	Length (m)	371
h_1 (m)	238.5	h_1 (m)	226
h_2 (m)	233	h_2 (m)	222
Δh (m)	5.5	Δh (m)	4
Slope (%)	4.23	Slope (%)	1.08
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	13.5	65	65
Driveway			
Sidewalk			
Building			
Other			

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Walmart External Area

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C				1.42	0.16	
CD						
D						

Total area (ha):	1.58	Composite CN(i):	60		
Pervious area (ha):	1.42	Composite CN(ii):	78	Composite Ia (mm):	5.2
Impervious area (ha):	0.16	Composite CN(iii):	89		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	176					176
h_1 (m)	230					230
h_2 (m)	227					227
Δh (m)	3					3
Slope (%)	1.70					1.70
x	2.3					N/A
V (m/s)	0.30					N/A
Tc (min)	9.77					9.77
Tc (hr)	0.16					0.16
Tp (hr)	0.11					0.11

x =	Land Cover Coefficient (see below)	
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Canadian Tire

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.18
CD				
D				

Total area (ha):	3.62	Pervious CN(I):	57
Pervious area (ha):	0.18	Pervious CN(II):	76
Impervious area (ha):	3.44	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	33	Length (m)	273
h_1 (m)	221	h_1 (m)	223
h_2 (m)	220	h_2 (m)	219.5
Δh (m)	1	Δh (m)	3.5
Slope (%)	3.03	Slope (%)	1.28
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	3.4	95	95
Driveway			
Sidewalk			
Building			
Other			

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Mall

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				1.5
CD				
D				

Total area (ha):	13.24	Pervious CN(I):	57
Pervious area (ha):	1.50	Pervious CN(II):	76
Impervious area (ha):	11.74	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	120	Length (m)	293
h_1 (m)	220	h_1 (m)	218.5
h_2 (m)	218.5	h_2 (m)	218
Δh (m)	1.5	Δh (m)	0.5
Slope (%)	1.25	Slope (%)	0.17
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	8.3	63	89
Driveway			
Sidewalk			
Building	3.4		
Other			

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Miller East

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.33
CD				
D				

Total area (ha):	1.26	Pervious CN(I):	57
Pervious area (ha):	0.33	Pervious CN(II):	76
Impervious area (ha):	0.93	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	26	Length (m)	73
h_1 (m)	220	h_1 (m)	220
h_2 (m)	219.5	h_2 (m)	219.5
Δh (m)	0.5	Δh (m)	0.5
Slope (%)	1.92	Slope (%)	0.68
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	0.8	60	74
Driveway			
Sidewalk			
Building	0.17		
Other			

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Miller West

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.173
CD				
D				

Total area (ha):	1.73	Pervious CN(I):	57
Pervious area (ha):	0.17	Pervious CN(II):	76
Impervious area (ha):	1.56	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	37	Length (m)	120
h_1 (m)	218.5	h_1 (m)	218.5
h_2 (m)	218	h_2 (m)	218
Δh (m)	0.5	Δh (m)	0.5
Slope (%)	1.35	Slope (%)	0.42
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	1.42	82	90
Driveway			
Sidewalk			
Building	0.14		
Other			

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Andpet Commercial

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.055
CD				
D				

Total area (ha):	1.10	Pervious CN(I):	57
Pervious area (ha):	0.06	Pervious CN(II):	76
Impervious area (ha):	1.05	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	10	Length (m)	115
h_1 (m)	218	h_1 (m)	219.5
h_2 (m)	217.9	h_2 (m)	217.2
Δh (m)	0.1	Δh (m)	2.3
Slope (%)	1.00	Slope (%)	2.00
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	1.0	95	95
Driveway			
Sidewalk			
Building			
Other			

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Union Gas 23rd Street

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.7722
CD				
D				

Total area (ha):	0.99	Pervious CN(I):	57
Pervious area (ha):	0.77	Pervious CN(II):	76
Impervious area (ha):	0.22	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	15	Length (m)	90
h_1 (m)	218.5	h_1 (m)	219
h_2 (m)	218	h_2 (m)	217.8
Δh (m)	0.5	Δh (m)	1.2
Slope (%)	3.33	Slope (%)	1.33
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	0.22	22	22
Driveway			
Sidewalk			
Building			
Other			

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Catchment #1

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	11.4	4.89				
CD						
D						

Total area (ha):	16.29	Composite CN(I):	52		
Pervious area (ha):	16.29	Composite CN(II):	72	Composite Ia (mm):	9.4
Impervious area (ha):	0.00	Composite CN(III):	85		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	665					665
h_1 (m)	236.5					236.5
h_2 (m)	221.5					221.5
Δh (m)	15					15
Slope (%)	2.26					2.26
x	2.3					N/A
V (m/s)	0.35					N/A
Tc (min)	32.09					32.09
Tc (hr)	0.53					0.53
Tp (hr)	0.36					0.36

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #2a

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	1.13	2.65			0.66	
CD						
D						

Total area (ha):	4.44	Composite CN(I):	58		
Pervious area (ha):	3.78	Composite CN(II):	77	Composite Ia (mm):	8.9
Impervious area (ha):	0.66	Composite CN(III):	88		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	109	38	140			287
h_1 (m)	237.5	226.5	225.5			237.5
h_2 (m)	226.5	225.5	219.5			219.5
Δh (m)	11	1	6			18
Slope (%)	10.09	2.63	4.29			6.27
x	0.6	4.6	2.3			N/A
V (m/s)	0.19	0.75	0.48			N/A
Tc (min)	9.53	0.85	4.90			15.28
Tc (hr)	0.16	0.01	0.08			0.25
Tp (hr)	0.11	0.01	0.05			0.17

x = Land Cover Coefficient (see below)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #2b

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	2.58	2.58				
CD						
D						

Total area (ha):	5.16	Composite CN(I):	53		
Pervious area (ha):	5.16	Composite CN(II):	73	Composite Ia (mm):	9.0
Impervious area (ha):	0.00	Composite CN(III):	86		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	136	151				287
h_1 (m)	226	221				226
h_2 (m)	221	218				218
Δh (m)	5	3				8
Slope (%)	3.68	1.99				2.79
x	0.6	2.3				N/A
V (m/s)	0.12	0.32				N/A
Tc (min)	19.70	7.76				27.47
Tc (hr)	0.33	0.13				0.46
Tp (hr)	0.22	0.09				0.31

x =	Land Cover Coefficient (see below)	
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #3a

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				1.74
CD				
D				

Total area (ha):	5.11	Pervious CN(I):	57
Pervious area (ha):	1.74	Pervious CN(II):	76
Impervious area (ha):	3.37	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	28	Length (m)	248
h_1 (m)	220	h_1 (m)	218
h_2 (m)	218	h_2 (m)	217
Δh (m)	2	Δh (m)	1
Slope (%)	7.14	Slope (%)	0.40
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	2.8	55	66
Driveway			
Sidewalk			
Building	0.58		
Other			

Project Name:	Owen Sound Drainage Study
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Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Catchment #3b

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.54
CD				
D				

Total area (ha):	2.82	Pervious CN(I):	57
Pervious area (ha):	0.54	Pervious CN(II):	76
Impervious area (ha):	2.28	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	40	Length (m)	118
h_1 (m)	220	h_1 (m)	218
h_2 (m)	218	h_2 (m)	217
Δh (m)	2	Δh (m)	1
Slope (%)	5.00	Slope (%)	0.85
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	2.3	81	81
Driveway			
Sidewalk			
Building			
Other			

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Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Catchment #3c

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.57
CD				
D				

Total area (ha):	1.14	Pervious CN(I):	57
Pervious area (ha):	0.57	Pervious CN(II):	76
Impervious area (ha):	0.57	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	50	Length (m)	80
h_1 (m)	220.5	h_1 (m)	219
h_2 (m)	219.5	h_2 (m)	217
Δh (m)	1	Δh (m)	2
Slope (%)	2.00	Slope (%)	2.50
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	0.5	45	50
Driveway			
Sidewalk			
Building	0.06		
Other			

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Date:	24-May-2007
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Catchment #4a

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				0.37
CD				
D				

Total area (ha):	1.86	Pervious CN(I):	57
Pervious area (ha):	0.37	Pervious CN(II):	76
Impervious area (ha):	1.49	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	24	Length (m)	69
h_1 (m)	218.5	h_1 (m)	219
h_2 (m)	218	h_2 (m)	218.5
Δh (m)	0.5	Δh (m)	0.5
Slope (%)	2.08	Slope (%)	0.72
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	1.4	75	80
Driveway			
Sidewalk			
Building	0.1		
Other			

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Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Catchment #4b

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				8.09
CD				
D				

Total area (ha):	14.53	Pervious CN(I):	57
Pervious area (ha):	8.09	Pervious CN(II):	76
Impervious area (ha):	6.44	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	73	Length (m)	466
h_1 (m)	217.5	h_1 (m)	217.5
h_2 (m)	216	h_2 (m)	216
Δh (m)	1.5	Δh (m)	1.5
Slope (%)	2.05	Slope (%)	0.32
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	3.6	25	44
Driveway			
Sidewalk			
Building	2.83		
Other			

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Designer:	T. Lozon
Date:	24-May-2007
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Catchment #5

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B		3.1		
BC				
C		5.28		
CD				
D				

Total area (ha):	15.85	Pervious CN(I):	49
Pervious area (ha):	8.38	Pervious CN(II):	69
Impervious area (ha):	7.47	Pervious CN(III):	84

Drainage Area Caiculations

Table 1

Pervious		*Impervious*	
Length (m)	103	Length (m)	289
h_1 (m)	221.5	h_1 (m)	226
h_2 (m)	220	h_2 (m)	222
Δh (m)	1.5	Δh (m)	4
Slope (%)	1.46	Slope (%)	1.38
Ia (mm)	8.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	5.0	32	47
Driveway			
Sidewalk			
Building	2.43		
Other			

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Catchment #6a

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C		3.04				
CD						
D						

Total area (ha):	3.04	Composite CN(I):	54	
Pervious area (ha):	3.04	Composite CN(II):	74	Composite Ia (mm): 8.0
Impervious area (ha):	0.00	Composite CN(III):	87	

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	305					305
h_1 (m)	216					216
h_2 (m)	214					214
Δh (m)	2					2
Slope (%)	0.66					0.66
x	3.0					N/A
V (m/s)	0.24					N/A
Tc (min)	20.92					20.92
Tc (hr)	0.35					0.35
Tp (hr)	0.23					0.23

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
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Location:	Owen Sound
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Date:	24-May-2007
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Catchment #6b

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				19.27
CD				
D				

Total area (ha):	32.10	Pervious CN(I):	57
Pervious area (ha):	19.27	Pervious CN(II):	76
Impervious area (ha):	12.83	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	135	Length (m)	539
h_1 (m)	216	h_1 (m)	218
h_2 (m)	215	h_2 (m)	214
Δh (m)	1	Δh (m)	4
Slope (%)	0.74	Slope (%)	0.74
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	6.5	20	40
Driveway			
Sidewalk			
Building	6.35		
Other			

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Catchment #7

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B	0.54			1.25
BC				
C				
CD				
D				

Total area (ha):	2.90	Pervious CN(I):	42
Pervious area (ha):	1.79	Pervious CN(II):	63
Impervious area (ha):	1.11	Pervious CN(III):	80

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	82	Length (m)	130
h_1 (m)	220	h_1 (m)	220
h_2 (m)	219.5	h_2 (m)	219.5
Δh (m)	0.5	Δh (m)	0.5
Slope (%)	0.61	Slope (%)	0.38
Ia (mm)	6.5	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	1.0	33	38
Driveway			
Sidewalk			
Building	0.15		
Other			

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Date:	24-May-2007
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Catchment #8

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				1.2816
CD				
D				

Total area (ha):	8.01	Pervious CN(I):	57
Pervious area (ha):	1.28	Pervious CN(II):	76
Impervious area (ha):	6.73	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	60	Length (m)	95
h_1 (m)	218.5	h_1 (m)	219
h_2 (m)	217.5	h_2 (m)	218
Δh (m)	1	Δh (m)	1
Slope (%)	1.67	Slope (%)	1.05
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	5.85	73	84
Driveway			
Sidewalk			
Building	0.88		
Other			

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Catchment #9

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C	0.89			3.56
CD				
D				

Total area (ha):	7.85	Pervious CN(I):	56
Pervious area (ha):	4.45	Pervious CN(II):	75
Impervious area (ha):	3.40	Pervious CN(III):	87

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	96	Length (m)	207
h_1 (m)	217	h_1 (m)	218
h_2 (m)	215.5	h_2 (m)	214.5
Δh (m)	1.5	Δh (m)	3.5
Slope (%)	1.56	Slope (%)	1.69
Ia (mm)	6.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	3.3	42	43
Driveway			
Sidewalk			
Building	0.08		
Other			

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Catchment #10

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	10.96			3.65	3.26	
CD						
D						

Total area (ha):	17.87	Composite CN(I):	58		
Pervious area (ha):	14.61	Composite CN(II):	77	Composite Ia (mm):	9.2
Impervious area (ha):	3.26	Composite CN(III):	88		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	208	131				339
h_1 (m)	216	212.5				216
h_2 (m)	212.5	212				212
Δh (m)	3.5	0.5				4
Slope (%)	1.68	0.38				1.18
x	2.3	6.1				N/A
V (m/s)	0.30	0.38				N/A
Tc (min)	11.62	5.79				17.41
Tc (hr)	0.19	0.10				0.29
Tp (hr)	0.13	0.06				0.19

x = Land Cover Coefficient **(see below)**

x =		
	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #11

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C				2.69
CD				
D				

Total area (ha):	4.18	Pervious CN(I):	57
Pervious area (ha):	2.69	Pervious CN(II):	76
Impervious area (ha):	1.49	Pervious CN(III):	88

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	82	Length (m)	270
h_1 (m)	218.5	h_1 (m)	216
h_2 (m)	216	h_2 (m)	214
Δh (m)	2.5	Δh (m)	2
Slope (%)	3.05	Slope (%)	0.74
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	1.2	28	36
Driveway			
Sidewalk			
Building	0.34		
Other			

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Catchment #12

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B	13.62					
BC						
C	26.14				1.08	
CD						
D						

Total area (ha):	40.84	Composite CN(I):	46		
Pervious area (ha):	39.76	Composite CN(II):	67	Composite Ia (mm):	10.1
Impervious area (ha):	1.08	Composite CN(III):	83		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	768					768
h_1 (m)	221					221
h_2 (m)	211					211
Δh (m)	10					10
Slope (%)	1.30					1.30
x	0.6					N/A
V (m/s)	0.07					N/A
Tc (min)	186.96					186.96
Tc (hr)	3.12					3.12
Tp (hr)	2.09					2.09

x = Land Cover Coefficient (**see below**)		
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #13

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C		3.27		
CD				
D				

Total area (ha):	7.15	Pervious CN(I):	54
Pervious area (ha):	3.27	Pervious CN(II):	74
Impervious area (ha):	3.88	Pervious CN(III):	87

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	175	Length (m)	80
h_1 (m)	216	h_1 (m)	212
h_2 (m)	214	h_2 (m)	211.5
Δh (m)	2	Δh (m)	0.5
Slope (%)	1.14	Slope (%)	0.63
Ia (mm)	8.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	3.1	44	54
Driveway			
Sidewalk			
Building	0.76		
Other			

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #14

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				
BC				
C		4.91		
CD				
D				

Total area (ha):	7.52	Pervious CN(I):	54
Pervious area (ha):	4.91	Pervious CN(II):	74
Impervious area (ha):	2.61	Pervious CN(III):	87

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	175	Length (m)	111
h_1 (m)	215	h_1 (m)	216
h_2 (m)	213	h_2 (m)	214
Δh (m)	2	Δh (m)	2
Slope (%)	1.14	Slope (%)	1.80
Ia (mm)	8.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	2.4	32	35
Driveway			
Sidewalk			
Building	0.19		
Other			

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #15

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C		11.09			1.09	
CD						
D		5.92				

Total area (ha):	18.10	Composite CN(I):	59		
Pervious area (ha):	17.01	Composite CN(II):	77	Composite Ia (mm):	8.1
Impervious area (ha):	1.09	Composite CN(III):	89		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	537					537
h_1 (m)	216.5					216.5
h_2 (m)	200					200
Δh (m)	16.5					16.5
Slope (%)	3.07					3.07
x	2.3					N/A
V (m/s)	0.40					N/A
Tc (min)	22.20					22.20
Tc (hr)	0.37					0.37
Tp (hr)	0.25					0.25

x = Land Cover Coefficient **(see below)**		
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #16

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	10.62	14.6			0.25	
CD						
D		4.92				

Total area (ha):	30.39	Composite CN(I):	55		
Pervious area (ha):	30.14	Composite CN(II):	74	Composite Ia (mm):	8.7
Impervious area (ha):	0.25	Composite CN(III):	87		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	375	429				804
h_1 (m)	216.5	211.5				216.5
h_2 (m)	211.5	200				200
Δh (m)	5	11.5				16.5
Slope (%)	1.33	2.68				2.05
x	0.6	2.3				N/A
V (m/s)	0.07	0.38				N/A
Tc (min)	90.21	18.99				109.20
Tc (hr)	1.50	0.32				1.82
Tp (hr)	1.01	0.21				1.22

x = Land Cover Coefficient (see below)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG t0665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #17

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C		5.03			0.36	
CD						
D		13.74				

Total area (ha):	19.13	Composite CN(I):	61		
Pervious area (ha):	18.77	Composite CN(II):	79	Composite Ia (mm):	8.0
Impervious area (ha):	0.36	Composite CN(III):	90		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	417					417
h_1 (m)	210					210
h_2 (m)	193.5					193.5
Δh (m)	16.5					16.5
Slope (%)	3.96					3.96
x	2.3					N/A
V (m/s)	0.46					N/A
Tc (min)	15.19					15.19
Tc (hr)	0.25					0.25
Tp (hr)	0.17					0.17

x = Land Cover Coefficient **(see below)**		
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #18

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C		6.49			0.71	
CD						
D		4.82				

Total area (ha):	12.02	Composite CN(I):	60		
Pervious area (ha):	11.31	Composite CN(II):	78	Composite Ia (mm):	8.1
Impervious area (ha):	0.71	Composite CN(III):	89		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	848					848
h_1 (m)	212					212
h_2 (m)	188					188
Δh (m)	24					24
Slope (%)	2.83					2.83
x	2.3					N/A
V (m/s)	0.39					N/A
Tc (min)	36.53					36.53
Tc (hr)	0.61					0.61
Tp (hr)	0.41					0.41

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #19

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C		1.18				
CD						
D						

Total area (ha):	1.18	Composite CN(I):	54		
Pervious area (ha):	1.18	Composite CN(II):	74	Composite Ia (mm):	8.0
Impervious area (ha):	0.00	Composite CN(III):	87		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	23					23
h_1 (m)	191.5					191.5
h_2 (m)	188					188
Δh (m)	3.5					3.5
Slope (%)	15.22					15.22
x	2.3					N/A
V (m/s)	0.90					N/A
Tc (min)	0.43					15*
Tc (hr)	0.01					0.25
Tp (hr)	0.00					0.17

*since Tc is less than 15 min assumed to be 15 min

x = Land Cover Coefficient **(see below)**		
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Catchment #20

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C	4.52	3.02				
CD						
D						

Total area (ha):	7.54	Composite CN(I):	52		
Pervious area (ha):	7.54	Composite CN(II):	72	Composite Ia (mm):	9.2
Impervious area (ha):	0.00	Composite CN(III):	86		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	225	158				383
h_1 (m)	188.5	187.5				188.5
h_2 (m)	187.5	181				181
Δh (m)	1	6.5				7.5
Slope (%)	0.44	4.11				1.96
x	0.6	2.3				N/A
V (m/s)	0.04	0.47				N/A
Tc (min)	93.75	5.64				99.39
Tc (hr)	1.56	0.09				1.66
Tp (hr)	1.05	0.06				1.11

x =	Land Cover Coefficient (see below)	
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Miller East -SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218
h_2 (m)	213.5
Δh (m)	4.5
Slope (%)	0.91

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	494					494
x	4.6					N/A
V (m/s)	0.44					N/A
Tc (min)	18.75					18.75
Tc (hr)	0.31					0.31
Tp (hr)	0.21					0.21

x = Land Cover Coefficient (**see below**)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
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Miller East -SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218
h_2 (m)	213.5
Δh (m)	4.5
Slope (%)	0.91

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	494					494
x	4.6					N/A
V (m/s)	0.44					N/A
Tc (min)	18.75					18.75
Tc (hr)	0.31					0.31
Tp (hr)	0.21					0.21

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
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Miller West-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):		
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):	
Impervious area (ha):	0.0	Composite CN(III):		

Drainage Area Calculations

Table 1

h_1 (m)	218.5
h_2 (m)	213.5
Δh (m)	5
Slope (%)	1.22

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	409					409
x	4.6					N/A
V (m/s)	0.51					N/A
Tc (min)	13.40					13.40
Tc (hr)	0.22					0.22
Tp (hr)	0.15					0.15

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
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Catchment #1-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	222
h_2 (m)	216
Δh (m)	6
Slope (%)	0.74

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	815					815
x	4.6					N/A
V (m/s)	0.39					N/A
Tc (min)	34.42					34.42
Tc (hr)	0.57					0.57
Tp (hr)	0.38					0.38

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #2a-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	219.5
h_2 (m)	217.5
Δh (m)	2
Slope (%)	0.33

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	600					600
x	4.6					N/A
V (m/s)	0.27					N/A
Tc (min)	37.65					37.65
Tc (hr)	0.63					0.63
Tp (hr)	0.42					0.42

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #2b-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218
h_2 (m)	216
Δh (m)	2
Slope (%)	0.33

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	600					600
x	4.6					N/A
V (m/s)	0.27					N/A
Tc (min)	37.65					37.65
Tc (hr)	0.63					0.63
Tp (hr)	0.42					0.42

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	14-Oct-2007

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Catchment #3a-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218.5
h_2 (m)	217.5
Δh (m)	1
Slope (%)	0.38

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	262					262
x	4.6					N/A
V (m/s)	0.28					N/A
Tc (min)	15.37					15.37
Tc (hr)	0.26					0.26
Tp (hr)	0.17					0.17

x = Land Cover Coefficient (see below)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #5-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218
h_2 (m)	214
Δh (m)	4
Slope (%)	0.48

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	830					830
x	4.6					N/A
V (m/s)	0.32					N/A
Tc (min)	43.32					43.32
Tc (hr)	0.72					0.72
Tp (hr)	0.48					0.48

x = Land Cover Coefficient **(see below)**

x = 0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
2.3	Short grass pasture (overland flow)
2.7	Cultivated Straight row (overland flow)
3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
4.6	Grassed Waterway
6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #7-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	220
h_2 (m)	214
Δh (m)	6
Slope (%)	0.65

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	925					925
x	4.6					N/A
V (m/s)	0.37					N/A
Tc (min)	41.61					41.61
Tc (hr)	0.69					0.69
Tp (hr)	0.46					0.46

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
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Catchment #8-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	216
h_2 (m)	214
Δh (m)	2
Slope (%)	0.49

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	410					410
x	4.6					N/A
V (m/s)	0.32					N/A
Tc (min)	21.27					21.27
Tc (hr)	0.35					0.35
Tp (hr)	0.24					0.24

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #9-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	214
h_2 (m)	210
Δh (m)	4
Slope (%)	0.83

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	484					484
x	4.6					N/A
V (m/s)	0.42					N/A
Tc (min)	19.29					19.29
Tc (hr)	0.32					0.32
Tp (hr)	0.22					0.22

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Catchment #15b-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	203
h_2 (m)	194
Δh (m)	9
Slope (%)	2.73

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	330					330
x	4.6					N/A
V (m/s)	0.76					N/A
Tc (min)	7.24					7.24
Tc (hr)	0.12					0.12
Tp (hr)	0.08					0.08

x = Land Cover Coefficient (see below)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 2 to Flow Node 3-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	218.5
h_2 (m)	217
Δh (m)	1.5
Slope (%)	0.63

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	240					240
x	4.6					N/A
V (m/s)	0.36					N/A
Tc (min)	11.00					11.00
Tc (hr)	0.18					0.18
Tp (hr)	0.12					0.12

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
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Flow Node 3 to Flow Node 4-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	217
h_2 (m)	214.5
Δh (m)	2.5
Slope (%)	0.64

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	390					390
x	4.6					N/A
V (m/s)	0.37					N/A
Tc (min)	17.65					17.65
Tc (hr)	0.29					0.29
Tp (hr)	0.20					0.20

x = Land Cover Coefficient **(see below)**

0.6	Forest with **H**eavy Ground Litter, hay meadow (overland flow)
1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
2.3	Short grass pasture (overland flow)
2.7	Cultivated Straight row (overland flow)
3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 4 to Flow Node 5-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	214
h_2 (m)	209.5
Δh (m)	4.5
Slope (%)	0.65

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	697					697
x	4.6					N/A
V (m/s)	0.37					N/A
Tc (min)	31.43					31.43
Tc (hr)	0.52					0.52
Tp (hr)	0.35					0.35

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 5 to Flow Node 6-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	209.5
h_2 (m)	200
Δh (m)	9.5
Slope (%)	1.64

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	578					578
x	4.6					N/A
V (m/s)	0.59					N/A
Tc (min)	16.34					16.34
Tc (hr)	0.27					0.27
Tp (hr)	0.18					0.18

x = Land Cover Coefficient (**see below**)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Flow Node 6 to Flow Node 8-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	200
h_2 (m)	193.5
Δh (m)	6.5
Slope (%)	1.29

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	503					503
x	4.6					N/A
V (m/s)	0.52					N/A
Tc (min)	16.03					16.03
Tc (hr)	0.27					0.27
Tp (hr)	0.18					0.18

x = Land Cover Coefficient **(see below)**

0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
2.3	Short grass pasture (overland flow)
2.7	Cultivated Straight row (overland flow)
3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 7 to Flow Node 8-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	210
h_2 (m)	194
Δh (m)	16
Slope (%)	3.49

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	458					458
x	4.6					N/A
V (m/s)	0.86					N/A
Tc (min)	8.88					8.88
Tc (hr)	0.15					0.15
Tp (hr)	0.10					0.10

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 8 to Flow Node 9-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	194
h_2 (m)	188
Δh (m)	6
Slope (%)	1.48

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	405					405
x	4.6					N/A
V (m/s)	0.56					N/A
Tc (min)	12.06					12.06
Tc (hr)	0.20					0.20
Tp (hr)	0.13					0.13

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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Flow Node 9 to Flow Node 10-SHIFT

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC						
C						
CD						
D						

Total area (ha):	0.0	Composite CN(I):	
Pervious area (ha):	0.0	Composite CN(II):	Composite Ia (mm):
Impervious area (ha):	0.0	Composite CN(III):	

Drainage Area Calculations

Table 1

h_1 (m)	188
h_2 (m)	178
Δh (m)	10
Slope (%)	1.90

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	525					525
x	4.6					N/A
V (m/s)	0.63					N/A
Tc (min)	13.78					13.78
Tc (hr)	0.23					0.23
Tp (hr)	0.15					0.15

x = Land Cover Coefficient (**see below**)

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

Project Name:	Owen Sound Drainage Study
Project No:	MCG 10665
Location:	Owen Sound
Designer:	T. Lozon
Date:	24-May-2007
Date Modified:	13-Jun-2007

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External Area 1

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B	19.93	7.96			1.02	
BC						
C						
CD						
D						

Total area (ha):	28.91	Composite CN(I):	39		
Pervious area (ha):	27.89	Composite CN(II):	60	Composite Ia (mm):	9.5
Impervious area (ha):	1.02	Composite CN(III):	78		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	825					825
h_1 (m)	220.5					220.5
h_2 (m)	211					211
Δh (m)	9.5					9.5
Slope (%)	1.15					1.15
x	2.3					N/A
V (m/s)	0.25					N/A
Tc (min)	0.00					0.00
Tc (hr)	0.93					0.93
Tp (hr)	0.62					0.62

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
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External Area 2

SWMHYMO Nashyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)					
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass	Pavement	Water
A						
AB						
B						
BC	6.35					
C	8.18	12.74			2.91	
CD						
D		21.04				

Total area (ha):	51.22	Composite CN(I):	57		
Pervious area (ha):	48.31	Composite CN(II):	76	Composite Ia (mm):	8.7
Impervious area (ha):	2.91	Composite CN(III):	88		

Drainage Area Calculations

Table 1

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	1469					1469
h_1 (m)	214					214
h_2 (m)	188					188
Δh (m)	26					26
Slope (%)	1.77					1.77
x	2.3					N/A
V (m/s)	0.31					N/A
Tc (min)	80.01					80.01
Tc (hr)	1.33					1.33
Tp (hr)	0.89					0.89

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
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Catchment #14

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				3.11
BC				
C				7.08
CD				
D				

Total area (ha):	16.02	Pervious CN(I):	53
Pervious area (ha):	10.19	Pervious CN(II):	73
Impervious area (ha):	5.83	Pervious CN(III):	86

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	174	Length (m)	106
h_1 (m)	188	h_1 (m)	187
h_2 (m)	186	h_2 (m)	185.5
Δh (m)	2	Δh (m)	1.5
Slope (%)	1.15	Slope (%)	1.42
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway		36	36
Driveway			
Sidewalk			
Building	5.82		
Other			

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Designer:	T. Lozon
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External Area 4

SWMHYMO Standhyd Modelling Parameters

Hydrologic Soil Group	Total Area per Various Land Use (ha)			
	Forest/Woodlot	Meadow/Field	Crop	Lawn/Grass
A				
AB				
B				2.21
BC				
C				
CD				
D				

Total area (ha):	3.54	Pervious CN(I):	44
Pervious area (ha):	2.21	Pervious CN(II):	65
Impervious area (ha):	1.33	Pervious CN(III):	81

Drainage Area Calculations

Table 1

Pervious		*Impervious*	
Length (m)	75	Length (m)	85
h_1 (m)	183	h_1 (m)	183
h_2 (m)	182.5	h_2 (m)	182.5
Δh (m)	0.5	Δh (m)	0.5
Slope (%)	0.67	Slope (%)	0.59
Ia (mm)	5.0	Ia (mm)	2.0
Mannings n	0.25	Mannings n	0.013

Table 2

Land Use	*Area (ha)*	*Ximp (%)*	*Timp (%)*
Roadway	0.3	7	38
Driveway			
Sidewalk			
Building	1.06		
Other			

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External Area 1 - SHIFT

Drainage Area Calculations

Table 1

h_1 (m)	210
h_2 (m)	187
Δh (m)	23
Slope (%)	1.77

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	1298					1298
x	4.6					N/A
V (m/s)	0.61					N/A
Tc (min)	35.33					35.33

x = Land Cover Coefficient **(see below)**

x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

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Flow Node 11 to Flow Node 12 - SHIFT

Drainage Area Calculations

Table 1

h_1 (m)	187
h_2 (m)	180
Δh (m)	7
Slope (%)	1.94

Table 2

Parameters	x_1	x_2	x_3	x_4	x_5	*Total*
Length (m)	360					360
x	4.6					N/A
V (m/s)	0.64					N/A
Tc (min)	9.35					9.35

x = Land Cover Coefficient **(see below)**		
x =	0.6	Forest with Heavy Ground Litter, hay meadow (overland flow)
	1.5	Trash Fallow or Minimum Tillage cultivation, strip cropped woodland(overland flow)
	2.3	Short grass pasture (overland flow)
	2.7	Cultivated Straight row (overland flow)
	3.0	Nearly bare untilled (overland flow) or alluvial fans located in the Western mountain Regions
	4.6	Grassed Waterway
	6.1	Paved Areas (sheet flow); small upland gullies

```
2     Metric units
*#*************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
*****************************************************************
*%
*% PRE-DEVELOPMENT CONDITION- KENNY DRAIN
*%
*% THE GAMBSY AND MANNEROW LIMTED SURFACE WATER MANAGEMENT REPORT FOR THE
*% ANDPET SUBDIVISION, 16TH AVENUE EAST, DATED JANUARY 2006, HAS BEEN REFERENCED
*% AND CONVERTED FROM MIDUSS TO SWMHYMO FOR USE IN THIS MODEL.
*% THE GAMBSY AND MANNEROW LIMTED MIDUSS STORMWATER MANAGEMENT MODEL HAS
*% CALCULATED FLOWS FROM 8TH STREET EAST TO 16TH STREET EAST ON 16TH AVENUE EAST
*%
*% 2-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START               TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[1]
*%                    ["2SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
READ STORM          STORM_FILENAME=["STORM.001"]
*%-----------------|-------------------------------------------------------|
*%
*%
*% START OF SYDENHAM SCHOOL STORM SEWER SYSTEM (C-3119)
*%
*% THE CALIB STANDHYD ILLUSTRATED BELOW DESCRIBES POST DEVELOPMENT CATCHMENT
*% AREA FOR SYDENHAM SCHOOL. THE FLOW CALCULATED IN THIS MODEL HAS BEEN
*% VERIFIED WITH THE MIDUSS MODEL CALCULATED BY GAMBSY AND MANNEROW LIMITED AND
*% ALSO BY SYDNEHAM SCHOOL SWMHYMO MODEL.
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[4], NHYD=["TRA7"], DT=[2](min), AREA=[1.82](ha),
                    XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[0.5](%),
                                         LGP=[70](m), MNP=[0.030], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[0.5](%),
                                         LGI=[170](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
*%
*% END OF SYDNEHAM SCHOOL STORM SEWER
*% START OF 8TH STREET EAST STORM SEWER, WEST OF 16th AVENUE (C-3666)
*%
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[1], NHYD=["A8"], DT=[2](min), AREA=[0.279](ha),
                    XIMP=[0.5], TIMP=[0.5], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[82](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[82](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[2], NHYD=["Pipe16"], RNUMBER=[16],
                    PDIAM=[525](mm), PLNGTH=[15](m),
                    PROUGH=[0.013], PSLOPE=[0.02](m/m), IDin=[1],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE POST DEVELOPMENT ROUTED FROM A8
*% TO THE TOTAL ROUTED POST DEVELOPEMENT FLOW FROM TRA7
*%-----------------|-------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["TRA8"], IDs to add=(2+4)
*%-----------------|-------------------------------------------------------|
```



```
CALIB STANDHYD      ID=[4], NHYD=["A9"], DT=[2](min), AREA=[0.284](ha),
                    XIMP=[0.1], TIMP=[0.1], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[4.1](%),
                                         LGP=[100](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[4.1](%),
                                         LGI=[35](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[5], NHYD=["Pipe17"], RNUMBER=[17],
                    PDIAM=[525](mm), PLNGTH=[29](m),
                    PROUGH=[0.013], PSLOPE=[0.02](m/m), IDin=[4],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A8 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A9
*%-----------------|-------------------------------------------------------|
ADD HYD             IDsum=[6], NHYD=["TRA9"], IDs to add=[5+3]
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[7], NHYD=["A10"], DT=[2](min), AREA=[0.591](ha),
                    XIMP=[0.5], TIMP=[0.5], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[3.6](%),
                                         LGP=[150](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[3.6](%),
                                         LGI=[73](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[8], NHYD=["Pipe18"], RNUMBER=[18],
                    PDIAM=[525](mm), PLNGTH=[60](m),
                    PROUGH=[0.013], PSLOPE=[0.02](m/m), IDin=[7],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A9 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A10
*%-----------------|-------------------------------------------------------|
ADD HYD             IDsum=[9], NHYD=["TRA10"], IDs to add=[8+6]
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[1], NHYD=["A11"], DT=[2](min), AREA=[0.825](ha),
                    XIMP=[0.5], TIMP=[0.5], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[3.6](%),
                                         LGP=[150](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[3.6](%),
                                         LGI=[67](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[2], NHYD=["Pipe19"], RNUMBER=[19],
                    PDIAM=[525](mm), PLNGTH=[59](m),
                    PROUGH=[0.013], PSLOPE=[0.02](m/m), IDin=[1],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A10 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A11
*%-----------------|-------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["TRA11"], IDs to add=[9+2]
*%-----------------|-------------------------------------------------------
CALIB STANDHYD      ID=[4], NHYD=["A12"], DT=[2](min), AREA=[0.3](ha),
                    XIMP=[0.2], TIMP=[0.2], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[5.0](%),
                                         LGP=[150](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[5.0](%),
                                         LGI=[58](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[5], NHYD=["Pipe20"], RNUMBER=[20],
```

```
                    PDIAM=[525](mm), PLNGTH=[68.5](m),
                    PROUGH=[0.013], PSLOPE=[0.02](m/m), IDin=[4],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A11 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A12
*%------------------|-------------------------------------------------------|
ADD HYD             IDsum=[6], NHYD=["TRA12"], IDs to add=[5+3]
*%------------------|-------------------------------------------------------
CALIB STANDHYD      ID=[7], NHYD=["A13"], DT=[2](min), AREA=[0.31](ha),
                    XIMP=[0.3], TIMP=[0.3], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[68](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[68](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[8], NHYD=["Pipe21"], RNUMBER=[21],
                    PDIAM=[525](mm), PLNGTH=[52.5](m),
                    PROUGH=[0.013], PSLOPE=[0.019](m/m), IDin=[7],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A12 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A13
*%------------------|-------------------------------------------------------|
ADD HYD             IDsum=[9], NHYD=["TRA13"], IDs to add=[8+6]
*%------------------|-------------------------------------------------------
CALIB STANDHYD      ID=[1], NHYD=["A14"], DT=[2](min), AREA=[0.224](ha),
                    XIMP=[0.3], TIMP=[0.3], DWF=]0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[50](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[50](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[2], NHYD=["Pipe22"], RNUMBER=[22],
                    PDIAM=[600](mm), PLNGTH=[52](m),
                    PROUGH=[0.013], PSLOPE=[0.0125](m/m), IDin=[1],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A13 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A14
*%------------------|-------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["TRA14"], IDs to add=[2+9]
*%------------------|-------------------------------------------------------
CALIB STANDHYD      ID=[4], NHYD=["A15"], DT=[2](min), AREA=[0.236](ha),
                    XIMP=[0.3], TIMP=[0.3], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[77],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[50](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[50](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[5], NHYD=["Pipe23"], RNUMBER=[23],
                    PDIAM=[750](mm), PLNGTH=[10](m),
                    PROUGH=[0.013], PSLOPE=[0.005](m/m), IDin=[4],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT FLOW FROM
*% A14 TO THE ROUTED POST DEVELOPEMENT FLOW FROM A15
*%------------------|-------------------------------------------------------|
ADD HYD             IDsum=[6], NHYD=["TRA15"], IDs to add=[5+3]
*%------------------|-------------------------------------------------------
*%
```



```
*%
*% END OF 8th STREET EAST STORM SEWER
*% START OF AREA SOUTH 8TH STREET EAST
*% CATCHMENT AREA 101
*%
*%------------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[1], NHYD=["A101"], DT=[2](min), AREA=[3.0](ha),
                    XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[1.0](%),
                                         LGP=[150](m), MNP=[0.013], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[1.0](%),
                                         LGI=[150](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[2], NHYD=["Pipe24"], RNUMBER=[24],
                    PDIAM=[900](mm), PLNGTH=[60](m),
                    PROUGH=[0.013], PSLOPE=[0.0075](m/m), IDin=[1],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[3], NHYD=["Pipe25"], RNUMBER=[25],
                    PDIAM=[750](mm), PLNGTH=[36](m),
                    PROUGH=[0.013], PSLOPE=[0.004](m/m), IDin=[2],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT ROUTED FLOW FROM
*% CATCHMENT 101 TO THE TOTAL POST DEVELOPMENT FLOW FROM A15.
*%------------------|-------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD=["TRA101"], IDs to add=[6+3]
*%------------------|-------------------------------------------------------
*%
*%
*% TOTAL COMBINED FLOW FROM SYDNEHAM SCHOOL, 8th STREET EAST (WEST OF 16TH AVE)
*% AND CATCHMENT AREA 101, ROUTED TO 16th AVENUE
*%
*%
*%------------------|-------------------------------------------------------
ROUTE PIPE          PTYPE=[1]circ, IDout=[5], NHYD=["Pipe26"], RNUMBER=[26],
                    PDIAM=[900](mm), PLNGTH=[51](m),
                    PROUGH=[0.013], PSLOPE=[0.0065](m/m), IDin=[4],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*%
*%
*% END OF 8th STREET EAST(WEST OF 16th AVE) STORM SEWER
*% START OF 8th STREET EAST(EAST OF 16th AVE) STORM SEWER
*% CATCHMENT AREA 102
*%
*%
*%------------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[1], NHYD=["A102"], DT=[2](min), AREA=[0.74](ha),
                    XIMP=[0.8], TIMP=[0.8], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[5.0](%),
                                         LGP=[70](m), MNP=[0.013], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[5.0](%),
                                         LGI=[70](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%------------------|-------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[2], NHYD=["Pipe27"], RNUMBER=[27],
                    PDIAM=[375](mm), PLNGTH=[42](m),
                    PROUGH=[0.013], PSLOPE=[0.01](m/m), IDin=[1],
                    RDT=[10](min)
*%------------------|-------------------------------------------------------|
*%
*************************************************************************
*%
```

```
*% TOTAL COMBINED FLOW TO THE INTERSECTION OF 8TH STREET EAST AND 16th AVENUE
*%
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[4], NHYD=["8thSTR"], IDs to add=[5+2]
*%-----------------|-------------------------------------------------------
*%
*************************************************************************
*%
*%
*% START OF 16th AVENUE STORM SEWER (M-1451)
*%
*%
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[5], NHYD=["Pipe28"], RNUMBER=[28],
                   PDIAM=[750](mm), PLNGTH=[87.5](m),
                   PROUGH=[0.013], PSLOPE=[0.0326](m/m), IDin=[4],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD     ID=[6], NHYD=["A103"], DT=[2](min), AREA=[2.55](ha),
                   XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                   SCS curve number CN=[83],
                   Pervious   surfaces: IAper=[5.0](mm), SLPP=[5.0](%),
                                        LGP=[150](m), MNP=[0.013], SCP=[0](hrs),
                   Impervious surfaces: IAimp=[2.0](mm), SLPI=[5.0](%),
                                        LGI=[70](m), MNI=[0.013], SCI=[0](hrs),
                   RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[7], NHYD=["Pipe29"], RNUMBER=[29],
                   PDIAM=[750](mm), PLNGTH=[65](m),
                   PROUGH=[0.013], PSLOPE=[0.028](m/m), IDin=[6],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
*% CONFLUENCE POINT TO RECEIVE OSCVI AREA B ON 16th AVE E
*%
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[8], NHYD=["OSCVIb"], IDs to add=[5+7]
*%-----------------|-------------------------------------------------------|
*%
*%
*% START OSCVI AREA B (C-3854-B)
*%
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD     ID=[9], NHYD=["AREAB"], DT=[2](min), AREA=[6.03](ha),
                   XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                   SCS curve number CN=[83],
                   Pervious   surfaces: IAper=[5.0](mm), SLPP=[3.5](%),
                                        LGP=[55](m), MNP=[0.03], SCP=[0](hrs),
                   Impervious surfaces: IAimp=[2.0](mm), SLPI=[3.0](%),
                                        LGI=[320](m), MNI=[0.013], SCI=[0](hrs),
                   RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
*%
*%
*% TOTAL COMBINED FLOW DOWNSTREAM AND INCLUDING AREA B ON 16th AVENUE EAST
*%
*%
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[1], NHYD=["OSCVI"], IDs to add=[9+8]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[2], NHYD=["Pipe30"], RNUMBER=[30],
                   PDIAM=[900](mm), PLNGTH=[150](m),
                   PROUGH=[0.013], PSLOPE=[0.026](m/m), IDin=[1],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
```



```
*%
*% CALCULATE FLOWS FROM HOSPITAL PROPERTY WEST 16th AVE EAST
*% CATCHMENT 998
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD     ID=[3], NHYD=["HOSP"], DT=[2](min), AREA=[4.59](ha),
                   XIMP=[0.2], TIMP=[0.2], DWF=[0](cms), LOSS=[2],
                   SCS curve number CN=[83],
                   Pervious   surfaces: IAper=[5.0](mm), SLPP=[1.0](%),
                                        LGP=[130](m), MNP=[0.013], SCP=[0](hrs),
                   Impervious surfaces: IAimp=[2.0](mm), SLPI=[1.0](%),
                                        LGI=[300](m), MNI=[0.013], SCI=[0](hrs),
                   RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[4], NHYD=["Pipe31"], RNUMBER=[31],
                   PDIAM=[375](mm), PLNGTH=[117.5](m),
                   PROUGH=[0.013], PSLOPE=[0.06](m/m), IDin=[3],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[5], NHYD=["Pipe32"], RNUMBER=[32],
                   PDIAM=[600](mm), PLNGTH=[70](m),
                   PROUGH=[0.013], PSLOPE=[0.011](m/m), IDin=[4],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
*%
*% COMBINED FLOWS DOWNSTREAM AND INCLUDING HOSPITAL FLOWS ON 16th AVE E
*%
*%
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[6], NHYD=["TOTHSP"], IDs to add=[2+5]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[7], NHYD=["Pipe33"], RNUMBER=[33],
                   PDIAM=[900](mm), PLNGTH=[60](m),
                   PROUGH=[0.013], PSLOPE=[0.043](m/m), IDin=[6],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD     ID=[8], NHYD=["104"], DT=[2](min), AREA=[4.2](ha),
                   XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                   SCS curve number CN=[83],
                   Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                        LGP=[100](m), MNP=[0.013], SCP=[0](hrs),
                   Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                        LGI=[300](m), MNI=[0.013], SCI=[0](hrs),
                   RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
*%
*%
*% TOTAL COMBINED FLOW FROM 16th STREET EAST, SOUTH OF AND INCLUDING
*% CATCHMENT 104
*%
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[9], NHYD=["TOT104"], IDs to add=[7+8]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE         PTYPE=[1]circ, IDout=[1], NHYD=["Pipe34"], RNUMBER=[34],
                   PDIAM=[1200](mm), PLNGTH=[59](m),
                   PROUGH=[0.013], PSLOPE=[0.013](m/m), IDin=[9],
                   RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
*%
*% START OF 10th STREET EAST STORM SEWER
*%
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD     ID=[2], NHYD=["105"], DT=[2](min), AREA=[3.59](ha),
                   XIMP=[0.25], TIMP=[0.25], DWF=[0](cms), LOSS=[2],
```

```
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), [illegible](%),
                                         LGP=[200](m), MNP=[0.013], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[4.0](%),
                                         LGI=[200](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[3], NHYD=["Pipe35"], RNUMBER=[35],
                    PDIAM=[600](mm), PLNGTH=[70](m),
                    PROUGH=[0.013], PSLOPE=[0.0075](m/m), IDin=[2],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[4], NHYD=["Pipe36"], RNUMBER=[36],
                    PDIAM=[600](mm), PLNGTH=[120](m),
                    PROUGH=[0.013], PSLOPE=[0.0105](m/m), IDin=[3],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[5], NHYD=["105.2"], DT=[2](min), AREA=[2.44](ha),
                    XIMP=[0.3], TIMP=[0.3], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[5.0](%),
                                         LGP=[300](m), MNP=[0.013], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[5.0](%),
                                         LGI=[300](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL POST DEVELOPMENT ROUTED FLOW FROM
*% CATCHMENT 105 TO THE TOTAL POST DEVELOPMENT FLOW FROM CATCHMENT 105.2.
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[6], NHYD=["T105.2"], IDs to add=[4+5]
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[7], NHYD=["Pipe37"], RNUMBER=[37],
                    PDIAM=[600](mm), PLNGTH=[75](m),
                    PROUGH=[0.013], PSLOPE=[0.028](m/m), IDin=[6],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[8], NHYD=["Pipe38"], RNUMBER=[38],
                    PDIAM=[600](mm), PLNGTH=[69](m),
                    PROUGH=[0.013], PSLOPE=[0.022](m/m), IDin=[7],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
*%
*%
*% START OSCVI AREA A
*%
*%
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[9], NHYD=["AREA A"], DT=[2](min), AREA=[2.34](ha),
                    XIMP=[0.01], TIMP=[0.1], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[8.0](%),
                                         LGP=[190](m), MNP=[0.03], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[10](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
*% THE FOLLOWING ADD HYD COMBINES THE TOTAL ROUTED FLOW FROM 10th STREET E
*% AND FROM CATCHMENT OSCVI AREA A
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[2], NHYD=["OSCVIA"], IDs to add=[9+8]
*%-----------------|-------------------------------------------------------------|
*%
*%
*% COMBINED FLOWS FROM 10th STREET E AND OSCVI AREA A, ROUTE TO 16TH AVE ON
*% 10th STREET E
*%
*%-----------------|-------------------------------------------------------------|
```



```
[illegible]PE           PTYPE=[1]ci[illegible] [3], [illegible]39"], RNUMBER=[39],
                    PDIAM[illegible] [illegible]TH=[50[illegible]
                    [illegible]OUGH[illegible] [illegible]=[0.03](m/m), IDin=[2],
                    [illegible]=[10][illegible]
[illegible]-----------------------------------|
ROUTE PIPE          [illegible]]circ, [illegible]=["Pipe40"], RNUMBER=[40],
                    [illegible]50](mm), [illegible]),
                    [illegible](m/m), IDin=[3],
                    [illegible](m)[illegible]
*%-----------------|-------------------------------------------------------------|
*****************************************************************************
*%
*%
*% THE FOLLOWING ADD HYD COMBINES THE FLOWS AT THE 16th AVE E AND 10th STREET E
*% INTERSECTION
*%
*%
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["16&10"], IDs to add=[1+4]
*%-----------------|-------------------------------------------------------------|
*%
*%
*****************************************************************************
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[6], NHYD=["Pipe41"], RNUMBER=[41],
                    PDIAM=[1500](mm), PLNGTH=[80](m),
                    PROUGH=[0.013], PSLOPE=[0.006](m/m), IDin=[5],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
*%
*%
*% COMBINE FLOWS ON 10th STREET EAST AT OUTLET TO CHANNEL
*% START HOSPITAL PROPERTY, NORTH CATCHMENT
*%
*%
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[7], NHYD=["999"], DT=[2](min), AREA=[4.2](ha),
                    XIMP=[0.2], TIMP=[0.2], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[3.0](%),
                                         LGP=[350](m), MNP=[0.1], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[3.0](%),
                                         LGI=[60](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[8], NHYD=["Pipe42"], RNUMBER=[42],
                    PDIAM=[450](mm), PLNGTH=[100](m),
                    PROUGH=[0.013], PSLOPE=[0.03](m/m), IDin=[7],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[9], NHYD=["TRA999"], IDs to add=[8+6]
*%-----------------|-------------------------------------------------------------|
*%
*%
*% COMBINE FLOWS ON 10th STREET EAST AT OUTLET TO POND CHANNEL, ADD FLOW FROM
*% POND CATCHMENT AND ROUTE FLOWS ALONG POND INLET CHANNEL TO SWM POND
*%
*%
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[1], NHYD=["106"], DT=[2](min), AREA=[1.95](ha),
                    XIMP=[0.2], TIMP=[0.2], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[1.0](%),
                                         LGP=[50](m), MNP=[0.1], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[1.0](%),
                                         LGI=[50](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
```

```
*%-----------------|-------------------------------------------------------|
ADD HYD           IDsum=[2], NHYD=["TRA106"], IDs to add=[9+1]
*%-----------------|-------------------------------------------------------|
ROUTE CHANNEL     IDout=[3], NHYD=["CHAN-1"], IDin=[2],
                  RDT=[2](min),
                  CHLGTH=[150](m),  CHSLOPE=[2.0](%),
                                    FPSLOPE=[2.0](%),
                  SECNUM=[1],       NSEG=[3]
                  ( SEGROUGH, SEGDIST (m))=[0.035,3 -0.035,5 0.035,8] NSEG times
                  ( DISTANCE (m), ELEVATION (m))=[0, 100]
                                                 [3,  99]
                                                 [5,  99]
                                                 [8, 100]
*%-----------------|-------------------------------------------------------|
ROUTE RESERVOIR   IDout=[4],   NHYD=["POND1"],  IDin=[3],
                  RDT=[2](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                                  (cms) - (ha-m)
                                 [   0.0 ,  0.0000 ]
                                 [  0.180,  0.2829 ]
                                 [  0.239,  0.4929 ]
                                 [  0.285,  0.7210 ]
                                 [  0.325,  0.9684 ]
                                 [  0.646,  1.0996 ]
                                 [  1.216,  1.2362 ]
                                 [  1.787,  1.2828 ]
                                 [  2.832,  1.3300 ]
                                 [  4.186,  1.3779 ]
                                 [  5.250,  1.4118 ]
                                 [  5.322,  1.5252 ]
                                 [  7.458,  1.6781 ]
                                 [   -1  ,    -1   ]  (max twenty pts)
                        IDovf=[   ], NHYDovf=[   ]
*%-----------------|-------------------------------------------------------|
*%
*%
* START FLOWS ON 16TH AVENUE EAST, NORTH OF 10TH STREET EAST
*%
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD    ID=[5], NHYD=["107.1"], DT=[2](min), AREA=[0.96](ha),
                  XIMP=[0.4], TIMP=[0.4], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[83],
                  Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                       LGP=[60](m), MNP=[0.1], SCP=[0](hrs),
                  Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                       LGI=[60](m), MNI=[0.013], SCI=[0](hrs),
                  RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE PIPE        PTYPE=[1]circ, IDout=[6], NHYD=["Pipe43"], RNUMBER=[43],
                  PDIAM=[300](mm), PLNGTH=[43](m),
                  PROUGH=[0.013], PSLOPE=[0.024](m/m), IDin=[5],
                  RDT=[10](min)
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD    ID=[7], NHYD=["107.2"], DT=[2](min), AREA=[0.3](ha),
                  XIMP=[0.4], TIMP=[0.4], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[83],
                  Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                       LGP=[60](m), MNP=[0.1], SCP=[0](hrs),
                  Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                       LGI=[60](m), MNI=[0.013], SCI=[0](hrs),
                  RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ADD HYD           IDsum=[8], NHYD=["T107.2"], IDs to add=[7+6]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE        PTYPE=[1]circ, IDout=[9], NHYD=["Pipe44"], RNUMBER=[44],
                  PDIAM=[375](mm), PLNGTH=[65](m),
```



```
                  PROUGH=[0.013], PSLOPE=[0.022](m/m), IDin=[8],
                  RDT=[10](min)
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD    ID=[1], NHYD=["107.3"], DT=[2](min), AREA=[0.3](ha),
                  XIMP=[0.4], TIMP=[0.4], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[83],
                  Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                       LGP=[60](m), MNP=[0.1], SCP=[0](hrs),
                  Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                       LGI=[60](m), MNI=[0.013], SCI=[0](hrs),
                  RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ADD HYD           IDsum=[2], NHYD=["T107.3"], IDs to add=[1+9]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE        PTYPE=[1]circ, IDout=[3], NHYD=["Pipe45"], RNUMBER=[45],
                  PDIAM=[450](mm), PLNGTH=[55](m),
                  PROUGH=[0.013], PSLOPE=[0.019](m/m), IDin=[2],
                  RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
*%
* TOTAL COMBINED FLOW FROM POND DISCHARGE AND FLOWS FROM 16TH AVE E, NORTH OF
* 10TH STREET EAST
*%
*%
*%-----------------|-------------------------------------------------------|
ADD HYD           IDsum=[5], NHYD=["16+10"], IDs to add=[3+4]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE        PTYPE=[1]circ, IDout=[6], NHYD=["Pipe46"], RNUMBER=[46],
                  PDIAM=[1200](mm), PLNGTH=[94](m),
                  PROUGH=[0.013], PSLOPE=[0.006](m/m), IDin=[5],
                  RDT=[10](min)
*%-----------------|-------------------------------------------------------|
*%
*%
* START FLOWS FROM DIVERTED AREA EAST OF 16 TH AVE EAST
*%
*%
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD    ID=[7], NHYD=["900"], DT=[2](min), AREA=[7.25](ha),
                  XIMP=[0.6], TIMP=[0.6], DWF=[0](cms), LOSS=[2],
                  SCS curve number CN=[83],
                  Pervious   surfaces: IAper=[5.0](mm), SLPP=[5.0](%),
                                       LGP=[100](m), MNP=[0.1], SCP=[0](hrs),
                  Impervious surfaces: IAimp=[2.0](mm), SLPI=[5.0](%),
                                       LGI=[100](m), MNI=[0.013], SCI=[0](hrs),
                  RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------|
ROUTE RESERVOIR   IDout=[8],   NHYD=["POND2"],  IDin=[7],
                  RDT=[2](min),
                        TABLE of ( OUTFLOW-STORAGE ) values
                                  (cms) - (ha-m)
                                 [ 0.000 ,  0.0000 ]
                                 [ 0.233 ,  0.0111 ]
                                 [ 0.330 ,  0.0243 ]
                                 [ 0.404 ,  0.0397 ]
                                 [ 0.467 ,  0.0575 ]
                                 [ 0.522 ,  0.0778 ]
                                 [ 0.572 ,  0.1008 ]
                                 [ 0.617 ,  0.1266 ]
                                 [ 0.660 ,  0.1554 ]
                                 [ 0.700 ,  0.1874 ]
                                 [ 0.738 ,  0.2227 ]
                                 [   -1  ,    -1   ]  (max twenty pts)
                        IDovf=[   ], NHYDovf=[   ]
*%-----------------|-------------------------------------------------------|
ROUTE PIPE        PTYPE=[1]circ, IDout=[9], NHYD=["Pipe47"], RNUMBER=[47],
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                    PDIAM=[750](mm), PLNGTH=[250](m),
                    PROUGH=[0.013], PSLOPE=[0.004](m/m), IDin=[8],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
* TOTAL ROUTED FLOW THROUGH PIPE 46 + TOTAL ROUTED FLOW THROUGH POND 2
* TOTAL COMBINED FLOW FROM 16TH AVENUE EAST NORTH OF 10th STREET EAST
ADD HYD             IDsum=[1], NHYD=["TRP2"], IDs to add=[9+6]
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[2], NHYD=["108"], DT=[2](min), AREA=[1.10](ha),
                    XIMP=[0.4], TIMP=[0.4], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[83],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[60](m), MNP=[0.1], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[60](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["T108"], IDs to add=[1+2]
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[4], NHYD=["Pipe48"], RNUMBER=[48],
                    PDIAM=[1200](mm), PLNGTH=[60](m),
                    PROUGH=[0.013], PSLOPE=[0.0058](m/m), IDin=[3],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[5], NHYD=["Pipe49"], RNUMBER=[49],
                    PDIAM=[1200](mm), PLNGTH=[59](m),
                    PROUGH=[0.013], PSLOPE=[0.0063](m/m), IDin=[4],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
*%
*%
* START FLOWS FROM ANDPET SUBDIVISION, 16TH AVENUE EAST
*%
*%
*%-----------------|-------------------------------------------------------------|
CALIB STANDHYD      ID=[6], NHYD=["ANDPET"], DT=[2](min), AREA=[7.70](ha),
                    XIMP=[0.5], TIMP=[0.5], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[65],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[2.0](%),
                                         LGP=[100](m), MNP=[0.3], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[2.0](%),
                                         LGI=[100](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[7],   NHYD=["ANDPND"],  IDin=[6],
                    RDT=[2](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                     (cms) - (ha-m)
                                   [ 0.000 ,  0.0000 ]
                                   [ 0.250 ,  0.0160 ]
                                   [ 0.500 ,  0.0670 ]
                                   [ 0.750 ,  0.1360 ]
                                   [ 1.000 ,  0.2340 ]
                                   [ 1.250 ,  0.3570 ]
                                   [ 1.500 ,  0.5100 ]
                                   [ 1.750 ,  0.6970 ]
                                   [ 2.000 ,  0.9410 ]
                                   [   -1  ,    -1   ]  (max twenty pts)
                          IDovf=[   ], NHYDovf=[   ]
*%-----------------|-------------------------------------------------------------|
ROUTE PIPE          PTYPE=[1]circ, IDout=[8], NHYD=["Pipe50"], RNUMBER=[50],
                    PDIAM=[750](mm), PLNGTH=[59](m),
                    PROUGH=[0.013], PSLOPE=[0.002](m/m), IDin=[7],
                    RDT=[10](min)
*%-----------------|-------------------------------------------------------------|
*%
*%
```



```
* TOTAL FLOW TO AND INCLUDING THE ANPET SUBDIVISION ON 16TH AVE
*%
*%
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[9], NHYD=["TOTAND"], IDs to add=[5+8]
*%-----------------|-------------------------------------------------------------|
*****************************************************************************
* OWEN SOUND RETIREMENT RESIDENCE, 1389 16TH AVE EAST
*% ASSUME THE SAME CN VALUE AS THE ANDPET SUBDIVISION
CALIB STANDHYD      ID=[1], NHYD=["RETRES"], DT=[2](min), AREA=[0.9](ha),
                    XIMP=[0.63], TIMP=[0.63], DWF=[0](cms), LOSS=[2],
                    SCS curve number CN=[65],
                    Pervious   surfaces: IAper=[5.0](mm), SLPP=[1.0](%),
                                         LGP=[20](m), MNP=[0.3], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0](mm), SLPI=[0.5](%),
                                         LGI=[65](m), MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ](mm/hr) ,  END=-1
*%-----------------|-------------------------------------------------------------|
* OWEN SOUND RETIREMENT RESIDENCE, 1389 16TH AVE EAST
* PARKING LOT STORAGE, 5YR ATTENUATED IN PARKING AREA VIA CATCHBASIN ORFICE
* PLATES WITH MAJOR SYSTEM FLOW(GREATER THAN 5YR) DISCHARGING TO 16TH AVE
ROUTE RESERVOIR     IDout=[2],   NHYD=["POND3"],  IDin=[1],
                    RDT=[2](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                     (cms) - (ha-m)
                                   [ 0.000 ,  0.0000 ]
                                   [ 0.043 ,  0.0089 ]
                                   [ 0.290 ,  0.0097 ]
                                   [ 0.4   ,  0.0100 ]
                                   [   -1  ,    -1   ]  (max twenty pts)
                          IDovf=[], NHYDovf=["RETOVR"]
*%-----------------|-------------------------------------------------------------|
*%
* TOTAL FLOW TO THE INTERSECTION OF 16TH AVE AND 16TH STREET EAST
* GAMBSY AND MANNEROW MIDUSS MODEL, DOES NOT INCLUDE THE CANADIAN TIRE,
* WALMART, HOME DEPOT AND DEVELOPMENTS NORTH OF 16TH STREET EAST
*%
*%
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["TOT16"], IDs to add=[9+2]
*%-----------------|-------------------------------------------------------------|
*****************************************************************************
*%
*%
* START BURNSIDE SWMHYMO MODEL
*%
*%
* WALMART AND HOME DEPOT DEVELOPMENT 16TH STREET EAST
*% ASSUMED A TIMP AND XIMP OF 95% TO MATCH THE STANTEC MODEL
*% THE CATCHMENT AREA LGP,SLPP,LGI,SLPI HAVE BEEN TAKEN FROM THE STANTEC MODEL
CALIB STANDHYD      ID=[6], NHYD=["WLMRT"], DT=[2.0](min), AREA=[20.72],
                    XIMP=[0.65], TIMP=[0.65], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[4.23](%),
                                         LGP=[130.25], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.08](%),
                                         LGI=[371], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------------|
* WALMART EXTERNAL CATCHMENT
CALIB NASHYD        ID=[7], NHYD=["WEXT"], DT=[2.0]min, AREA=[1.58],
                    DWF=[0.0],  CN/C=[78], IA=[5.2],
                    N=[3], TP=[0.11]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%-----------------|-------------------------------------------------------------|
* TOTAL FLOW FROM THE WALMART DEVELOPMENT
ADD HYD             IDsum=[8], NHYD=["TWLMRT"], IDs to add=[6+7]
```

```
*%-----------------|-------------------------------------------------------------|
* WALMART POND
ROUTE RESERVOIR     IDout=[9],   NHYD=["WMRTPD"],  IDin=[8],
                    RDT=[2](min),
                         TABLE of ( OUTFLOW-STORAGE ) values
                                    (cms) - (ha-m)
                                  ( 0.000 ,  0.0000 )
                                  ] 1.900 ,  0.8293 )
                                  [    10 ,  0.8500 )
                                  [   -1  ,     -1  ]  (max twenty pts)
                         IDovf=[   ], NHYDovf=[   ]
*%-----------------|-------------------------------------------------------------|
* ROUTE FLOW FROM THE WALMART AND HOME DEPOT DEVELOPMENT TO FLOW NODE 1
ROUTE PIPE          PTYPE=[1]circ, IDout=[1], NHYD=["16thSTR"], RNUMBER=[51],
                    PDIAM=[1050](mm), PLNGTH=[180](m),
                    PROUGH=[0.013], PSLOPE=[0.0058](m/m), IDin=[9],
                    RDT=[2](min)
*%-----------------|-------------------------------------------------------------|
* CANADIAN TIRE DEVELOPMENT ( 16TH STREET EAST AND 16TH AVE EAST)
CALIB STANDHYD      ID=[2], NHYD=["CDNT"], DT=[2.0](min), AREA=[3.62],
                    XIMP=[0.95], TIMP=[0.95], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[3.0](%),
                                         LGP=[33], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.3](%),
                                         LGI=[273], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------------|
*%
*%
*%-----------------|-------------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD=["TN1"], IDs to add=]5+1]
*%-----------------|-------------------------------------------------------------|
*****************************************************************************
* TOTAL FLOW TO FLOW NODE 1 INCLUDING (WLMRT, CDNT, Gambsby and Mannero)
ADD HYD             IDsum=[3], NHYD=["TND1"], IDs to add=[2+4]
*%-----------------|-------------------------------------------------------------|
*****************************************************************************
*%
*%
*%-----------------|-------------------------------------------------------------|
* ROUTE FLOW FROM FLOW NODE 1 TO FLOW NODE 2
ROUTE PIPE          PTYPE=[2]rect,  IDout=[4], NHYD=["ND1ND2"], RNUMBER=[52],
                    PWIDTH=[1930](mm), PHEIGHT=[1220](mm),  PLNGTH=[150](m),
                    PROUGH=[0.013],  PSLOPE=[0.0073](m/m), IDin=[3],
                    RDT=[2](min)
*%-----------------|-------------------------------------------------------------|
* CATCHMENT 2a
CALIB NASHYD        ID=[5], NHYD=["CA2a"], DT=[2.0]min, AREA=[4.44],
                    DWF=[0.0],  CN/C=[77], IA=[8.9],
                    N=[3], TP=[0.19]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%-----------------|-------------------------------------------------------------|
* SHIFT CATCHMENT 2a TO FLOW NODE 2 THROUGH 900 STM
SHIFT HYD           IDout=[6], NHYD=["SH2a"], IDin=[5], TLAG=[5.67](min)
*%-----------------|-------------------------------------------------------------|
* CATCHMENT 3a
CALIB STANDHYD      ID=[7], NHYD=["CA3a"], DT=[2.0](min), AREA=[5.11],
                    XIMP=[0.55], TIMP=[0.66], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=]7.1](%),
                                         LGP=[28], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.4](%),
                                         LGI=[248], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------------|
* SHIFT FLOW FROM CATCHMENT #3a TO FLOW NODE 2 THROUGH 900 STM
```



```
SHIFT HYD           IDout=[8], NHYD=["SH3a"], IDin=[7], TLAG=[2.47](min)
*%-----------------|-------------------------------------------------------------|
* CATCHMENT 3b
CALIB STANDHYD      ID=[9], NHYD=["CA3b"], DT=[2.0](min), AREA=[2.82],
                    XIMP=[0.81], TIMP=[0.81], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=]5.0](%),
                                         LGP=[40], MNP=[0.25], SCP=]0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.8](%),
                                         LGI=[118], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------------|
* ANDPET COMMMERCIAL DEVELOPMENT
CALIB STANDHYD      ID=[1], NHYD=["ANDCOM"], DT=[2.0](min), AREA=[1.10],
                    XIMP=[0.95], TIMP=[0.95], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.0](%),
                                         LGP=[10], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[2.0](%),
                                         LGI=[115], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------------|
* ANDPET COMMMERCIAL DEVELOPMENT PARKING LOT STORAGE
ROUTE RESERVOIR     IDout=[2],   NHYD=["ACPND"],  IDin=[1],
                    RDT=[2](min),
                         TABLE of ( OUTFLOW-STORAGE ) values
                                    (cms) - (ha-m)
                                  [ 0.000 ,  0.0000 ]
                                  [ 0.228 ,  0.0137 ]
                                  [ 0.357 ,  0.0200 ]
                                  [   -1  ,     -1  ]  (max twenty pts)
                         IDovf=[   ], NHYDovf=[   ]
*%-----------------|-------------------------------------------------------------|
*%
*%
*%
*%-----------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE #1 AND SHIFTED 2a
ADD HYD             IDsum=[3], NHYD=["T2a"], IDs to add=[4+6]
*%-----------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE #1, SHIFTED 2a AND SHIFTED 3a
ADD HYD             IDsum=[4], NHYD=["T2b"], IDs to add=[3+8]
*%-----------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE #1 AND SHIFTED 2a, SHIFTED 3b AND ANDPET COMMERCIAL
ADD HYD             IDsum=[5], NHYD=["T2c"], IDs to add=[4+2]
*%-----------------|-------------------------------------------------------------|
* TOTAL FLOW TO FLOW NODE 2 INCLUDING
* CATCHMENTS(2A, 3A, 3B, ANDCOM & FLOW NODE 1)
ADD HYD             IDsum=[3], NHYD=["TND2"], IDs to add=[5+9]
*%-----------------|-------------------------------------------------------------|
*%
*%
*%-----------------|-------------------------------------------------------------|
* SPLIT TOTAL FLOW TO FLOW NODE 2 BETWEEN EXISTING 1200 STM AND NEW PROPOSED
* CHANNEL, ASSUME EXSITING 1200 STM IS AT CAPACITY. REMAINING FLOW WILL BE
* DIVERTED TO EAST CHANNEL
COMPUTE DUALHYD     IDin=[3], CINLET=[3.02](cms), NINLET=[1],
                    MAJID=[4], MajNHYD=["CHAN"],
                    MINID=[5], MinNHYD=["PIPE"],
                    TMJSTO=[0](cu-m)
*%-----------------|-------------------------------------------------------------|
* ROUTE FLOW FROM FLOW NODE 2 TO FLOW NODE 4
* ROUTED LENGTH FROM FLOW NODE 2-3 = 240m
* ROUTED LENGTH FROM FLOW NODE 3-4 = 400m
* TOTAL ROUTED LENGTH = 640m
ROUTE PIPE          PTYPE=[1]circ, IDout=[6], NHYD=["N3N4P"], RNUMBER=[53],
                    PDIAM=[1200](mm), PLNGTH=[640](m),
```

```
                    PROUGH=[0.013], PSLOPE=[0.006](m/m), IDin=[5],
                    RDT=[2](min)
*%------------------|-------------------------------------------------------------|
*******************************************************************************
* ROUTE FLOW FROM FLOW NODE 2 TO FLOW NODE 3 THROUGH THE PROPOSED EAST CHANNEL
* BASED ON FLOW FROM FLOW SPLITTER
ROUTE CHANNEL       IDout=[7], NHYD=["N2N3C"], IDin=[4],
                    RDT=[2](min),
                    CHLGTH=[240](m),  CHSLOPE=[0.65](%),
                                        FPSLOPE=[0.65](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.035,5.5 -0.035,8.5 0.035,14] NSEG
times
                    ( DISTANCE (m), ELEVATION (m))=[ 0   ,   100 ]
                                                   [ 5.5 , 98.17 ]
                                                   [ 8.5 , 98.17 ]
                                                   [  14 ,   100 ]
*%------------------|-------------------------------------------------------------|
*******************************************************************************
*%------------------|-------------------------------------------------------------|
* CATCHMENT 1
CALIB NASHYD        ID=[8], NHYD=["CA1"], DT=[2.0]min, AREA=[16.29],
                    DWF=[0.0],  CN/C=[72], IA=[9.4],
                    N=[3], TP=[1.37]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
*SHIFT FLOW FROM CATCHMENT 1 TO FLOW NODE 3
SHIFT HYD           IDout=[9], NHYD=["SH1"], IDin=[8], TLAG=[34.4](min)
*%------------------|-------------------------------------------------------------|
* CATCHMENT 2b
CALIB NASHYD        ID=[2], NHYD=["CA2b"], DT=[2.0]min, AREA=[5.16],
                    DWF=[0.0],  CN/C=[73], IA=[9.0],
                    N=[3], TP=[0.33]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
* SHIFT FLOW FROM CATCHMENT 2b TO FLOW NODE 3 THROUGH 900 STM
SHIFT HYD           IDout=[3], NHYD=["SH2b"], IDin=[2], TLAG=[37.7](min)
*%------------------|-------------------------------------------------------------|
* CATCHMENT 4b
CALIB STANDHYD      ID=[4], NHYD=|"CA4b"], DT=[2.0](min), AREA=[14.53],
                    XIMP=[0.25], TIMP=[0.44], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[2.1](%),
                                         LGP=[73], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.3](%),
                                         LGI=[466], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* CATCHMENT MALL
* HERITAGE PLACE SHOPPING MALL
CALIB STANDHYD      ID=[5], NHYD=["MALL"], DT=]2.0](min), AREA=[13.24],
                    XIMP=[0.63], TIMP=[0.89], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.3](%),
                                         LGP=[120], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.2](%),
                                         LGI=[293], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* MAJOR SYSTEM FLOW FROM THE HERITAGE SHOPPING MALL TO SPILL OVER 16TH AVE EAST
* TO EXISTING CHANNEL
*%
* MINOR SYSTEM ENTERS EXISTING 750 STM SEWER
COMPUTE DUALHYD     IDin=[5|, CINLET=[0.787](cms), NINLET=[1],
                    MAJID=[8[, MajNHYD=["CHAN"],
                    MINID=[1], MinNHYD=["PIPE"],
                    TMJSTO=[0](cu-m)
```



```
*%------------------|-------------------------------------------------------------|
*%
*%
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE 2 AND CATCHMENT 1
ADD HYD             IDsum=[2], NHYD=["T3a"], IDs to add=[7+9]
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE 2, CATCHMENT 1 AND SHIFTED 2b
ADD HYD             IDsum=[7], NHYD=["T3a"], IDs to add=[2+3]
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM FLOW NODE 2, CATCHMENT 1, SHIFTED 2b AND 4b
ADD HYD             IDsum=[2], NHYD=["T3b"], IDs to add=[7+4]
*%------------------|-------------------------------------------------------------|
*******************************************************************************
* TOTAL FLOW TO FLOW NODE 3 INCLUDING CATCHMENTS (1, 2b, 4b & Flow Node 2)
* TOTAL FLOW ALSO INCLUDES MAJOR SYSTEM FLOW FROM THE HERITAGE MALL
* TOTAL FLOW TO FLOW NODE 3 ASSUMED TO BE ENTERING PROPOSED CHANNEL
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=|"TND3"], IDs to add=[8+2]
*%------------------|-------------------------------------------------------------|
*******************************************************************************
*%
*%
*%------------------|-------------------------------------------------------------|
*******************************************************************************
* ROUTE FLOW FROM FLOW NODE 3 TO FLOW NODE 4 THROUGH THE PROPOSED EAST CHANNEL
ROUTE CHANNEL       IDout=[7], NHYD=["ND3ND4"], IDin=[3],
                    RDT=[2](min),
                    CHLGTH=[390](m),  CHSLOPE=[0.65|(%),
                                        FPSLOPE=[0.65](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.035,5.5 -0.035,8.5 0.035,14] NSEG
times
                    ( DISTANCE (m), ELEVATION (m))=[   0 ,   100 ]
                                                   [ 5.5 , 98.17 ]
                                                   [ 8.5 , 98.17 ]
                                                   [  14 ,   100 ]
*%------------------|-------------------------------------------------------------|
*******************************************************************************
*%------------------|-------------------------------------------------------------|
* CATCHMENT 5
CALIB STANDHYD      ID=[8], NHYD=["CA5"], DT=[2.0](min), AREA=|15.85],
                    XIMP=[0.32], TIMP=[0.47], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[69],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.5](%),
                                         LGP=[103], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.4](%),
                                         LGI=[289], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
*SHIFT FLOW FROM CATCHMENT 5 TO FLOW NODE 4 THROUGH 1050 STM
SHIFT HYD           IDout=[9|, NHYD=["SH5"], IDin=[8], TLAG=[5.94](min)
*%------------------|-------------------------------------------------------------|
* CATCHMENT 6b
CALIB STANDHYD      ID=[2], NHYD=["CA6b"], DT=[2.0](min), AREA=[32.10],
                    XIMP=[0.20], TIMP=[0.40], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[0.7](%),
                                         LGP=[135], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.7](%),
                                         LGI=[539], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* ADD FLOW FROM CATCHMENTS 5 AND 6 AND SHIFTED FLOW FROM NODE 3
ADD HYD             IDsum=[8], NHYD=["T56ND3"], IDs to add=[2+9]
*%------------------|-------------------------------------------------------------|
* CATCHMENT 7
```

```
CALIB STANDHYD      ID=[3], NHYD=["CA7"], DT=[2.0](min), AREA=[2.90],
                    XIMP=[0.33], TIMP=[0.38], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[63],
                    Pervious   surfaces: IAper=[6.5], SLPP=[0.6](%),
                                         LGP=[82], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.4](%),
                                         LGI=[130], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------|
* SHIFT FLOW FROM CATCHMENT 7 TO FLOW NODE 4 THROUGH 1050 STM
SHIFT HYD           IDout=[4], NHYD=["SH7"], IDin=[3], TLAG=[6.61](min)
*%-----------------|-------------------------------------------------------|
* CATCHMENT 8
CALIB STANDHYD      ID=[5], NHYD=["CA8"], DT=[2.0](min), AREA=[8.01],
                    XIMP=[.73], TIMP=[.84], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.7](%),
                                         LGP=[60], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.1](%),
                                         LGI=[95], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------|
*SHIFT FLOW FROM CATCHMENT #8 TO FLOW NODE 4 THROUGH 1050 STM
SHIFT HYD           IDout=[2], NHYD=["SH8"], IDin=[5], TLAG=[2.93](min)
*%-----------------|-------------------------------------------------------|
* CATCHMENT 11
CALIB STANDHYD      ID=[3], NHYD=["CA11"], DT=[2.0](min), AREA=[4.18],
                    XIMP=[0.28], TIMP=[0.36], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[3.0](%),
                                         LGP=[82], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.7](%),
                                         LGI=[270], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------|
* TOTAL FLOW SHIFTED CATCHMENT 7 AND 8
ADD HYD             IDsum=[5], NHYD=["T7811a"], IDs to add=[4+2]
*%-----------------|-------------------------------------------------------|
* TOTAL FLOW SHIFTED CATCHMENT 7,8 AND CATCHMENT 11
ADD HYD             IDsum=[4], NHYD=["T7811b"], IDs to add=[5+3]
*%-----------------|-------------------------------------------------------|
*ADD SHIFTED FLOW FROM CATCHMENTS (7, 8, 11,5,6b]
ADD HYD             IDsum=[5], NHYD=["T7811"], IDs to add=[8+4]
*%-----------------|-------------------------------------------------------|
*ADD TOTAL FLOW FROM CATCHMENTS 5,6b,7,8,11 AND FLOW NODE 3
ADD HYD             IDsum=[2], NHYD=["T56781"], IDs to add=[7+5]
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[3], NHYD=["CA3c"], DT=[2.0](min), AREA=[1.14],
                    XIMP=[0.45], TIMP=[0.50], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[2.0](%),
                                         LGP=[50], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[2.5](%),
                                         LGI=[80], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------|
* ROUTE FLOW FROM CATCHMENT 3c TO START OF EXISTING 1930 X 1220 BOX CULVERT
ROUTE PIPE          PTYPE=[1]circ, IDout=[4], NHYD=["3cPIPE"], RNUMBER=[54],
                    PDIAM=[600](mm), PLNGTH=[240](m),
                    PROUGH=[0.013], PSLOPE=[0.002](m/m), IDin=[3],
                    RDT=[2](min)
*%-----------------|-------------------------------------------------------|
CALIB STANDHYD      ID=[5], NHYD=["CA4a"], DT=[2.0](min), AREA=[1.86],
                    XIMP=[0.75], TIMP=[0.80], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[2.1](%),
                                         LGP=[24], MNP=[0.25], SCP=[0](hrs),
```



```
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.7](%),
                                         LGI=[69], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%-----------------|-------------------------------------------------------|
* TOTAL FLOW FROM THE MALL MINOR SYSTEM AND CATCHMENT 4a
ADD HYD             IDsum=[8], NHYD=["TMLL4a"], IDs to add=[1+5]
*%-----------------|-------------------------------------------------------|
* ADD ROUTED FLOW FROM CATCHMENT 3c TO FLOW FROM THE HERITAGE SHOPPING MALL
* AND CATCHMENT 4A
ADD HYD             IDsum=[7], NHYD=["TMLL3c"], IDs to add=[8+4]
*%-----------------|-------------------------------------------------------|
* ROUTE TOTAL FLOW FROM THE HERITAGE SHOPPING MALL AND CATCHMENT 3c TO
* FLOW NODE 4
ROUTE PIPE          PTYPE=[2]rect,  IDout=[9], NHYD=["ML3CN4"], RNUMBER=[55],
                    PWIDTH=[1930](mm), PHEIGHT=[1220](mm),  PLNGTH=[405](m),
                    PROUGH=[0.013],  PSLOPE=[0.006](m/m), IDin=[7],
                    RDT=[2](min)
*%-----------------|-------------------------------------------------------|
* CATCHMENT 6a
CALIB NASHYD        ID=[8], NHYD=["CA6a"], DT=[2.0]min, AREA=[3.04],
                    DWF=[0.0],  CN/C=[74], IA=[8.0],
                    N=[3], TP=[0.23]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%-----------------|-------------------------------------------------------|
* TOTAL FLOW FLOW FROM MALL, 3c AND 6a
ADD HYD             IDsum=[1], NHYD=["ML436a"], IDs to add=[8+9]
*%-----------------|-------------------------------------------------------|
* TOTAL FLOW FLOW FROM MALL, 3c, 6a AND 1200 STM
ADD HYD             IDsum=[3], NHYD=["ML436b"], IDs to add=[2+1]
*%-----------------|-------------------------------------------------------|
*%
*%
*******************************************************************************
* TOTAL FLOW TO FLOW NODE 4 INCLUDING CATCHMENTS ("TND4" AND FLOW FROM
* THE HERITAGE SHOPPING MALL,CATCHMENT 3c AND ROUTED FLOW THROUGH THE EXSITING
* 1200 STM FROM FLODE NODE 3)
*%-----------------|-------------------------------------------------------|
ADD HYD             IDsum=[4], NHYD=["TND4"], IDs to add=[6+3]
*%-----------------|-------------------------------------------------------|
*%
*******************************************************************************
*%-----------------|-------------------------------------------------------|
* ROUTE FLOW FROM FLOW NODE 4 TO FLOW NODE 5
ROUTE CHANNEL       IDout=[2], NHYD=["ND4ND5"], IDin=[4],
                    RDT=[2](min),
                    CHLGTH=[697](m),  CHSLOPE=[0.65](%),
                                        FPSLOPE=[0.65](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.035,8.37 -0.035,9.37 0.035,16.49]
                    ( DISTANCE (m), ELEVATION (m))=[ 0.00  ,  100.00 ]
                                                   [ 4.62  ,  98.77  ]
                                                   [ 8.37  ,  96.77  ]
                                                   [ 9.37  ,  96.77  ]
                                                   [ 4.62  ,  98.77  ]
                                                   [ 11.87 ,  98.48  ]
                                                   [ 16.49  , 100.00 ]

*%-----------------|-------------------------------------------------------|
* MILLER WASTE SYSTEMS CATCHMENT, EAST CATCHMENT
*% THE REPORT PREPARED BY W.G MILLS AND ASSOCIATES REPORT FOR THE MILLER WASTE
*% SYSTEMS SITE INDICATES A RUNOFF COEFFICIENT OF 0.54 FOR THE POST DEVELOPMENT
*% DRAINAGE CONDITION AND ALSO A DRAINAGE AREA OF 0.83ha. THIS MODEL REPRESENTS
*% A REVISED CATCHMENT AREA OF 1.26ha WHICH INCLUDES ADDITIONAL AREA TO THE EAST
*% BOUNDED BY THE FORMER CP RAIL EASEMENT AND ALSO REPRESENTS A HIGHER
*% IMPERVIOUS VALUE ASSUMING THAT ALL GRAVEL AREAS WILL BE PAVED IN THE FUTURE
*%
CALIB STANDHYD      ID=[3], NHYD=["MLLRE"], DT=[2.0](min), AREA=[1.26],
```

```
                    XIMP=[0.6], TIMP=[0.74], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.9](%),
                                         LGP=[26], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.7](%),
                                         LGI=[73], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* MILLER WASTE SYSTEM STORAGE CHANNEL, EAST CATCHMENT
*% ADDITIONAL POND VOLUME HAS BEEN PROVIDED TO MATCH ALLOWABLE RELEASE RATES
*% FOR THE MILLER WASTE SYSTEMS EAST CATCHMENT
ROUTE RESERVOIR     IDout=[4],   NHYD=["MLLRCE"],  IDin=[3],
                    RDT=[2](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                     (cms) - (ha-m)
                                   [ 0.000 ,  0.0000 ]
                                   [ 0.057 ,  0.0019 ]
                                   [ 0.127 ,  0.0300 ]
                                   [  -1   ,    -1   ]  (max twenty pts)
                          IDovf=[   ], NHYDovf=[   ]
*%------------------|-------------------------------------------------------------|
*SHIFT FLOW FROM THE MILLER WASTE SYSTEMS EAST SITE TO THE OUTLET OF CATCHMENT 9
SHIFT HYD           IDout=[5], NHYD=["SHMLRE"], IDin=[4], TLAG=[18.8](min)
*%------------------|-------------------------------------------------------------|
* MILLER WASTE SYSTEMS CATCHMENT, WEST CATCHMENT
CALIB STANDHYD      ID=[6], NHYD=["MLLRW"], DT=[2.0](min), AREA=[1.73],
                    XIMP=[.82], TIMP=[0.9], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[76],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.35](%),
                                         LGP=[37], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.42](%),
                                         LGI=[120], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* MILLER WASTE SYSTEM STORAGE CHANNEL, WEST CATCHMENT
ROUTE RESERVOIR     IDout=[7],   NHYD=["MLLRCW"],  IDin=[6],
                    RDT=[2](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                     (cms) - (ha-m)
                                   [ 0.000 ,  0.0000 ]
                                   [ 0.129 ,  0.0136 ]
                                   [ 0.288 ,  0.0420 ]
                                   [   -1  ,    -1   ]  (max twenty pts)
                          IDovf=[   ], NHYDovf=[   ]
*%------------------|-------------------------------------------------------------|
*SHIFT FLOW FROM THE MILLER WASTE SYSTEMS WEST SITE TO THE OUTLET OF CATCHMENT 9
SHIFT HYD           IDout=[8], NHYD=["SHMLRW"], IDin=[7], TLAG=[13.4](min)
*%------------------|-------------------------------------------------------------|
* CATCHMENT 9
CALIB STANDHYD      ID=[9], NHYD=["CA9"], DT=[2.0](min), AREA=[7.85],
                    XIMP=[0.42], TIMP=[0.43], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[75],
                    Pervious   surfaces: IAper=[5.0], SLPP=[1.6](%),
                                         LGP=[96], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.7](%),
                                         LGI=[207], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM THE MILLER WASTE SYSTEMS SITE
ADD HYD             IDsum=[8], NHYD=["TOTMLR"], IDs to add=[8+5]
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM THE MILLER WASTE SYSTEMS SITE AND CATCHMENT 9
ADD HYD             IDsum=[3], NHYD=["T9MLR"], IDs to add=[9+8]
*%------------------|-------------------------------------------------------------|
* SHIFT FLOW FROM CATCHMENT 9 TO FLOW NODE 5
SHIFT HYD           IDout=[4], NHYD=["CA9"], IDin=[3], TLAG=[19.3](min)
*%------------------|-------------------------------------------------------------|
```



```
* CATCHMENT 10
CALIB NASHYD        ID=[5], NHYD=["CA10"], DT=[2.0]min, AREA=[17.87],
                    DWF=[0.0],  CN/C=[77], IA=[9.2],
                    N=[3], TP=[0.19]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
* CATCHMENT 13
CALIB STANDHYD      ID=[6], NHYD=["CA13"], DT=[2.0](min), AREA=[7.15],
                    XIMP=[0.44], TIMP=[0.54], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[74],
                    Pervious   surfaces: IAper=[8.0], SLPP=[1.1](%),
                                         LGP=[175], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[0.6](%),
                                         LGI=[80], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* CATCHMENT 14
CALIB STANDHYD      ID=[7], NHYD=["CA14"], DT=[2.0](min), AREA=[7.52],
                    XIMP=[0.32], TIMP=[0.35], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[74],
                    Pervious   surfaces: IAper=[8.0], SLPP=[1.1](%),
                                         LGP=[175], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.8](%),
                                         LGI=[111], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM CATCHMENTS 10 AND 13
ADD HYD             IDsum=[8], NHYD=["T1013"], IDs to add=[5+6]
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM CATCHMENTS 10, 13, MILLER WASTE SYSTEMS AND CATCHMENT 9
ADD HYD             IDsum=[3], NHYD=["T14"], IDs to add=[8+4]
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM CATCHMENTS 10, 13, MILLER WASTE SYSTEMS, CATCHMENT 9
* AND CATCHMENT 14
ADD HYD             IDsum=[4], NHYD=["T91013"], IDs to add=[3+7]
*%------------------|-------------------------------------------------------------|
*%
*%
* TOTAL FLOW TO FLOW NODE 5 INCLUDING CATCHMENTS (9, 10, 13, 14 & Flow Node 4)
* ALSO INCLUDING THE MILLER WASTE SYSTEMS SITE
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[7], NHYD=["TND5"], IDs to add=[2+4]
*%------------------|-------------------------------------------------------------|
*%
*%
*%------------------|-------------------------------------------------------------|
*****************************************************************************
* ROUTE FLOW FROM FLOW NODE 5 TO FLOW NODE 6
ROUTE CHANNEL       IDout=[8], NHYD=["ND5ND6"], IDin=[7],
                    RDT=[2](min),
                    CHLGTH=[578](m),  CHSLOPE=[1.64](%),
                                        FPSLOPE=[1.64](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.05,2.98 -0.035,3.48 0.05,9.26] NSEG
times
                    ( DISTANCE (m), ELEVATION (m))=[   0   , 100.00 ]
                                                   [ 1.88 , 97.63  ]
                                                   [ 2.98 , 98.48  ]
                                                   [ 3.48 , 98.48  ]
                                                   [ 7.38 , 98.64  ]
                                                   [ 9.26 , 100.00 ]
*%------------------|-------------------------------------------------------------|
*****************************************************************************
*%------------------|-------------------------------------------------------------|
* CATCHMENT 15
CALIB NASHYD        ID=[9], NHYD=["CA15"], DT=[2.0]min, AREA=[18.10],
                    DWF=[0.0],  CN/C=[77], IA=[8.1],
```

```
                    N=[3], TP=[0.25]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
* UNION GAS 23rd STREET
CALIB STANDHYD      ID=[1], NHYD=["UNGAS"], DT=[2.0](min), AREA=[0.99],
                    XIMP=[0.22], TIMP=[0.22], DWF=[0.0], LOSS=[2],
                    SCS curve number CN=[74],
                    Pervious   surfaces: IAper=[5.0], SLPP=[3.3](%),
                                         LGP=[15], MNP=[0.25], SCP=[0](hrs),
                    Impervious surfaces: IAimp=[2.0], SLPI=[1.2](%),
                                         LGI=[90], MNI=[0.013], SCI=[0](hrs),
                    RAINFALL=[ ,  ,  ,  , ] ,  END=-1
*%------------------|-------------------------------------------------------------|
ROUTE RESERVOIR     IDout=[2],   NHYD=["UNGPND"],  IDin=[1],
                    RDT=[2](min),
                          TABLE of ( OUTFLOW-STORAGE ) values
                                    (cms) - (ha-m)
                                [ 0.000 ,  0.0000 ]
                                [ 0.018 ,  0.0071 ]
                                [ 0.074 ,  0.0549 ]
                                [   -1  ,    -1   ]  (max twenty pts)
                          IDovf=[   ], NHYDovf=[   ]
*%------------------|-------------------------------------------------------------|
SHIFT HYD           IDout=[3], NHYD=["SHUNGS"], IDin=[2], TLAG=[16.34](min)
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[1], NHYD=["T15"], IDs to add=[3+9]
*%------------------|-------------------------------------------------------------|
*%
*%
*TOTAL FLOW TO FLOW NODE 6 (15 & Flow Node 5)
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[3], NHYD=["TND6"], IDs to add=[1+8]
*%------------------|-------------------------------------------------------------|
*%
*%
*%------------------|-------------------------------------------------------------|
*****************************************************************************
* ROUTE FLOW FROM FLOW NODE 6 TO FLOW NODE 8
ROUTE CHANNEL       IDout=[2], NHYD=["ND6ND8"], IDin=[3],
                    RDT=[2](min),
                    CHLGTH=[503](m),  CHSLOPE=[1.29](%),
                                        FPSLOPE=[1.29](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.05,3.94 -0.035,6.44 0.05,9.88]
                    ( DISTANCE (m), ELEVATION (m))=[    0 , 100.00 ]
                                                   [ 2.44 ,  98.58 ]
                                                   [ 3.94 ,  97.69 ]
                                                   [ 4.94 ,  97.50 ]
                                                   [ 6.44 ,  97.71 ]
                                                   [ 7.44 ,  98.64 ]
                                                   [ 9.88 , 100.00 ]

*%------------------|-------------------------------------------------------------|
* CATCHMENT 16
CALIB NASHYD        ID=[3], NHYD=["CA16"], DT=[2.0]min, AREA=[30.39],
                    DWF=[0.0],  CN/C=[74], IA=[8.7],
                    N=[3], TP=[1.05]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
*SHIFT FLOW FROM CATCHMENT #16 TO FLOW NODE 8
SHIFT HYD           IDout=[4], NHYD=["SH16"], IDin=[3], TLAG=[7.2](min)
*%------------------|-------------------------------------------------------------|
* CATCHMENT 17
CALIB NASHYD        ID=[5], NHYD=["CA17"], DT=[2.0]min, AREA=[19.13],
                    DWF=[0.0],  CN/C=[79], IA=[8.0],
                    N=[3], TP=(0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
```



```
*%------------------|-------------------------------------------------------------|
* TOTAL FLOW FROM CATCHMENTS 17 AND SHIFTED 16
ADD HYD             IDsum=[6], NHYD=["T1716"], IDs to add=[4+5]
*%------------------|-------------------------------------------------------------|
*%
*%
* TOTAL FLOW TO FLOW NODE 8 INCLUDING(16, 17, FLOW NODE 6]
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[5], NHYD=["TND8"], IDs to add=[2+6]
*%------------------|-------------------------------------------------------------|
*%
*%
*%------------------|-------------------------------------------------------------|
* ROUTE FLOW FROM FLOW NODE 8 TO FLOW NODE 9
ROUTE CHANNEL       IDout=[6], NHYD=["ND8ND9"], IDin=[5],
                    RDT=[2](min),
                    CHLGTH=[405](m),  CHSLOPE=[1.48](%),
                                        FPSLOPE=[1.48](%),
                    SECNUM=[1],       NSEG=[3]
                    ( SEGROUGH, SEGDIST (m))=[0.05,8 -0.045,12 0.05,18] NSEG times
                    ( DISTANCE (m), ELEVATION (m))=[  0 , 92.86 ]
                                                   [  8 , 89.65 ]
                                                   [ 10 , 89.48 ]
                                                   [ 12 , 89.60 ]
                                                   [ 18 , 91.63 ]
*%------------------|-------------------------------------------------------------|
* CATCHMENT 18
CALIB NASHYD        ID=[7], NHYD=]"CA18"], DT=[2.0]min, AREA=[12.02],
                    DWF=[0.0],  CN/C=[78], IA=[8.1],
                    N=[3], TP=|.41]hrs,

                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
*%
*%
* TOTAL FLOW TO FLOW NODE 9 (18 & FLOW NODE 8)
*%------------------|-------------------------------------------------------------|
ADD HYD             IDsum=[8], NHYD=["TND9"], IDs to add=[7+6]
*%------------------|-------------------------------------------------------------|
*%
*%
*%------------------|-------------------------------------------------------------|
* ROUTE FLOW FROM FLOW NODE 9 TO FLOW NODE 10
ROUTE CHANNEL       IDout=[9], NHYD=["ND9ND10"], IDin=[8|,
                    RDT=[2](min),
                    CHLGTH=[505](m),  CHSLOPE=[1.90](%),
                                        FPSLOPE=[1.90](%),
                    SECNUM=|1],       NSEG=|3]
                    ( SEGROUGH, SEGDIST (m))=[0.05,1.05 -0.045,10.5 0.05,13] NSEG
times
                    ( DISTANCE (m), ELEVATION (m))=[  0.00 , 82.56 ]
                                                   [  1.05 , 81.60 ]
                                                   [  6.50 , 81.31 ]
                                                   [ 10.50 , 81.77 ]
                                                   [ 13.00 , 82.53 ]
*%------------------|-------------------------------------------------------------|
* CATCHMENT 19
CALIB NASHYD        ID=[1], NHYD=["CA19"], DT=[2.0|min, AREA=[1.18],
                    DWF=[0.0],  CN/C=[74], IA=[8.0|,
                    N=[3], TP=[0.17]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
*%------------------|-------------------------------------------------------------|
* CATCHMENT 20
CALIB NASHYD        ID=[2], NHYD=["CA20"], DT=[2.0]min, AREA=[7.54],
                    DWF=[0.0],  CN/C=[72], IA=[9.2],
                    N=[3], TP=[0.59]hrs,
                    RAINFALL=[ ,  ,  ,  , ],  END=-1
```

```
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[3], NHYD=["T1920"], IDs to add=[1+2]
*%-----------------|-------------------------------------------------------|
*%
*****************************************************************************
* TOTAL FLOW TO FLOW NODE 10 (19, 20 & FLOW NODE 9)
*%-----------------|-------------------------------------------------------|
ADD HYD            IDsum=[4], NHYD=["TND10"], IDs to add=[3+9]
*%-----------------|-------------------------------------------------------|
*****************************************************************************
*% 5-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[2]
*                  ["5SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
*% 10-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[3]
*                  ["10SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
*% 25-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[4]
*                  ["25SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
*% 50-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[5]
*                  ["50SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
*% 100-year SCS Type-II Storm Distribution for Owen Sound, ON. (6-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[6]
*                  ["100SCS6.stm"] <--storm filename
*%-----------------|-------------------------------------------------------|
*% Timmins Regional Storm (12-hour)
START              TZERO=[0.0],  METOUT=[2],  NSTORM=[1],  NRUN=[7]
*                  ["12regtim.o89"] <--storm filename
*%-----------------|-------------------------------------------------------|
FINISH
```

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

 SSSSS  W   W  M   M  H   H  Y   Y  M   M   OOO        999   55555 =========
 S      W W W  MM MM  H   H   Y Y   MM MM  O   O      9   9  5     =========
 SSSSS  W W W  M M M  HHHHH    Y    M M M  O   O  ##  9   9  5     Ver.  3.1
    S   W W W  M   M  H   H    Y    M   M  O   O       9999  5555  Oct. 1997
 SSSSS   W W   M   M  H   H    Y    M   M   OOO          9      5 =========
                                                      9   9      5 # 3846413
      StormWater Management HYdrologic Model           999   5555  =========

 ********************************************************************************
 ************************** SWMHYMO-95w Ver/3.1 *********************************
 *******  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.           ********
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 *******                  Gatineau, Quebec: (819) 243-6858           ********
 *******                  E-Mail: swmhymo@jfsa.Com                   ********
 ********************************************************************************

 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 +++++++ Licensed user: R.J. Burnside and Associates                    +++++++
 +++++++                Stayner              SERIAL#:3846413           +++++++
 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

 ********************************************************************************
 *******          ++++++ PROGRAM ARRAY DIMENSIONS ++++++                ********
 *******          Maximum value for ID numbers  :     10               ********
 *******          Max. number of rainfall points:   5000               ********
 *******          Max. number of flow points    :   5000               ********
 ********************************************************************************

 *** 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: 2007-06-12     TIME: 16:18:41     RUN COUNTER: 000097          *
 ********************************************************************************
 * Input   filename: C:\DOCUME-1\CPROCTOR\MYDOCU~1\6-HOUR~1\6HR-SCS.TXT        *
 * Output  filename: C:\DOCUME-1\CPROCTOR\MYDOCU~1\6-HOUR~1\6HR-SCS.out        *
 * Summary filename: C:\DOCUME-1\CPROCTOR\MYDOCU~1\6-HOUR~1\6HR-SCS.sum        *
 * User comments:                                                             *
 * 1:_____________________________________________________________________    *
 * 2:_____________________________________________________________________    *
 * 3:_____________________________________________________________________    *
 ********************************************************************************

*#*******************************************************************************
```



```
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
 RUN:COMMAND#
 001:0001--------------------------------------------------------------------------
     START
      [TZERO =    .00 hrs on        0]
      [METOUT=   2    (1=imperial, 2=metric output)]
      [NSTORM=   1 ]
      [NRUN  =   1 ]
 001:0002--------------------------------------------------------------------------
     READ STORM
      Filename = STORM.001
      Comment  = 2-Year SCS Type-II Storm Distribution (6-hour) Owen Sound, O
      [SDT=30.00:SDUR=   6.50:PTOT= 37.20]
 001:0003--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     04:TRA7       1.82     .127 No_date    3:30   24.96 .671
      {XIMP=.60:TIMP=.60}
      {LOSS= 2 :CN= 77.0}
      [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=   .0]
 001:0004--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     01:A8          .28     .018 No_date    3:30   22.40 .602
      {XIMP=.50:TIMP=.50}
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=   .0]
 001:0005--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 01:A8          .28     .018 No_date    3:30   22.40  n/a
 *    [RDT= 2.00] out<- 02:Pipe16      .28     .018 No_date    3:30   22.40  n/a
      [L/S/n=   15./2.000/.013]
      {Vmax= 1.227:Dmax=  .062}
      [Din=  .53:Dused=  .53}
 001:0006--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:Pipe16      .28     .018 No_date    3:30   22.40  n/a
                      + 04:TRA7       1.82     .127 No_date    3:30   24.96  n/a
      [DT= 2.00]  SUM=  03:TRA8       2.10     .145 No_date    3:30   24.62  n/a
 001:0007--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     04:A9          .28     .011 No_date    3:30   12.15 .327
      [XIMP=.10:TIMP=.10]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=   .0]
 001:0008--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 04:A9          .28     .011 No_date    3:30   12.15  n/a
 *    [RDT= 2.00] out<- 05:Pipe17      .28     .011 No_date    3:30   12.15  n/a
      [L/S/n=   29./2.000/.013]
      {Vmax=  .987:Dmax=  .046}
      [Din=  .53:Dused=  .53}
 001:0009--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:Pipe17      .28     .011 No_date    3:30   12.15  n/a
                      + 03:TRA8       2.10     .145 No_date    3:30   24.62  n/a
      [DT= 2.00]  SUM=  06:TRA9       2.38     .156 No_date    3:30   23.13  n/a
 001:0010--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     07:A10         .59     .039 No_date    3:30   22.40 .602
      [XIMP=.50:TIMP=.50]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
 001:0011--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 07:A10         .59     .039 No_date    3:30   22.40  n/a
 *    [RDT= 2.00] out<- 08:Pipe18      .59     .039 No_date    3:30   22.40  n/a
      {L/S/n=   60./2.000/.013}
      {Vmax= 1.555:Dmax=  .089}
      [Din=  .53:Dused=  .53}
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001:0012---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe18       .59     .039 No_date    3:30   22.40  n/a
                      + 06:TRA9        2.38     .156 No_date    3:30   23.13  n/a
     [DT= 2.00]  SUM=  09:TRA10       2.97     .194 No_date    3:30   22.99  n/a
001:0013---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A11          .82     .054 No_date    3:30   22.40 .602
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious      area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=    .0]
001:0014---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A11          .82     .054 No_date    3:30   22.40  n/a
 *   [RDT= 2.00] out<- 02:Pipe19       .82     .054 No_date    3:30   22.40  n/a
     [L/S/n=   59./2.000/.013]
     [Vmax= 1.721:Dmax=  .105]
     [Din=  .53:Dused=  .53]
001:0015---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA10       2.97     .194 No_date    3:30   22.99  n/a
                      + 02:Pipe19       .82     .054 No_date    3:30   22.40  n/a
     [DT= 2.00]  SUM=  03:TRA11       3.80     .248 No_date    3:30   22.86  n/a
001:0016---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A12          .30     .013 No_date    3:30   14.72 .396
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 77.0]
     [Pervious      area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=    .0]
001:0017---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:A12          .30     .013 No_date    3:30   14.72  n/a
 *   [RDT= 2.00] out<- 05:Pipe20       .30     .013 No_date    3:30   14.72  n/a
     [L/S/n=   69./2.000/.013]
     [Vmax= 1.089:Dmax=  .052]
     [Din=  .53:Dused=  .53]
001:0018---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe20       .30     .013 No_date    3:30   14.72  n/a
                      + 03:TRA11       3.80     .248 No_date    3:30   22.86  n/a
     [DT= 2.00]  SUM=  06:TRA12       4.10     .261 No_date    3:30   22.26  n/a
001:0019---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:A13          .31     .016 No_date    3:30   17.28 .464
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=    .0]
001:0020---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:A13          .31     .016 No_date    3:30   17.28  n/a
 *   [RDT= 2.00] out<- 08:Pipe21       .31     .016 No_date    3:30   17.28  n/a
     [L/S/n=   53./1.900/.013]
     [Vmax= 1.168:Dmax=  .059]
     [Din=  .53:Dused=  .53]
001:0021---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe21       .31     .016 No_date    3:30   17.28  n/a
                      + 06:TRA12       4.10     .261 No_date    3:30   22.26  n/a
     ]DT= 2.00]  SUM=  09:TRA13       4.41     .277 No_date    3:30   21.91  n/a
001:0022---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A14          .22     .012 No_date    3:30   17.28 .464
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=    .0]
001:0023---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A14          .22     .012 No_date    3:30   17.28  n/a
 *   [RDT= 2.00] out<- 02:Pipe22       .22     .012 No_date    3:30   17.28  n/a
     [L/S/n=   52./1.250/.013]
     [Vmax=  .848:Dmax=  .053]
     [Din=  .60:Dused=  .60]
001:0024---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe22       .22     .012 No_date    3:30   17.28  n/a
                      + 09:TRA13       4.41     .277 No_date    3:30   21.91  n/a
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     [DT= 2.00]  SUM=  03:TRA14       4.63     .289 No_date    3:30   21.69  n/a
001:0025---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      04:A15          .24     .012 No_date    3:30   17.28 .464
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=    .0]
001:0026---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:A15          .24     .012 No_date    3:30   17.28  n/a
 *   [RDT= 2.00] out<- 05:Pipe23       .24     .012 No_date    3:30   17.28  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .600:Dmax=  .063]
     [Din=  .75:Dused=  .75]
001:0027---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe23       .24     .012 No_date    3:30   17.28  n/a
                      + 03:TRA14       4.63     .289 No_date    3:30   21.69  n/a
     [DT= 2.00]  SUM=  06:TRA15       4.87     .301 No_date    3:30   21.47  n/a
001:0028---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A101         3.00     .227 No_date    3:30   26.04 .700
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=    .0]
001:0029---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A101         3.00     .227 No_date    3:30   26.04  n/a
 *   [RDT= 2.00] out<- 02:Pipe24       3.00     .226 No_date    3:30   26.04  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 1.748:Dmax=  .231]
     [Din=  .90:Dused=  .90]
001:0030---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:Pipe24       3.00     .226 No_date    3:30   26.04  n/a
 *   [RDT= 2.00] out<- 03:Pipe25       3.00     .226 No_date    3:30   26.04  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.416:Dmax=  .292]
     [Din=  .75:Dused=  .75]
001:0031---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:TRA15       4.87     .301 No_date    3:30   21.47  n/a
                      + 03:Pipe25       3.00     .226 No_date    3:30   26.04  n/a
     [DT= 2.00]  SUM=  04:TRA101      7.87     .527 No_date    3:30   23.22  n/a
001:0032---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:TRA101      7.87     .527 No_date    3:30   23.22  n/a
 *   [RDT= 2.00] out<- 05:Pipe26       7.87     .526 No_date    3:30   23.22  n/a
     [L/S/n=   51./ .650/.013]
     [Vmax= 2.107:Dmax=  .374]
     [Din=  .90:Dused=  .90]
001:0033---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A102         .74     .069 No_date    3:30   30.62 .823
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=    .0]
     [Impervious    area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=    .0]
001:0034---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A102         .74     .069 No_date    3:30   30.62  n/a
 *   [RDT= 2.00] out<- 02:Pipe27       .74     .069 No_date    3:30   30.62  n/a
     [L/S/n=   42./1.000/.013]
     [Vmax= 1.492:Dmax=  .164]
     [Din=  .38:Dused=  .38]
001:0035---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe26       7.87     .526 No_date    3:30   23.22  n/a
                      + 02:Pipe27       .74     .069 No_date    3:30   30.62  n/a
     [DT= 2.00]  SUM=  04:8thSTR      8.61     .595 No_date    3:30   23.85  n/a
001:0036---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:8thSTR      8.61     .595 No_date    3:30   23.85  n/a
 *   [RDT= 2.00] out<- 05:Pipe28       8.61     .593 No_date    3:30   23.85  n/a
     [L/S/n=   88./3.260/.013]
     [Vmax= 3.961:Dmax=  .279]
     [Din=  .75:Dused=  .75]
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001:0037----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     06:A103        2.55      .205 No_date    3:30   26.04 .700
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=    .0]
001:0038----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:A103        2.55      .205 No_date    3:30   26.04  n/a
 *   [RDT= 2.00] out<- 07:Pipe29      2.55      .205 No_date    3:30   26.04  n/a
     [L/S/n=   65./2.800/.013]
     (Vmax= 2.754:Dmax=  .167)
     [Din=  .75:Dused=  .75]
001:0039----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe28      8.61      .593 No_date    3:30   23.85  n/a
                     +  07:Pipe29      2.55      .205 No_date    3:30   26.04  n/a
     [DT= 2.00]  SUM=  08:OSCVIb     11.16      .798 No_date    3:30   24.35  n/a
001:0040----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:AREAB       6.03      .464 No_date    3:30   26.04 .700
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=    .0]
001:0041----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREAB       6.03      .464 No_date    3:30   26.04  n/a
                     +  08:OSCVIb     11.16      .798 No_date    3:30   24.35  n/a
     [DT= 2.00]  SUM=  01:OSCVI      17.19     1.262 No_date    3:30   24.95  n/a
001:0042----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:OSCVI      17.19     1.262 No_date    3:30   24.95  n/a
 *   [RDT= 2.00] out<- 02:Pipe30      17.19     1.258 No_date    3:30   24.95  n/a
     [L/S/n=  150./2.600/.013]
     (Vmax= 4.417:Dmax=  .413)
     [Din=  .90:Dused=  .90]
001:0043----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:HOSP        4.59      .200 No_date    3:32   16.89 .454
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=    .0]
001:0044----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:HOSP        4.59      .200 No_date    3:32   16.89  n/a
 *   [RDT= 2.00] out<- 04:Pipe31      4.59      .200 No_date    3:32   16.89  n/a
     [L/S/n=  118./6.000/.013]
     (Vmax= 3.821:Dmax=  .180)
     [Din=  .38:Dused=  .38]
001:0045----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe31      4.59      .200 No_date    3:32   16.89  n/a
 *   [RDT= 2.00] out<- 05:Pipe32      4.59      .201 No_date    3:34   16.89  n/a
     [L/S/n=   70./1.100/.013]
     (Vmax= 2.007:Dmax=  .229)
     [Din=  .60:Dused=  .60]
001:0046----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe30     17.19     1.258 No_date    3:30   24.95  n/a
                     +  05:Pipe32      4.59      .201 No_date    3:34   16.89  n/a
     [DT= 2.00]  SUM=  06:TOTHSP     21.78     1.450 No_date    3:30   23.25  n/a
001:0047----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:TOTHSP     21.78     1.450 No_date    3:30   23.25  n/a
 *   [RDT= 2.00] out<- 07:Pipe33      21.78     1.448 No_date    3:30   23.25  n/a
     [L/S/n=   60./4.300/.013]
     (Vmax= 5.517:Dmax=  .388)
     [Din=  .90:Dused=  .90]
001:0048----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:104         4.20      .321 No_date    3:30   26.04 .700
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=    .0]
001:0049----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ADD HYD            07:Pipe33     21.78     1.448 No_date    3:30   23.25  n/a
                     +  08:104         4.20      .321 No_date    3:30   26.04  n/a
     [DT= 2.00]  SUM=  09:TOT104     25.98     1.769 No_date    3:30   23.70  n/a
001:0050----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 09:TOT104     25.98     1.769 No_date    3:30   23.70  n/a
 *   [RDT= 2.00] out<- 01:Pipe34      25.98     1.765 No_date    3:30   23.70  n/a
     [L/S/n=   59./1.300/.013]
     (Vmax= 3.702:Dmax=  .526)
     [Din= 1.20:Dused= 1.20]
001:0051----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:105         3.59      .195 No_date    3:30   18.03 .485
     [XIMP=.25:TIMP=.25]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=    .0]
001:0052----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:105         3.59      .195 No_date    3:30   18.03  n/a
 *   [RDT= 2.00] out<- 03:Pipe35      3.59      .194 No_date    3:30   18.03  n/a
     [L/S/n=   70./ .750/.013]
     (Vmax= 1.736:Dmax=  .251)
     [Din=  .60:Dused=  .60]
001:0053----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:Pipe35      3.59      .194 No_date    3:30   18.03  n/a
 *   [RDT= 2.00] out<- 04:Pipe36      3.59      .192 No_date    3:32   18.03  n/a
     [L/S/n=  120./1.050/.013]
     (Vmax= 1.956:Dmax=  .228)
     [Din=  .60:Dused=  .60]
001:0054----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:105.2       2.44      .135 No_date    3:30   19.18 .516
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=    .0]
001:0055----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:Pipe36      3.59      .192 No_date    3:32   18.03  n/a
                     +  05:105.2       2.44      .135 No_date    3:30   19.18  n/a
     [DT= 2.00]  SUM=  06:T105.2      6.03      .326 No_date    3:30   18.50  n/a
001:0056----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:T105.2      6.03      .326 No_date    3:30   18.50  n/a
 *   [RDT= 2.00] out<- 07:Pipe37      6.03      .324 No_date    3:30   18.50  n/a
     [L/S/n=   75./2.800/.013]
     (Vmax= 3.218:Dmax=  .232)
     [Din=  .60:Dused=  .60]
001:0057----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:Pipe37      6.03      .324 No_date    3:30   18.50  n/a
 *   [RDT= 2.00] out<- 08:Pipe38      6.03      .324 No_date    3:32   18.50  n/a
     [L/S/n=   69./2.200/.013]
     (Vmax= 2.945:Dmax=  .247)
     [Din=  .60:Dused=  .60]
001:0058----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     09:AREA A      2.34      .103 No_date    3:30   13.56 .364
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=    .0]
001:0059----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREA A      2.34      .103 No_date    3:30   13.56  n/a
                     +  08:Pipe38      6.03      .324 No_date    3:32   18.50  n/a
     [DT= 2.00]  SUM=  02:OSCVIA      8.37      .427 No_date    3:32   17.11  n/a
001:0060----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:OSCVIA      8.37      .427 No_date    3:32   17.11  n/a
 *   [RDT= 2.00] out<- 03:Pipe39      8.37      .428 No_date    3:32   17.11  n/a
     [L/S/n=   50./3.000/.013]
     (Vmax= 3.550:Dmax=  .264)
     [Din=  .60:Dused=  .60]
001:0061----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:Pipe39      8.37      .428 No_date    3:32   17.11  n/a
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 *   [RDT= 2.00] out<- 04:Pipe40      8.37     .429 No_date    3:32   17.11  n/a
     [L/S/n=   30./1.000/.013]
     {Vmax= 2.353:Dmax=  .322}
     [Din=  .75:Dused=  .75]
001:0062---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:Pipe34     25.98    1.765 No_date    3:30   23.70  n/a
                    +   04:Pipe40      8.37     .429 No_date    3:32   17.11  n/a
     [DT= 2.00]  SUM=   05:16&10      34.35    2.188 No_date    3:30   22.10  n/a
001:0063---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16&10      34.35    2.188 No_date    3:30   22.10  n/a
 *   [RDT= 2.00] out<- 06:Pipe41     34.35    2.179 No_date    3:30   22.10  n/a
     [L/S/n=   80./ .600/.013]
     {Vmax= 2.921:Dmax=  .659}
     [Din= 1.50:Dused= 1.50]
001:0064---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      07:999        4.20     .114 No_date    3:30   16.89 .454
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
001:0065---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:999        4.20     .114 No_date    3:30   16.89  n/a
 *   [RDT= 2.00] out<- 08:Pipe42      4.20     .113 No_date    3:30   16.89  n/a
     [L/S/n=  100./3.000/.013]
     [Vmax= 2.519:Dmax=  .147]
     [Din=  .45:Dused=  .45]
001:0066---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe42      4.20     .113 No_date    3:30   16.89  n/a
                    +   06:Pipe41     34.35    2.179 No_date    3:30   22.10  n/a
     [DT= 2.00]  SUM=   09:TRA999      38.55    2.292 No_date    3:30   21.53  n/a
001:0067---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:106        1.95     .083 No_date    3:30   16.89 .454
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=   .0]
001:0068---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA999     38.55    2.292 No_date    3:30   21.53  n/a
                    +   01:106         1.95     .083 No_date    3:30   16.89  n/a
     [DT= 2.00]  SUM=   02:TRA106      40.50    2.375 No_date    3:30   21.30  n/a
001:0069---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 02:TRA106     40.50    2.375 No_date    3:30   21.30  n/a
     [RDT= 2.00] out<- 03:CHAN-1      40.50    2.350 No_date    3:32   21.30  n/a
     [L/S/n=  150./2.000/.035]
     {Vmax= 1.861:Dmax=  .397}
001:0070---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1      40.50    2.350 No_date    3:32   21.30  n/a
     [RDT= 2.00] out<- 04:POND1       40.50     .259 No_date    5:06   21.30  n/a
    {MxStoUsed=.5943E+00}
001:0071---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:107.1       .96     .058 No_date    3:30   21.47 .577
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
001:0072---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:107.1      .96     .058 No_date    3:30   21.47  n/a
 *   [RDT= 2.00] out<- 06:Pipe43      .96     .057 No_date    3:30   21.47  n/a
     [L/S/n=   43./2.400/.013]
     {Vmax= 1.979:Dmax=  .129}
     [Din=  .30:Dused=  .30]
001:0073---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:107.2       .30     .018 No_date    3:30   21.47 .577
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
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001:0074---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:107.2       .30     .018 No_date    3:30   21.47  n/a
                    +   06:Pipe43      .96     .057 No_date    3:30   21.47  n/a
     [DT= 2.00]  SUM=   08:T107.2      1.26     .075 No_date    3:30   21.47  n/a
001:0075---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:T107.2      1.26     .075 No_date    3:30   21.47  n/a
 *   [RDT= 2.00] out<- 09:Pipe44      1.26     .075 No_date    3:30   21.47  n/a
     [L/S/n=   65./2.200/.013]
     [Vmax= 2.040:Dmax=  .138]
     [Din=  .38:Dused=  .38]
001:0076---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:107.3       .30     .018 No_date    3:30   21.47 .577
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
001:0077---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:107.3       .30     .018 No_date    3:30   21.47  n/a
                    +   09:Pipe44      1.26     .075 No_date    3:30   21.47  n/a
     [DT= 2.00]  SUM=   02:T107.3      1.56     .093 No_date    3:30   21.47  n/a
001:0078---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3      1.56     .093 No_date    3:30   21.47  n/a
 *   [RDT= 2.00] out<- 03:Pipe45      1.56     .093 No_date    3:30   21.47  n/a
     [L/S/n=   55./1.900/.013]
     {Vmax= 2.017:Dmax=  .149}
     [Din=  .45:Dused=  .45]
001:0079---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:Pipe45      1.56     .093 No_date    3:30   21.47  n/a
                    +   04:POND1      40.50     .259 No_date    5:06   21.30  n/a
     [DT= 2.00]  SUM=   05:16+10       42.06     .281 No_date    3:30   21.31  n/a
001:0080---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10       42.06     .281 No_date    3:30   21.31  n/a
 *   [RDT= 2.00] out<- 06:Pipe46      42.06     .279 No_date    3:32   21.31  n/a
     [L/S/n=   94./ .600/.013]
     [Vmax= 1.664:Dmax=  .246]
     [Din= 1.20:Dused= 1.20]
001:0081---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:900         7.25     .539 No_date    3:30   26.04 .700
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0]
001:0082---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900         7.25     .539 No_date    3:30   26.04  n/a
     [RDT= 2.00] out<- 08:POND2       7.25     .386 No_date    3:32   26.04  n/a
    [MxStoUsed=.3624E-01]
001:0083---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:POND2       7.25     .386 No_date    3:32   26.04  n/a
 *   [RDT= 2.00] out<- 09:Pipe47      7.25     .383 No_date    3:34   26.04  n/a
     [L/S/n=  250./ .400/.013]
     {Vmax= 1.631:Dmax=  .396}
     [Din=  .75:Dused=  .75]
001:0084---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:Pipe47      7.25     .383 No_date    3:34   26.04  n/a
                    +   06:Pipe46     42.06     .279 No_date    3:32   21.31  n/a
     [DT= 2.00]  SUM=   01:TRP2        49.31     .661 No_date    3:32   22.01  n/a
001:0085---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:108         1.10     .066 No_date    3:30   21.47 .577
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
001:0086---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:TRP2       49.31     .661 No_date    3:32   22.01  n/a
                    +   02:108         1.10     .066 No_date    3:30   21.47  n/a
     [DT= 2.00]  SUM=   03:T108        50.41     .719 No_date    3:30   21.99  n/a
001:0087---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ROUTE PIPE      -> 03:T108      50.41      .719 No_date    3:30   21.99  n/a
 *   [RDT= 2.00] out<- 04:Pipe48     50.41      .715 No_date    3:30   21.99  n/a
     [L/S/n=   60./ .580/.013]
     [Vmax= 2.156:Dmax=  .401}
     [Din= 1.20:Dused= 1.20}
001:0088--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe48     50.41      .715 No_date    3:30   21.99  n/a
 *   [RDT= 2.00] out<- 05:Pipe49     50.41      .716 No_date    3:32   21.99  n/a
     [L/S/n=   59./ .630/.013]
     [Vmax= 2.220:Dmax=  .392}
     [Din= 1.20:Dused= 1.20}
001:0089--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:ANDPET      7.70      .412 No_date    3:30   20.67 .556
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0]
001:0090--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET      7.70      .412 No_date    3:30   20.67  n/a
     [RDT= 2.00] out<- 07:ANDPND      7.70      .315 No_date    3:32   20.67  n/a
     {MxStoUsed=.2952E-01}
001:0091--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:ANDPND      7.70      .315 No_date    3:32   20.67  n/a
 *   [RDT= 2.00] out<- 08:Pipe50      7.70      .314 No_date    3:34   20.67  n/a
     [L/S/n=   59./ .200/.013]
     [Vmax= 1.193:Dmax=  .433]
     [Din=  .75:Dused=  .75]
001:0092--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe49     50.41      .716 No_date    3:32   21.99  n/a
                     + 08:Pipe50      7.70      .314 No_date    3:34   20.67  n/a
     [DT= 2.00]  SUM=  09:TOTAND     58.11     1.030 No_date    3:32   21.82  n/a
001:0093--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:RETRES       .90      .062 No_date    3:30   24.45 .657
     [XIMP=.63:TIMP=.63]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0]
001:0094--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES       .90      .062 No_date    3:30   24.45  n/a
     [RDT= 2.00] out<- 02:POND3        .90      .036 No_date    3:34   24.44  n/a
     {MxStoUsed=.7535E-02}
001:0095--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TOTAND     58.11     1.030 No_date    3:32   21.82  n/a
                     + 02:POND3        .90      .036 No_date    3:34   24.44  n/a
     [DT= 2.00]  SUM=  05:TOT16      59.01     1.065 No_date    3:32   21.86  n/a
001:0096--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:WLMRT      20.72     1.400 No_date    3:30   26.11 .702
     [XIMP=.65:TIMP=.65]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0]
001:0097--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT        1.58      .053 No_date    3:32    9.88 .266
     [CN= 78.0: N= 3.00]
     [Tp=  .11:DT= 2.00]
001:0098--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT      20.72     1.400 No_date    3:30   26.11  n/a
                     + 07:WEXT        1.58      .053 No_date    3:32    9.88  n/a
     [DT= 2.00]  SUM=  08:TWLMRT     22.30     1.453 No_date    3:30   24.96  n/a
001:0099--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT      22.30     1.453 No_date    3:30   24.96  n/a
     [RDT= 2.00] out<- 09:WMRTPD      22.30      .542 No_date    3:54   24.96  n/a
     {MxStoUsed=.2367E+00}
001:0100--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:WMRTPD      22.30      .542 No_date    3:54   24.96  n/a
     [RDT= 2.00] out<- 01:16thST      22.30      .542 No_date    3:56   24.96  n/a
     [L/S/n=  180./ .580/.013]
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     [Vmax= 2.013:Dmax=  .365}
     [Din= 1.05:Dused= 1.05}
001:0101--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT        3.62      .361 No_date    3:30   33.90 .911
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0]
001:0102--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16      59.01     1.065 No_date    3:32   21.86  n/a
                     + 01:16thST     22.30      .542 No_date    3:56   24.96  n/a
     [DT= 2.00]  SUM=  04:TN1        81.31     1.501 No_date    3:40   22.71  n/a
001:0103--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT        3.62      .361 No_date    3:30   33.90  n/a
                     + 04:TN1        81.31     1.501 No_date    3:40   22.71  n/a
     [DT= 2.00]  SUM=  03:TND1       84.93     1.829 No_date    3:32   23.19  n/a
001:0104--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:TND1       84.93     1.829 No_date    3:32   23.19  n/a
     [RDT= 2.00] out<- 04:ND1ND2     84.93     1.826 No_date    3:32   23.19  n/a
     [L/S/n=  150./ .730/.013]
     [Vmax= 2.661:Dmax=  .354}
     [HGTH= 1.22:WDTH= 1.93}
001:0105--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a        4.44      .091 No_date    3:36    7.69 .207
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
001:0106--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA2a        4.44      .091 No_date    3:36    7.69  n/a
     [LAG=  5.7 min]<- 06:SH2a        4.44      .091 No_date    3:40    7.69  n/a
001:0107--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a        5.11      .338 No_date    3:30   24.71 .664
     [XIMP=.55:TIMP=.66]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0]
001:0108--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:CA3a        5.11      .338 No_date    3:30   24.71  n/a
     [LAG=  2.5 min]<- 08:SH3a        5.11      .338 No_date    3:32   24.71  n/a
001:0109--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b        2.82      .249 No_date    3:30   30.26 .814
     [XIMP=.81:TIMP=.81]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0]
001:0110--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM      1.10      .111 No_date    3:30   33.90 .911
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0]
001:0111--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM      1.10      .111 No_date    3:30   33.90  n/a
     [RDT= 2.00] out<- 02:ACPND       1.10      .103 No_date    3:32   33.90  n/a
     {MxStoUsed=.6227E-02}
001:0112--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:ND1ND2     84.93     1.826 No_date    3:32   23.19  n/a
                     + 06:SH2a        4.44      .091 No_date    3:40    7.69  n/a
     [DT= 2.00]  SUM=  03:T2a        89.37     1.893 No_date    3:32   22.42  n/a
001:0113--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T2a        89.37     1.893 No_date    3:32   22.42  n/a
                     + 08:SH3a        5.11      .338 No_date    3:32   24.71  n/a
     [DT= 2.00]  SUM=  04:T2b        94.48     2.231 No_date    3:32   22.54  n/a
001:0114--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:T2b        94.48     2.231 No_date    3:32   22.54  n/a
                     + 02:ACPND       1.10      .103 No_date    3:32   33.90  n/a
     [DT= 2.00]  SUM=  05:T2c        95.58     2.334 No_date    3:32   22.67  n/a
001:0115--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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     ADD HYD            05:T2c       95.58    2.334 No_date    3:32   22.67  n/a
                   +    09:CA3b       2.82     .249 No_date    3:30   30.26  n/a
       [DT= 2.00]  SUM=  03:TND2      98.40    2.556 No_date    3:32   22.89  n/a
001:0116--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     COMPUTE DUALHYD    03:TND2      98.40    2.556 No_date    3:32   22.89  n/a
        Major System /  04:CHAN        .00     .000 No_date    0:00     .00  n/a
        Minor System \  05:PIPE      98.40    2.556 No_date    3:32   22.89  n/a
001:0117--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 05:PIPE      98.40    2.556 No_date    3:32   22.89  n/a
       [RDT= 2.00] out<- 06:N3N4P    98.40    2.490 No_date    3:34   22.89  n/a
       [L/S/n=  640./ .600/.013]
       [Vmax= 2.995:Dmax=  .847]
       [Din= 1.20:Dused= 1.20]
001:0118--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 04:CHAN        .00     .000 No_date    0:00     .00  n/a
001:0119--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       08:CA1       16.29     .080 No_date    5:18    6.11 .164
       [CN= 72.0: N= 3.00]
       [Tp= 1.37:DT= 2.00]
001:0120--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 08:CA1       16.29     .080 No_date    5:18    6.11  n/a
       [LAG= 34.4 min]<- 09:SH1      16.29     .080 No_date    5:52    6.11  n/a
001:0121--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       02:CA2b       5.16     .064 No_date    3:48    6.51 .175
       [CN= 73.0: N= 3.00]
       [Tp=  .33:DT= 2.00]
001:0122--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 02:CA2b       5.16     .064 No_date    3:48    6.51  n/a
       ]LAG= 37.7 min]<- 03:SH2b      5.16     .064 No_date    4:24    6.51  n/a
001:0123--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     04:CA4b      14.53     .432 No_date    3:38   17.80 .478
       {XIMP=.25:TIMP=.44}
       {LOSS= 2 :CN= 76.0}
       [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0]
001:0124--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     05:MALL      13.24     .917 No_date    3:32   30.10 .809
       {XIMP=.63:TIMP=.89}
       {LOSS= 2 :CN= 76.0}
       [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0]
001:0125--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     COMPUTE DUALHYD    05:MALL      13.24     .917 No_date    3:32   30.10  n/a
        Major System /  08:CHAN        .30     .130 No_date    3:32   30.10  n/a
        Minor System \  01:PIPE      12.94     .787 No_date    3:24   30.10  n/a
001:0126--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            07:N2N3C       .00     .000 No_date    0:00     .00  n/a
                   +    09:SH1       16.29     .080 No_date    5:52    6.11  n/a
       [DT= 2.00]  SUM=  02:T3a       16.29     .080 No_date    5:52    6.11  n/a
001:0127--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:T3a       16.29     .080 No_date    5:52    6.11  n/a
                   +    03:SH2b       5.16     .064 No_date    4:24    6.51  n/a
       [DT= 2.00]  SUM=  07:T3a       21.45     .099 No_date    5:18    6.20  n/a
001:0128--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            07:T3a       21.45     .099 No_date    5:18    6.20  n/a
                   +    04:CA4b      14.53     .432 No_date    3:38   17.80  n/a
       [DT= 2.00]  SUM=  02:T3b       35.98     .432 No_date    3:38   10.89  n/a
001:0129--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            08:CHAN        .30     .130 No_date    3:32   30.10  n/a
                   +    02:T3b       35.98     .432 No_date    3:38   10.89  n/a
       [DT= 2.00]  SUM=  03:TND3      36.28     .554 No_date    3:34   11.04  n/a
001:0130--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 03:TND3      36.28     .554 No_date    3:34   11.04  n/a
       [RDT= 2.00] out<- 07:ND3ND4   36.28     .483 No_date    3:38   11.04  n/a
       [L/S/n=  390./ .650/.035]
       {Vmax=  .737:Dmax=  .203}
001:0131--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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     CALIB STANDHYD     08:CA5       15.85     .569 No_date    3:30   17.43 .469
       [XIMP=.32:TIMP=.47]
       [LOSS= 2 :CN= 69.0]
       [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
001:0132--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 08:CA5       15.85     .569 No_date    3:30   17.43  n/a
       [LAG=  5.9 min]<- 09:SH5      15.85     .569 No_date    3:34   17.43  n/a
001:0133--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     02:CA6b      32.10     .682 No_date    3:34   16.60 .446
       [XIMP=.20:TIMP=.40]
       [LOSS= 2 :CN= 76.0]
       [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
001:0134--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:CA6b      32.10     .682 No_date    3:34   16.60  n/a
                   +    09:SH5       15.85     .569 No_date    3:34   17.43  n/a
       [DT= 2.00]  SUM=  08:T56ND3    47.95    1.251 No_date    3:34   16.88  n/a
001:0135--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     03:CA7        2.90     .102 No_date    3:30   15.47 .416
       {XIMP=.33:TIMP=.38}
       [LOSS= 2 :CN= 63.0]
       [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
001:0136--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 03:CA7        2.90     .102 No_date    3:30   15.47  n/a
       [LAG=  6.6 min]<- 04:SH7      2.90     .102 No_date    3:36   15.47  n/a
001:0137--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     05:CA8        8.01     .668 No_date    3:30   29.57 .795
       [XIMP=.73:TIMP=.84]
       [LOSS= 2 :CN= 76.0]
       [Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0]
001:0138--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 05:CA8        8.01     .668 No_date    3:30   29.57  n/a
       [LAG=  2.9 min]<- 02:SH8      8.01     .668 No_date    3:32   29.57  n/a
001:0139--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     03:CA11       4.18     .144 No_date    3:32   17.28 .465
       {XIMP=.28:TIMP=.36}
       {LOSS= 2 :CN= 76.0}
       [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0]
001:0140--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            04:SH7        2.90     .102 No_date    3:36   15.47  n/a
                   +    02:SH8        8.01     .668 No_date    3:32   29.57  n/a
       [DT= 2.00]  SUM=  05:T7811a    10.91     .768 No_date    3:32   25.82  n/a
001:0141--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:T7811a     10.91     .768 No_date    3:32   25.82  n/a
                   +    03:CA11        4.18     .144 No_date    3:32   17.28  n/a
       [DT= 2.00]  SUM=  04:T7811b    15.09     .912 No_date    3:32   23.45  n/a
001:0142--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            08:T56ND3     47.95    1.251 No_date    3:34   16.88  n/a
                   +    04:T7811b     15.09     .912 No_date    3:32   23.45  n/a
       [DT= 2.00]  SUM=  05:T7811      63.04    2.154 No_date    3:32   18.45  n/a
001:0143--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            07:ND3ND4     36.28     .483 No_date    3:38   11.04  n/a
                   +    05:T7811      63.04    2.154 No_date    3:32   18.45  n/a
       [DT= 2.00]  SUM=  02:T56781     99.32    2.542 No_date    3:32   15.75  n/a
001:0144--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     03:CA3c       1.14     .063 No_date    3:30   21.40 .575
       [XIMP=.45:TIMP=.50]
       [LOSS= 2 :CN= 76.0]
       [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0]
001:0145--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 03:CA3c       1.14     .063 No_date    3:30   21.40  n/a
       [RDT= 2.00] out<- 04:3cPIPE    1.14     .061 No_date    3:30   21.40  n/a
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     [L/S/n=  240./ .200/.013]
     {Vmax=  .787:Dmax=  .195}
     [Din=  .60:Dused=  .60]
001:0146--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:CA4a       1.86     .159 No_date    3:30   29.23 .786
     {XIMP=.75:TIMP=.80}
     [LOSS= 2 :CN= 76.0]
     {Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0}
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0]
001:0147--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:PIPE      12.94     .787 No_date    3:24   30.10  n/a
                     + 05:CA4a       1.86     .159 No_date    3:30   29.23  n/a
     [DT= 2.00]  SUM=  08:TMLL4a    14.80     .946 No_date    3:30   29.99  n/a
001:0148--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TMLL4a    14.80     .946 No_date    3:30   29.99  n/a
                     + 04:3cPIPE     1.14     .061 No_date    3:30   21.40  n/a
     [DT= 2.00]  SUM=  07:TMLL3c    15.94    1.007 No_date    3:30   29.38  n/a
001:0149--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c    15.94    1.007 No_date    3:30   29.38  n/a
     [RDT= 2.00] out<- 09:ML3CN4    15.94    1.003 No_date    3:30   29.38  n/a
     [L/S/n=  405./ .600/.013]
     {Vmax= 2.045:Dmax=  .255}
     {HGTH= 1.22:WDTH= 1.93}
001:0150--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA6a       3.04     .053 No_date    3:38    7.20 .194
     [CN= 74.0: N= 3.00]
     [Tp=  .23:DT= 2.00]
001:0151--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:CA6a       3.04     .053 No_date    3:38    7.20  n/a
                     + 09:ML3CN4     15.94    1.003 No_date    3:30   29.38  n/a
     [DT= 2.00]  SUM=  01:ML436a    18.98    1.044 No_date    3:30   25.82  n/a
001:0152--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:T56781    99.32    2.542 No_date    3:32   15.75  n/a
                     + 01:ML436a    18.98    1.044 No_date    3:30   25.82  n/a
     [DT= 2.00]  SUM=  03:ML436b   118.30    3.585 No_date    3:32   17.36  n/a
001:0153--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:N3N4P     98.40    2.490 No_date    3:34   22.89  n/a
                     + 03:ML436b   118.30    3.585 No_date    3:32   17.36  n/a
     [DT= 2.00]  SUM=  04:TND4     216.70    6.050 No_date    3:32   19.87  n/a
001:0154--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:TND4     216.70    6.050 No_date    3:32   19.87  n/a
     {RDT= 2.00} out<- 02:ND4ND5   216.70    5.777 No_date    3:36   19.87  n/a
     [L/S/n=  697./ .650/.035]
     {Vmax= 2.101:Dmax= 1.293}
001:0155--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:MLLRE      1.26     .096 No_date    3:30   26.48 .712
     {XIMP=.60:TIMP=.74}
     [LOSS= 2 :CN= 76.0]
     {Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0}
001:0156--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:MLLRE      1.26     .096 No_date    3:30   26.48  n/a
     [RDT= 2.00] out<- 04:MLLRCE     1.26     .066 No_date    3:34   26.48  n/a
    {MxStoUsed=.5568E-02}
001:0157--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 04:MLLRCE     1.26     .066 No_date    3:34   26.48  n/a
     [LAG= 18.8 min]<- 05:SHMLRE     1.26     .066 No_date    3:52   26.48  n/a
001:0158--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:MLLRW      1.73     .157 No_date    3:30   31.56 .849
     {XIMP=.82:TIMP=.90}
     [LOSS= 2 :CN= 76.0]
     {Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0}
     [Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0]
001:0159--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:MLLRW      1.73     .157 No_date    3:30   31.56  n/a
     {RDT= 2.00} out<- 07:MLLRCW     1.73     .121 No_date    3:34   31.56  n/a
    {MxStoUsed=.1283E-01}
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001:0160--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:MLLRCW     1.73     .121 No_date    3:34   31.56  n/a
     [LAG= 13.4 min]<- 08:SHMLRW     1.73     .121 No_date    3:46   31.56  n/a
001:0161--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA9        7.85     .362 No_date    3:30   20.02 .538
     {XIMP=.42:TIMP=.43}
     [LOSS= 2 :CN= 75.0]
     {Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0}
001:0162--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TOTMLR     1.73     .121 No_date    3:46   31.56  n/a
                     + 05:SHMLRE     1.26     .066 No_date    3:52   26.48  n/a
     [DT= 2.00]  SUM=  08:TOTMLR     2.99     .186 No_date    3:48   29.42  n/a
001:0163--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:CA9        7.85     .362 No_date    3:30   20.02  n/a
                     + 08:TOTMLR     2.99     .186 No_date    3:48   29.42  n/a
     [DT= 2.00]  SUM=  03:T9MLR     10.84     .496 No_date    3:30   22.61  n/a
001:0164--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:T9MLR     10.84     .496 No_date    3:30   22.61  n/a
     [LAG= 19.3 min]<- 04:CA9       10.84     .496 No_date    3:48   22.61  n/a
001:0165--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA10      17.87     .359 No_date    3:36    7.55 .203
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
001:0166--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:CA13       7.15     .337 No_date    3:30   20.54 .552
     {XIMP=.44:TIMP=.54}
     [LOSS= 2 :CN= 74.0]
     {Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0}
001:0167--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA14       7.52     .257 No_date    3:30   16.43 .442
     {XIMP=.32:TIMP=.35}
     [LOSS= 2 :CN= 74.0]
     {Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0}
001:0168--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:CA10      17.87     .359 No_date    3:36    7.55  n/a
                     + 06:CA13       7.15     .337 No_date    3:30   20.54  n/a
     [DT= 2.00]  SUM=  08:T1013     25.02     .639 No_date    3:30   11.26  n/a
001:0169--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:T1013     25.02     .639 No_date    3:30   11.26  n/a
                     + 04:CA9       10.84     .496 No_date    3:48   22.61  n/a
     [DT= 2.00]  SUM=  03:T14       35.86     .989 No_date    3:32   14.69  n/a
001:0170--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T14       35.86     .989 No_date    3:32   14.69  n/a
                     + 07:CA14       7.52     .257 No_date    3:30   16.43  n/a
     [DT= 2.00]  SUM=  04:T91013    43.38    1.241 No_date    3:30   14.99  n/a
001:0171--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:ND4ND5   216.70    5.777 No_date    3:36   19.87  n/a
                     + 04:T91013    43.38    1.241 No_date    3:30   14.99  n/a
     [DT= 2.00]  SUM=  07:TND5     260.08    6.832 No_date    3:34   19.06  n/a
001:0172--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 07:TND5     260.08    6.832 No_date    3:34   19.06  n/a
     {RDT= 2.00} out<- 08:ND5ND6   260.08    6.586 No_date    3:38   19.06  n/a
     [L/S/n=  578./1.640/.035]
     {Vmax= 1.665:Dmax= 1.401}
001:0173--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       09:CA15      18.10     .339 No_date    3:40    8.07 .217
     [CN= 77.0: N= 3.00]
     [Tp=  .25:DT= 2.00]
001:0174--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:UNGAS       .99     .039 No_date    3:30   14.40 .387
     {XIMP=.22:TIMP=.22}
     [LOSS= 2 :CN= 74.0]
     {Pervious     area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0}
     [Impervious   area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
```

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001:0175--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:UNGAS        .99      .039 No_date    3:30   14.40  n/a
     [RDT= 2.00] out<- 02:UNGPND       .99      .015 No_date    4:00   14.40  n/a
     {MxStoUsed=.5839E-02}
001:0176--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:UNGPND       .99      .015 No_date    4:00   14.40  n/a
     [LAG= 16.3 min]<- 03:SHUNGS       .99      .015 No_date    4:16   14.40  n/a
001:0177--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:SHUNGS      .99      .015 No_date    4:16   14.40  n/a
                      + 09:CA15      18.10      .339 No_date    3:40    8.07  n/a
     [DT= 2.00]  SUM=  01:T15        19.09      .347 No_date    3:40    8.40  n/a
001:0178--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:T15       19.09      .347 No_date    3:40    8.40  n/a
                      + 08:ND5ND6   260.08     6.586 No_date    3:38   19.06  n/a
     [DT= 2.00]  SUM=  03:TND6      279.17     6.931 No_date    3:38   18.33  n/a
001:0179--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND6      279.17     6.931 No_date    3:38   18.33  n/a
     [RDT= 2.00] out<- 02:ND6ND8    279.17     6.851 No_date    3:42   18.33  n/a
     {L/S/n=  503./1.290/.035}
     {Vmax= 2.377:Dmax=  .948}
001:0180--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        03:CA16       30.39      .203 No_date    4:50    6.90 .185
     [CN= 74.0: N= 3.00]
     [Tp= 1.05:DT= 2.00]
001:0181--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA16       30.39      .203 No_date    4:50    6.90  n/a
     [LAG=  7.2 min]<- 04:SH16       30.39      .203 No_date    4:56    6.90  n/a
001:0182--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        05:CA17       19.13      .487 No_date    3:34    8.82 .237
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
001:0183--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH16       30.39      .203 No_date    4:56    6.90  n/a
                      + 05:CA17       19.13      .487 No_date    3:34    8.82  n/a
     [DT= 2.00]  SUM=  06:T1716       49.52      .503 No_date    3:34    7.64  n/a
001:0184--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND6ND8    279.17     6.851 No_date    3:42   18.33  n/a
                      + 06:T1716       49.52      .503 No_date    3:34    7.64  n/a
     [DT= 2.00]  SUM=  05:TND8      328.69     7.288 No_date    3:42   16.72  n/a
001:0185--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 05:TND8      328.69     7.288 No_date    3:42   16.72  n/a
     [RDT= 2.00] out<- 06:ND8ND9    328.69     7.200 No_date    3:44   16.72  n/a
     {L/S/n=  405./1.480/.045}
     {Vmax= 1.839:Dmax=  .778}
001:0186--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        07:CA18       12.02      .175 No_date    3:54    8.41 .226
     [CN= 78.0: N= 3.00]
     [Tp=  .41:DT= 2.00]
001:0187--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:CA18       12.02      .175 No_date    3:54    8.41  n/a
                      + 06:ND8ND9    328.69     7.200 No_date    3:44   16.72  n/a
     [DT= 2.00]  SUM=  08:TND9      340.71     7.363 No_date    3:44   16.43  n/a
001:0188--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 08:TND9      340.71     7.363 No_date    3:44   16.43  n/a
     [RDT= 2.00] out<- 09:ND9ND1    340.71     7.242 No_date    3:48   16.43  n/a
     {L/S/n=  505./1.900/.045}
     {Vmax= 1.734:Dmax=  .619}
001:0189--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        01:CA19        1.18      .024 No_date    3:34    7.20 .194
     [CN= 74.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
001:0190--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        02:CA20        7.54      .065 No_date    4:12    6.18 .166
     [CN= 72.0: N= 3.00]
     {Tp=  .59:DT= 2.00}
001:0191--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:CA19        1.18      .024 No_date    3:34    7.20  n/a
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                      + 02:CA20        7.54      .065 No_date    4:12    6.18  n/a
     [DT= 2.00]  SUM=  03:T1920        8.72      .074 No_date    4:06    6.32  n/a
001:0192--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T1920       8.72      .074 No_date    4:06    6.32  n/a
                      + 09:ND9ND1    340.71     7.242 No_date    3:48   16.43  n/a
     [DT= 2.00]  SUM=  04:TND10      349.43     7.306 No_date    3:48   16.17  n/a
 ** END OF RUN :   1

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



RUN:COMMAND#
002:0193--------------------------------------------------------------------------
    START
     [TZERO =    .00 hrs on        0]
     [METOUT=   2    (1=imperial, 2=metric output)]
     [NSTORM=   1 ]
     [NRUN  =   2 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
002:0195--------------------------------------------------------------------------
    READ STORM
     Filename = STORM.001
     Comment  = 5-Year SCS Type-II Storm Distribution (6-hour) Owen Sound, O
     [SDT=30.00:SDUR=   6.50:PTOT= 48.30]
002:0196--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      04:TRA7       1.82      .174 No_date    3:30   34.07 .705
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=    .0[
002:0197--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A8          .28      .026 No_date    3:30   31.02 .642
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=    .0]
002:0198--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A8          .28      .026 No_date    3:30   31.02  n/a
 *   [RDT= 2.00] out<- 02:Pipe16      .28      .026 No_date    3:30   31.02  n/a
     [L/S/n=   15./2.000/.013]
     {Vmax= 1.355:Dmax=  .073}
     [Din=  .53:Dused=  .53]
002:0199--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe16      .28      .026 No_date    3:30   31.02  n/a
                      + 04:TRA7       1.82      .174 No_date    3:30   34.07  n/a
     [DT= 2.00]  SUM=  03:TRA8        2.10      .200 No_date    3:30   33.67  n/a
002:0200--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A9          .28      .018 No_date    3:30   18.79 .389
     [XIMP=.10:TIMP=.10]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=    .0]
002:0201--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A9          .28      .018 No_date    3:30   18.79  n/a
 *   [RDT= 2.00] out<- 05:Pipe17      .28      .017 No_date    3:30   18.79  n/a
     [L/S/n=   29./2.000/.013]
     {Vmax= 1.214:Dmax=  .060}
     [Din=  .53:Dused=  .53]
002:0202--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ADD HYD            05:Pipe17      .28     .017 No_date    3:30   18.79  n/a
                     + 03:TRA8       2.10     .200 No_date    3:30   33.67  n/a
     [DT= 2.00]  SUM=  06:TRA9       2.38     .217 No_date    3:30   31.89  n/a
002:0203--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:A10         .59     .055 No_date    3:30   31.02 .642
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
002:0204--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A10         .59     .055 No_date    3:30   31.02  n/a
 *   [RDT= 2.00] out<- 08:Pipe18      .59     .054 No_date    3:30   31.02  n/a
     [L/S/n=   60./2.000/.013]
     [Vmax= 1.726:Dmax=  .106]
     [Din=  .53:Dused=  .53]
002:0205--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe18      .59     .054 No_date    3:30   31.02  n/a
                     + 06:TRA9       2.38     .217 No_date    3:30   31.89  n/a
     [DT= 2.00]  SUM=  09:TRA10      2.97     .272 No_date    3:30   31.72  n/a
002:0206--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A11         .82     .076 No_date    3:30   31.02 .642
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=   .0]
002:0207--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A11         .82     .076 No_date    3:30   31.02  n/a
 *   [RDT= 2.00] out<- 02:Pipe19      .82     .076 No_date    3:30   31.02  n/a
     [L/S/n=   59./2.000/.013]
     [Vmax= 1.902:Dmax=  .125]
     [Din=  .53:Dused=  .53]
002:0208--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA10      2.97     .272 No_date    3:30   31.72  n/a
                     + 02:Pipe19      .82     .076 No_date    3:30   31.02  n/a
     [DT= 2.00]  SUM=  03:TRA11      3.80     .348 No_date    3:30   31.57  n/a
002:0209--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A12         .30     .020 No_date    3:30   21.85 .452
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=   .0]
002:0210--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A12         .30     .020 No_date    3:30   21.85  n/a
 *   [RDT= 2.00] out<- 05:Pipe20      .30     .020 No_date    3:30   21.85  n/a
     [L/S/n=   69./2.000/.013]
     [Vmax= 1.254:Dmax=  .064]
     [Din=  .53:Dused=  .53]
002:0211--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe20      .30     .020 No_date    3:30   21.85  n/a
                     + 03:TRA11      3.80     .348 No_date    3:30   31.57  n/a
     [DT= 2.00]  SUM=  06:TRA12      4.10     .368 No_date    3:30   30.86  n/a
002:0212--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:A13         .31     .024 No_date    3:30   24.90 .516
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
002:0213--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A13         .31     .024 No_date    3:30   24.90  n/a
 *   [RDT= 2.00] out<- 08:Pipe21      .31     .023 No_date    3:30   24.90  n/a
     [L/S/n=   53./1.900/.013]
     [Vmax= 1.290:Dmax=  .070]
     [Din=  .53:Dused=  .53]
002:0214--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe21      .31     .023 No_date    3:30   24.90  n/a
                     + 06:TRA12      4.10     .368 No_date    3:30   30.86  n/a
     [DT= 2.00]  SUM=  09:TRA13      4.41     .391 No_date    3:30   30.44  n/a
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002:0215--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A14         .22     .018 No_date    3:30   24.90 .516
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
002:0216--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A14         .22     .018 No_date    3:30   24.90  n/a
 *   [RDT= 2.00] out<- 02:Pipe22      .22     .017 No_date    3:30   24.90  n/a
     [L/S/n=   52./1.250/.013]
     [Vmax= 1.025:Dmax=  .066]
     [Din=  .60:Dused=  .60]
002:0217--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe22      .22     .017 No_date    3:30   24.90  n/a
                     + 09:TRA13      4.41     .391 No_date    3:30   30.44  n/a
     [DT= 2.00]  SUM=  03:TRA14      4.63     .409 No_date    3:30   30.17  n/a
002:0218--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A15         .24     .019 No_date    3:30   24.90 .516
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     ]Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
002:0219--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A15         .24     .019 No_date    3:30   24.90  n/a
 *   [RDT= 2.00] out<- 05:Pipe23      .24     .019 No_date    3:30   24.90  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .741:Dmax=  .079]
     [Din=  .75:Dused=  .75]
002:0220--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe23      .24     .019 No_date    3:30   24.90  n/a
                     + 03:TRA14      4.63     .409 No_date    3:30   30.17  n/a
     [DT= 2.00]  SUM=  06:TRA15      4.87     .427 No_date    3:30   29.91  n/a
002:0221--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A101        3.00     .314 No_date    3:30   35.65 .738
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
002:0222--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A101        3.00     .314 No_date    3:30   35.65  n/a
 *   [RDT= 2.00] out<- 02:Pipe24      3.00     .313 No_date    3:30   35.65  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 1.918:Dmax=  .273]
     [Din=  .90:Dused=  .90]
002:0223--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:Pipe24      3.00     .313 No_date    3:30   35.65  n/a
 *   [RDT= 2.00] out<- 03:Pipe25      3.00     .313 No_date    3:30   35.65  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.547:Dmax=  .350]
     [Din=  .75:Dused=  .75]
002:0224--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:TRA15      4.87     .427 No_date    3:30   29.91  n/a
          .          + 03:Pipe25      3.00     .313 No_date    3:30   35.65  n/a
     [DT= 2.00]  SUM=  04:TRA101     7.87     .740 No_date    3:30   32.10  n/a
002:0225--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:TRA101     7.87     .740 No_date    3:30   32.10  n/a
 *   [RDT= 2.00] out<- 05:Pipe26      7.87     .738 No_date    3:30   32.10  n/a
     [L/S/n=   51./ .650/.013]
     [Vmax= 2.300:Dmax=  .453]
     [Din=  .90:Dused=  .90]
002:0226--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A102        .74     .092 No_date    3:30   40.97 .848
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
002:0227--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ROUTE PIPE      -> 01:A102        .74     .092 No_date    3:30   40.97  n/a
 *   [RDT= 2.00] out<- 02:Pipe27      .74     .092 No_date    3:30   40.97  n/a
     [L/S/n=   42./1.000/.013]
     {Vmax= 1.605:Dmax=  .193}
     [Din=  .38:Dused=  .38]
002:0228--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe26     7.87     .738 No_date    3:30   32.10  n/a
                    +   02:Pipe27      .74     .092 No_date    3:30   40.97  n/a
     [DT= 2.00]  SUM=   04:8thSTR     8.61     .830 No_date    3:30   32.86  n/a
002:0229--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:8thSTR     8.61     .830 No_date    3:30   32.86  n/a
 *   [RDT= 2.00] out<- 05:Pipe28      8.61     .828 No_date    3:30   32.86  n/a
     [L/S/n=   88./3.260/.013]
     {Vmax= 4.326:Dmax=  .335}
     [Din=  .75:Dused=  .75]
002:0230--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *   CALIB STANDHYD     06:A103       2.55     .280 No_date    3:30   35.65 .738
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
002:0231--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:A103       2.55     .280 No_date    3:30   35.65  n/a
 *   [RDT= 2.00] out<- 07:Pipe29      2.55     .280 No_date    3:30   35.65  n/a
     [L/S/n=   65./2.800/.013]
     {Vmax= 3.035:Dmax=  .197}
     [Din=  .75:Dused=  .75]
002:0232--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe28     8.61     .828 No_date    3:30   32.86  n/a
                    +   07:Pipe29     2.55     .280 No_date    3:30   35.65  n/a
     [DT= 2.00]  SUM=   08:OSCVIb    11.16    1.109 No_date    3:30   33.50  n/a
002:0233--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:AREAB      6.03     .643 No_date    3:30   35.65 .738
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0]
002:0234--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:AREAB      6.03     .643 No_date    3:30   35.65  n/a
                    +   08:OSCVIb    11.16    1.109 No_date    3:30   33.50  n/a
     [DT= 2.00]  SUM=   01:OSCVI     17.19    1.751 No_date    3:30   34.25  n/a
002:0235--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:OSCVI      17.19    1.751 No_date    3:30   34.25  n/a
 *   [RDT= 2.00] out<- 02:Pipe30     17.19    1.746 No_date    3:30   34.25  n/a
     [L/S/n=  150./2.600/.013]
     {Vmax= 4.793:Dmax=  .502}
     [Din=  .90:Dused=  .90]
002:0236--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:HOSP       4.59     .315 No_date    3:32   24.99 .517
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0]
002:0237--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:HOSP       4.59     .315 No_date    3:32   24.99  n/a
 *   [RDT= 2.00] out<- 04:Pipe31      4.59     .316 No_date    3:32   24.99  n/a
     [L/S/n=  118./6.000/.013]
     {Vmax= 4.250:Dmax=  .239}
     [Din=  .38:Dused=  .38]
002:0238--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe31      4.59     .316 No_date    3:32   24.99  n/a
 *   [RDT= 2.00] out<- 05:Pipe32      4.59     .316 No_date    3:32   24.99  n/a
     [L/S/n=   70./1.100/.013]
     {Vmax= 2.265:Dmax=  .296}
     [Din=  .60:Dused=  .60]
002:0239--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe30    17.19    1.746 No_date    3:30   34.25  n/a
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                    +   05:Pipe32      4.59     .316 No_date    3:32   24.99  n/a
     [DT= 2.00]  SUM=   06:TOTHSP     21.78    2.053 No_date    3:30   32.30  n/a
002:0240--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:TOTHSP     21.78    2.053 No_date    3:30   32.30  n/a
 *   [RDT= 2.00] out<- 07:Pipe33      21.78    2.051 No_date    3:30   32.30  n/a
     [L/S/n=   60./4.300/.013]
     {Vmax= 6.036:Dmax=  .475}
     [Din=  .90:Dused=  .90]
002:0241--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:104        4.20     .445 No_date    3:30   35.65 .738
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=   .0]
002:0242--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:Pipe33    21.78    2.051 No_date    3:30   32.30  n/a
                    +   08:104        4.20     .445 No_date    3:30   35.65  n/a
     [DT= 2.00]  SUM=   09:TOT104     25.98    2.496 No_date    3:30   32.84  n/a
002:0243--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104     25.98    2.496 No_date    3:30   32.84  n/a
 *   [RDT= 2.00] out<- 01:Pipe34      25.98    2.492 No_date    3:30   32.84  n/a
     [L/S/n=   59./1.300/.013]
     {Vmax= 4.044:Dmax=  .643}
     [Din= 1.20:Dused= 1.20]
002:0244--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:105        3.59     .292 No_date    3:30   26.33 .545
     [XIMP=.25:TIMP=.25]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=   .0]
002:0245--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:105        3.59     .292 No_date    3:30   26.33  n/a
 *   [RDT= 2.00] out<- 03:Pipe35      3.59     .290 No_date    3:30   26.33  n/a
     [L/S/n=   70./ .750/.013]
     {Vmax= 1.926:Dmax=  .317}
     [Din=  .60:Dused=  .60]
002:0246--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35      3.59     .290 No_date    3:30   26.33  n/a
 *   [RDT= 2.00] out<- 04:Pipe36      3.59     .287 No_date    3:30   26.33  n/a
     [L/S/n=  120./1.050/.013]
     {Vmax= 2.181:Dmax=  .286}
     [Din=  .60:Dused=  .60]
002:0247--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:105.2      2.44     .199 No_date    3:30   27.66 .573
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=   .0]
002:0248--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:Pipe36      3.59     .287 No_date    3:30   26.33  n/a
                    +   05:105.2       2.44     .199 No_date    3:30   27.66  n/a
     [DT= 2.00]  SUM=   06:T105.2      6.03     .486 No_date    3:30   26.87  n/a
002:0249--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2      6.03     .486 No_date    3:30   26.87  n/a
 *   [RDT= 2.00] out<- 07:Pipe37      6.03     .484 No_date    3:30   26.87  n/a
     [L/S/n=   75./2.800/.013]
     {Vmax= 3.582:Dmax=  .290}
     [Din=  .60:Dused=  .60]
002:0250--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37      6.03     .484 No_date    3:30   26.87  n/a
 *   [RDT= 2.00] out<- 08:Pipe38      6.03     .483 No_date    3:32   26.87  n/a
     [L/S/n=   69./2.200/.013]
     {Vmax= 3.269:Dmax=  .311}
     [Din=  .60:Dused=  .60]
002:0251--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *   CALIB STANDHYD     09:AREA A     2.34     .172 No_date    3:30   21.28 .441
     [XIMP=.01:TIMP=.10]
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     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=   .0]
002:0252--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREA A     2.34     .172 No_date    3:30   21.28  n/a
                     + 08:Pipe38     6.03     .483 No_date    3:32   26.87  n/a
     [DT= 2.00]  SUM=  02:OSCVIA     8.37     .654 No_date    3:30   25.30  n/a
002:0253--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:OSCVIA     8.37     .654 No_date    3:30   25.30  n/a
 *   [RDT= 2.00] out<- 03:Pipe39     8.37     .652 No_date    3:30   25.30  n/a
     [L/S/n=   50./3.000/.013]
     {Vmax= 3.953:Dmax=  .340}
     [Din=  .60:Dused=  .60]
002:0254--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:Pipe39     8.37     .652 No_date    3:30   25.30  n/a
 *   [RDT= 2.00] out<- 04:Pipe40     8.37     .653 No_date    3:32   25.30  n/a
     [L/S/n=   30./1.000/.013]
     {Vmax= 2.617:Dmax=  .412}
     [Din=  .75:Dused=  .75]
002:0255--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:Pipe34    25.98    2.492 No_date    3:30   32.84  n/a
                     + 04:Pipe40     8.37     .653 No_date    3:32   25.30  n/a
     [DT= 2.00]  SUM=  05:16&10     34.35    3.143 No_date    3:30   31.01  n/a
002:0256--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16&10     34.35    3.143 No_date    3:30   31.01  n/a
 *   [RDT= 2.00] out<- 06:Pipe41     34.35    3.131 No_date    3:30   31.01  n/a
     [L/S/n=   80./ .600/.013]
     {Vmax= 3.203:Dmax=  .814}
     [Din= 1.50:Dused= 1.50]
002:0257--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:999        4.20     .188 No_date    3:30   24.99 .517
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
002:0258--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:999        4.20     .188 No_date    3:30   24.99  n/a
 *   [RDT= 2.00] out<- 08:Pipe42     4.20     .186 No_date    3:30   24.99  n/a
     [L/S/n=  100./3.000/.013]
     {Vmax= 2.894:Dmax=  .193}
     [Din=  .45:Dused=  .45]
002:0259--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe42     4.20     .186 No_date    3:30   24.99  n/a
                     + 06:Pipe41    34.35    3.131 No_date    3:30   31.01  n/a
     [DT= 2.00]  SUM=  09:TRA999    38.55    3.317 No_date    3:30   30.35  n/a
002:0260--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:106        1.95     .132 No_date    3:30   24.99 .517
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=   .0]
002:0261--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA999    38.55    3.317 No_date    3:30   30.35  n/a
                     + 01:106        1.95     .132 No_date    3:30   24.99  n/a
     [DT= 2.00]  SUM=  02:TRA106    40.50    3.450 No_date    3:30   30.09  n/a
002:0262--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 02:TRA106    40.50    3.450 No_date    3:30   30.09  n/a
     [RDT= 2.00] out<- 03:CHAN-1     40.50    3.412 No_date    3:30   30.09  n/a
     [L/S/n=  150./2.000/.035]
     {Vmax= 2.074:Dmax=  .482}
002:0263--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1     40.50    3.412 No_date    3:30   30.09  n/a
     [RDT= 2.00] out<- 04:POND1      40.50     .311 No_date    5:12   30.09  n/a
    {MxStoUsed=.8788E+00}
002:0264--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:107.1       .96     .084 No_date    3:30   30.32 .628
     [XIMP=.40:TIMP=.40]
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     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
002:0265--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:107.1       .96     .084 No_date    3:30   30.32  n/a
 *   [RDT= 2.00] out<- 06:Pipe43       .96     .084 No_date    3:30   30.32  n/a
     [L/S/n=   43./2.400/.013]
     {Vmax= 2.181:Dmax=  .161}
     [Din=  .30:Dused=  .30]
002:0266--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:107.2       .30     .026 No_date    3:30   30.32 .628
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
002:0267--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:107.2       .30     .026 No_date    3:30   30.32  n/a
                     + 06:Pipe43       .96     .084 No_date    3:30   30.32  n/a
     [DT= 2.00]  SUM=  08:T107.2      1.26     .110 No_date    3:30   30.32  n/a
002:0268--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:T107.2      1.26     .110 No_date    3:30   30.32  n/a
 *   [RDT= 2.00] out<- 09:Pipe44      1.26     .110 No_date    3:30   30.32  n/a
     [L/S/n=   65./2.200/.013]
     {Vmax= 2.254:Dmax=  .170}
     [Din=  .38:Dused=  .38]
002:0269--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:107.3       .30     .026 No_date    3:30   30.32 .628
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
002:0270--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:107.3       .30     .026 No_date    3:30   30.32  n/a
                     + 09:Pipe44      1.26     .110 No_date    3:30   30.32  n/a
     [DT= 2.00]  SUM=  02:T107.3      1.56     .136 No_date    3:30   30.32  n/a
002:0271--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3      1.56     .136 No_date    3:30   30.32  n/a
 *   [RDT= 2.00] out<- 03:Pipe45      1.56     .136 No_date    3:30   30.32  n/a
     [L/S/n=   55./1.900/.013]
     {Vmax= 2.242:Dmax=  .182}
     [Din=  .45:Dused=  .45]
002:0272--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:Pipe45      1.56     .136 No_date    3:30   30.32  n/a
                     + 04:POND1      40.50     .311 No_date    5:12   30.09  n/a
     [DT= 2.00]  SUM=  05:16+10      42.06     .366 No_date    3:30   30.10  n/a
002:0273--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10      42.06     .366 No_date    3:30   30.10  n/a
 *   [RDT= 2.00] out<- 06:Pipe46     42.06     .363 No_date    3:32   30.10  n/a
     [L/S/n=   94./ .600/.013]
     {Vmax= 1.790:Dmax=  .280}
     [Din= 1.20:Dused= 1.20]
002:0274--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:900         7.25     .746 No_date    3:30   35.65 .738
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0]
002:0275--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900         7.25     .746 No_date    3:30   35.65  n/a
     [RDT= 2.00] out<- 08:POND2       7.25     .468 No_date    3:32   35.65  n/a
    {MxStoUsed=.5798E-01}
002:0276--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:POND2      7.25     .468 No_date    3:32   35.65  n/a
 *   [RDT= 2.00] out<- 09:Pipe47      7.25     .465 No_date    3:34   35.65  n/a
     [L/S/n=  250./ .400/.013]
     {Vmax= 1.705:Dmax=  .447}
     [Din=  .75:Dused=  .75]
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002:0277---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:Pipe47     7.25     .465 No_date    3:34   35.65  n/a
                    +   06:Pipe46    42.06     .363 No_date    3:32   30.10  n/a
     [DT= 2.00]  SUM=   01:TRP2      49.31     .823 No_date    3:32   30.92  n/a
002:0278---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:108         1.10     .096 No_date    3:30   30.32 .628
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
002:0279---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:TRP2      49.31     .823 No_date    3:32   30.92  n/a
                    +   02:108         1.10     .096 No_date    3:30   30.32  n/a
     [DT= 2.00]  SUM=   03:T108      50.41     .909 No_date    3:30   30.90  n/a
002:0280---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:T108      50.41     .909 No_date    3:30   30.90  n/a
 *   [RDT= 2.00] out<- 04:Pipe48    50.41     .904 No_date    3:30   30.90  n/a
     [L/S/n=   60./ .580/.013]
     {Vmax= 2.304:Dmax=  .455}
     [Din= 1.20:Dused= 1.20]
002:0281---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe48    50.41     .904 No_date    3:30   30.90  n/a
 *   [RDT= 2.00] out<- 05:Pipe49    50.41     .904 No_date    3:32   30.90  n/a
     [L/S/n=   59./ .630/.013]
     {Vmax= 2.375:Dmax=  .444}
     [Din= 1.20:Dused= 1.20]
002:0282---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:ANDPET      7.70     .545 No_date    3:30   28.36 .587
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0]
002:0283---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET    7.70     .545 No_date    3:30   28.36  n/a
     [RDT= 2.00] out<- 07:ANDPND    7.70     .387 No_date    3:32   28.36  n/a
     {MxStoUsed=.4422E-01}
002:0284---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:ANDPND    7.70     .387 No_date    3:32   28.36  n/a
 *   [RDT= 2.00] out<- 08:Pipe50    7.70     .385 No_date    3:32   28.36  n/a
     [L/S/n=   59./ .200/.013]
     {Vmax= 1.245:Dmax=  .497}
     [Din=  .75:Dused=  .75]
002:0285---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe49     50.41     .904 No_date    3:32   30.90  n/a
                    +   08:Pipe50      7.70     .385 No_date    3:32   28.36  n/a
     [DT= 2.00]  SUM=   09:TOTAND     58.11    1.289 No_date    3:32   30.57  n/a
002:0286---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:RETRES       .90     .083 No_date    3:30   33.02 .684
     [XIMP=.63:TIMP=.63]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0]
002:0287---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES      .90     .083 No_date    3:30   33.02  n/a
 *   [RDT= 2.00] out<- 02:POND3       .90     .091 No_date    3:30   33.02  n/a
     {MxStoUsed=.9104E-02}
002:0288---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TOTAND     58.11    1.289 No_date    3:32   30.57  n/a
                    +   02:POND3        .90     .091 No_date    3:30   33.02  n/a
     [DT= 2.00]  SUM=   05:TOT16      59.01    1.372 No_date    3:30   30.60  n/a
002:0289---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:WLMRT      20.72    1.879 No_date    3:30   35.41 .733
     [XIMP=.65:TIMP=.65]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0]
002:0290---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    CALIB NASHYD        07:WEXT       1.58     .087 No_date    3:30   16.19 .335
     [CN= 78.0: N= 3.00]
     [Tp=  .11:DT= 2.00]
002:0291---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:WLMRT      20.72    1.879 No_date    3:30   35.41  n/a
                    +   07:WEXT        1.58     .087 No_date    3:30   16.19  n/a
     [DT= 2.00]  SUM=   08:TWLMRT     22.30    1.966 No_date    3:30   34.05  n/a
002:0292---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT     22.30    1.966 No_date    3:30   34.05  n/a
     [RDT= 2.00] out<- 09:WMRTPD     22.30     .738 No_date    3:56   34.05  n/a
     {MxStoUsed=.3222E+00}
002:0293---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:WMRTPD     22.30     .738 No_date    3:56   34.05  n/a
     [RDT= 2.00] out<- 01:16thST     22.30     .738 No_date    3:58   34.05  n/a
     [L/S/n=  180./ .580/.013]
     {Vmax= 2.195:Dmax=  .432}
     [Din= 1.05:Dused= 1.05]
002:0294---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:CDNT       3.62     .473 No_date    3:30   44.74 .926
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0]
002:0295---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:TOT16      59.01    1.372 No_date    3:30   30.60  n/a
                    +   01:16thST     22.30     .738 No_date    3:58   34.05  n/a
     [DT= 2.00]  SUM=   04:TN1        81.31    1.938 No_date    3:32   31.55  n/a
002:0296---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:CDNT       3.62     .473 No_date    3:30   44.74  n/a
                    +   04:TN1        81.31    1.938 No_date    3:32   31.55  n/a
     [DT= 2.00]  SUM=   03:TND1       84.93    2.386 No_date    3:32   32.11  n/a
002:0297---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:TND1       84.93    2.386 No_date    3:32   32.11  n/a
     [RDT= 2.00] out<- 04:ND1ND2     84.93    2.395 No_date    3:32   32.11  n/a
     [L/S/n=  150./ .730/.013]
     {Vmax= 2.903:Dmax=  .424}
     [HGTH= 1.22:WDTH= 1.93]
002:0298---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        05:CA2a       4.44     .166 No_date    3:34   13.47 .279
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
002:0299---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA2a       4.44     .166 No_date    3:34   13.47  n/a
     [LAG=  5.7 min]<- 06:SH2a       4.44     .166 No_date    3:38   13.47  n/a
002:0300---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:CA3a       5.11     .474 No_date    3:30   33.95 .703
     [XIMP=.55:TIMP=.66]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0]
002:0301---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:CA3a       5.11     .474 No_date    3:30   33.95  n/a
     [LAG=  2.5 min]<- 08:SH3a       5.11     .474 No_date    3:32   33.95  n/a
002:0302---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      09:CA3b       2.82     .330 No_date    3:30   40.39 .836
     [XIMP=.81:TIMP=.81]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0]
002:0303---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:ANDCOM     1.10     .145 No_date    3:30   44.74 .926
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0]
002:0304---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10     .145 No_date    3:30   44.74  n/a
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     [RDT= 2.00] out<- 02:ACPND      1.10     .136 No_date    3:30   44.74  n/a
     {MxStoUsed=.8208E-02}
002:0305---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            04:ND1ND2    84.93    2.395 No_date    3:32   32.11  n/a
                      + 06:SH2a       4.44     .166 No_date    3:38   13.47  n/a
     [DT= 2.00]  SUM=  03:T2a       89.37    2.529 No_date    3:32   31.18  n/a
002:0306---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            03:T2a       89.37    2.529 No_date    3:32   31.18  n/a
                      + 08:SH3a       5.11     .474 No_date    3:32   33.95  n/a
     [DT= 2.00]  SUM=  04:T2b       94.48    3.003 No_date    3:32   31.33  n/a
002:0307---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            04:T2b       94.48    3.003 No_date    3:32   31.33  n/a
                      + 02:ACPND      1.10     .136 No_date    3:30   44.74  n/a
     [DT= 2.00]  SUM=  05:T2c       95.58    3.135 No_date    3:32   31.49  n/a
002:0308---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:T2c       95.58    3.135 No_date    3:32   31.49  n/a
                      + 09:CA3b       2.82     .330 No_date    3:30   40.39  n/a
     [DT= 2.00]  SUM=  03:TND2      98.40    3.428 No_date    3:32   31.74  n/a
002:0309---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     COMPUTE DUALHYD    03:TND2      98.40    3.428 No_date    3:32   31.74  n/a
       Major System /   04:CHAN        .58     .408 No_date    3:32   31.74  n/a
       Minor System \   05:PIPE      97.81    3.020 No_date    3:26   31.74  n/a
002:0310---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 05:PIPE      97.81    3.020 No_date    3:26   31.74  n/a
     [RDT= 2.00] out<- 06:N3N4P     97.81    3.015 No_date    3:38   31.74  n/a
     [L/S/n=  640./ .600/.013]
     {Vmax= 3.043:Dmax=  .985}
     [Din= 1.20:Dused= 1.20}
002:0311---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL    -> 04:CHAN        .58     .408 No_date    3:32   31.74  n/a
 *   [RDT= 2.00] out<- 07:N2N3C       .58     .218 No_date    3:34   31.74  n/a
     [L/S/n=  240./ .650/.035]
     {Vmax=  .633:Dmax=  .168}
002:0312---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       08:CA1       16.29     .147 No_date    5:12   10.99 .228
     [CN= 72.0: N= 3.00]
     [Tp= 1.37:DT= 2.00]
002:0313---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 08:CA1       16.29     .147 No_date    5:12   10.99  n/a
     [LAG= 34.4 min]<- 09:SH1       16.29     .147 No_date    5:46   10.99  n/a
002:0314---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       02:CA2b       5.16     .120 No_date    3:46   11.59 .240
     [CN= 73.0: N= 3.00]
     [Tp=  .33:DT= 2.00]
002:0315---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 02:CA2b       5.16     .120 No_date    3:46   11.59  n/a
     [LAG= 37.7 min]<- 03:SH2b       5.16     .120 No_date    4:22   11.59  n/a
002:0316---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     04:CA4b      14.53     .676 No_date    3:36   25.84 .535
     [XIMP=.25:TIMP=.44]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0]
002:0317---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     05:MALL      13.24    1.287 No_date    3:32   40.64 .842
     [XIMP=.63:TIMP=.89]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0]
002:0318---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     COMPUTE DUALHYD    05:MALL      13.24    1.287 No_date    3:32   40.64  n/a
       Major System /   08:CHAN       1.49     .500 No_date    3:32   40.64  n/a
       Minor System \   01:PIPE      11.75     .787 No_date    3:14   40.64  n/a
002:0319---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            07:N2N3C       .58     .218 No_date    3:34   31.74  n/a
                      + 09:SH1       16.29     .147 No_date    5:46   10.99  n/a
     [DT= 2.00]  SUM=  02:T3a       16.87     .218 No_date    3:34   11.71  n/a
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002:0320---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:T3a       16.87     .218 No_date    3:34   11.71  n/a
                      + 03:SH2b       5.16     .120 No_date    4:22   11.59  n/a
     [DT= 2.00]  SUM=  07:T3a       22.03     .218 No_date    3:34   11.68  n/a
002:0321---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            07:T3a       22.03     .218 No_date    3:34   11.68  n/a
                      + 04:CA4b      14.53     .676 No_date    3:36   25.84  n/a
     [DT= 2.00]  SUM=  02:T3b       36.56     .886 No_date    3:34   17.31  n/a
002:0322---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            08:CHAN       1.49     .500 No_date    3:32   40.64  n/a
                      + 02:T3b       36.56     .886 No_date    3:34   17.31  n/a
     [DT= 2.00]  SUM=  03:TND3      38.05    1.371 No_date    3:34   18.22  n/a
002:0323---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL    -> 03:TND3      38.05    1.371 No_date    3:34   18.22  n/a
 *   [RDT= 2.00] out<- 07:ND3ND4     38.05    1.211 No_date    3:38   18.22  n/a
     [L/S/n=  390./ .650/.035]
     {Vmax=  .993:Dmax=  .335}
002:0324---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     08:CA5       15.85     .797 No_date    3:30   24.87 .515
     [XIMP=.32:TIMP=.47]
     [LOSS= 2 :CN= 69.0]
     [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
002:0325---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 08:CA5       15.85     .797 No_date    3:30   24.87  n/a
     [LAG=  5.9 min]<- 09:SH5       15.85     .797 No_date    3:34   24.87  n/a
002:0326---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     02:CA6b      32.10     .999 No_date    3:32   24.42 .506
     [XIMP=.20:TIMP=.40]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
002:0327---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:CA6b      32.10     .999 No_date    3:32   24.42  n/a
                      + 09:SH5       15.85     .797 No_date    3:34   24.87  n/a
     [DT= 2.00]  SUM=  08:T56ND3     47.95    1.795 No_date    3:34   24.57  n/a
002:0328---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     03:CA7        2.90     .136 No_date    3:30   21.92 .454
     [XIMP=.33:TIMP=.38]
     [LOSS= 2 :CN= 63.0]
     [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
002:0329---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 03:CA7        2.90     .136 No_date    3:30   21.92  n/a
     [LAG=  6.6 min]<- 04:SH7        2.90     .136 No_date    3:36   21.92  n/a
002:0330---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     05:CA8        8.01     .901 No_date    3:30   39.77 .823
     [XIMP=.73:TIMP=.84]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0]
002:0331---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 05:CA8        8.01     .901 No_date    3:30   39.77  n/a
     [LAG=  2.9 min]<- 02:SH8        8.01     .901 No_date    3:32   39.77  n/a
002:0332---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     03:CA11       4.18     .218 No_date    3:30   24.99 .517
     [XIMP=.28:TIMP=.36]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0]
002:0333---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            04:SH7        2.90     .136 No_date    3:36   21.92  n/a
                      + 02:SH8        8.01     .901 No_date    3:32   39.77  n/a
     [DT= 2.00]  SUM=  05:T7811a     10.91    1.035 No_date    3:32   35.03  n/a
002:0334---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:T7811a     10.91    1.035 No_date    3:32   35.03  n/a
                      + 03:CA11       4.18     .218 No_date    3:30   24.99  n/a
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     [DT= 2.00]  SUM=  04:T7811b     15.09     1.253 No_date    3:32   32.25  n/a
002:0335--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           08:T56ND3     47.95     1.795 No_date    3:34   24.57  n/a
                   +   04:T7811b     15.09     1.253 No_date    3:32   32.25  n/a
     [DT= 2.00]  SUM=  05:T7811      63.04     3.031 No_date    3:32   26.41  n/a
002:0336--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           07:ND3ND4     38.05     1.211 No_date    3:38   18.22  n/a
                   +   05:T7811      63.04     3.031 No_date    3:32   26.41  n/a
     [DT= 2.00]  SUM=  02:T56781    101.09     4.076 No_date    3:34   23.33  n/a
002:0337--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    03:CA3c       1.14      .090 No_date    3:30   29.86 .618
      [XIMP=.45:TIMP=.50]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0]
002:0338--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 03:CA3c       1.14      .090 No_date    3:30   29.86  n/a
      [RDT= 2.00] out<- 04:3cPIPE     1.14      .087 No_date    3:30   29.86  n/a
      [L/S/n=  240./ .200/.013]
      [Vmax=  .868:Dmax=  .236]
      [Din=  .60:Dused=  .60]
002:0339--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    05:CA4a       1.86      .213 No_date    3:30   39.25 .813
      [XIMP=.75:TIMP=.80]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0]
002:0340--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           01:PIPE      11.75      .787 No_date    3:14   40.64  n/a
                   +   05:CA4a       1.86      .213 No_date    3:30   39.25  n/a
     [DT= 2.00]  SUM=  08:TMLL4a     13.61     1.000 No_date    3:30   40.45  n/a
002:0341--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           08:TMLL4a     13.61     1.000 No_date    3:30   40.45  n/a
                   +   04:3cPIPE      1.14      .087 No_date    3:30   29.86  n/a
     [DT= 2.00]  SUM=  07:TMLL3c     14.75     1.087 No_date    3:30   39.64  n/a
002:0342--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 07:TMLL3c     14.75     1.087 No_date    3:30   39.64  n/a
      [RDT= 2.00] out<- 09:ML3CN4     14.75     1.082 No_date    3:30   39.64  n/a
      [L/S/n=  405./ .600/.013]
      [Vmax= 2.094:Dmax=  .267]
      [HGTH= 1.22:WDTH= 1.93]
002:0343--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD      08:CA6a       3.04      .096 No_date    3:38   12.54 .260
      [CN= 74.0: N= 3.00]
      [Tp=  .23:DT= 2.00]
002:0344--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           08:CA6a       3.04      .096 No_date    3:38   12.54  n/a
                   +   09:ML3CN4     14.75     1.082 No_date    3:30   39.64  n/a
     [DT= 2.00]  SUM=  01:ML436a     17.79     1.162 No_date    3:32   35.01  n/a
002:0345--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           02:T56781    101.09     4.076 No_date    3:34   23.33  n/a
                   +   01:ML436a     17.79     1.162 No_date    3:32   35.01  n/a
     [DT= 2.00]  SUM=  03:ML436b    118.88     5.228 No_date    3:32   25.07  n/a
002:0346--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           06:N3N4P      97.81     3.015 No_date    3:38   31.74  n/a
                   +   03:ML436b    118.88     5.228 No_date    3:32   25.07  n/a
     [DT= 2.00]  SUM=  04:TND4      216.70     8.221 No_date    3:32   28.08  n/a
002:0347--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 04:TND4      216.70     8.221 No_date    3:32   28.08  n/a
      [RDT= 2.00] out<- 02:ND4ND5    216.70     7.935 No_date    3:36   28.08  n/a
      [L/S/n=  697./ .650/.035]
      [Vmax= 2.274:Dmax= 1.498]
002:0348--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    03:MLLRE      1.26      .133 No_date    3:30   36.13 .748
      [XIMP=.60:TIMP=.74]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0]
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      [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0]
002:0349--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 03:MLLRE      1.26      .133 No_date    3:30   36.13  n/a
      [RDT= 2.00] out<- 04:MLLRCE     1.26      .077 No_date    3:36   36.13  n/a
      [MxStoUsed=.1011E-01]
002:0350--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 04:MLLRCE     1.26      .077 No_date    3:36   36.13  n/a
      [LAG= 18.8 min]<- 05:SHMLRE     1.26      .077 No_date    3:54   36.13  n/a
002:0351--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    06:MLLRW      1.73      .210 No_date    3:30   42.11 .872
      [XIMP=.82:TIMP=.90]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0]
002:0352--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 06:MLLRW      1.73      .210 No_date    3:30   42.11  n/a
      [RDT= 2.00] out<- 07:MLLRCW     1.73      .151 No_date    3:34   42.11  n/a
      [MxStoUsed=.1763E-01]
002:0353--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 07:MLLRCW     1.73      .151 No_date    3:34   42.11  n/a
      [LAG= 13.4 min]<- 08:SHMLRW     1.73      .151 No_date    3:46   42.11  n/a
002:0354--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    09:CA9        7.85      .499 No_date    3:30   28.07 .581
      [XIMP=.42:TIMP=.43]
      [LOSS= 2 :CN= 75.0]
      [Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0]
002:0355--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           08:TOTMLR     1.73      .151 No_date    3:46   42.11  n/a
                   +   05:SHMLRE     1.26      .077 No_date    3:54   36.13  n/a
     [DT= 2.00]  SUM=  08:TOTMLR     2.99      .225 No_date    3:48   39.59  n/a
002:0356--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           09:CA9        7.85      .499 No_date    3:30   28.07  n/a
                   +   08:TOTMLR     2.99      .225 No_date    3:48   39.59  n/a
     [DT= 2.00]  SUM=  03:T9MLR     10.84      .668 No_date    3:30   31.25  n/a
002:0357--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 03:T9MLR     10.84      .668 No_date    3:30   31.25  n/a
      [LAG= 19.3 min]<- 04:CA9       10.84      .668 No_date    3:48   31.25  n/a
002:0358--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD      05:CA10       17.87      .660 No_date    3:36   13.30 .275
      [CN= 77.0: N= 3.00]
      [Tp=  .19:DT= 2.00]
002:0359--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    06:CA13       7.15      .449 No_date    3:30   28.85 .597
      [XIMP=.44:TIMP=.54]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0]
002:0360--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD    07:CA14       7.52      .344 No_date    3:30   23.74 .491
      [XIMP=.32:TIMP=.35]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0]
002:0361--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           05:CA10       17.87      .660 No_date    3:36   13.30  n/a
                   +   06:CA13       7.15      .449 No_date    3:30   28.85  n/a
     [DT= 2.00]  SUM=  08:T1013      25.02     1.037 No_date    3:30   17.74  n/a
002:0362--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           08:T1013      25.02     1.037 No_date    3:30   17.74  n/a
                   +   04:CA9        10.84      .668 No_date    3:48   31.25  n/a
     [DT= 2.00]  SUM=  03:T14        35.86     1.509 No_date    3:32   21.82  n/a
002:0363--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD           03:T14        35.86     1.509 No_date    3:32   21.82  n/a
                   +   07:CA14        7.52      .344 No_date    3:30   23.74  n/a
     [DT= 2.00]  SUM=  04:T91013     43.38     1.843 No_date    3:30   22.16  n/a
002:0364--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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     ADD HYD            02:ND4ND5   216.70    7.935 No_date    3:36   28.08  n/a
                    +   04:T91013    43.38    1.843 No_date    3:30   22.16  n/a
      [DT= 2.00]  SUM=  07:TND5     260.08    9.536 No_date    3:34   27.10  n/a
002:0365--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 07:TND5     260.08    9.536 No_date    3:34   27.10  n/a
      [RDT= 2.00] out<- 08:ND5ND6   260.08    9.291 No_date    3:38   27.10  n/a
      [L/S/n=  578./1.640/.035]
      (Vmax= 1.860:Dmax= 1.541)
002:0366--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       09:CA15      18.10     .611 No_date    3:38   13.92 .288
      [CN= 77.0: N= 3.00]
      [Tp=  .25:DT= 2.00]
002:0367--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     01:UNGAS      .99     .061 No_date    3:30   21.22 .439
      [XIMP=.22:TIMP=.22]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
002:0368--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 01:UNGAS      .99     .061 No_date    3:30   21.22  n/a
      [RDT= 2.00] out<- 02:UNGPND     .99     .020 No_date    4:02   21.22  n/a
     (MxStoUsed=.9024E-02)
002:0369--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 02:UNGPND     .99     .020 No_date    4:02   21.22  n/a
      (LAG= 16.3 min]<- 03:SHUNGS     .99     .020 No_date    4:18   21.22  n/a
002:0370--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            03:SHUNGS     .99     .020 No_date    4:18   21.22  n/a
                    +   09:CA15      18.10     .611 No_date    3:38   13.92  n/a
      [DT= 2.00]  SUM=  01:T15       19.09     .623 No_date    3:38   14.30  n/a
002:0371--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            01:T15       19.09     .623 No_date    3:38   14.30  n/a
                    +   08:ND5ND6   260.08    9.291 No_date    3:38   27.10  n/a
      [DT= 2.00]  SUM=  03:TND6     279.17    9.914 No_date    3:38   26.22  n/a
002:0372--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 03:TND6     279.17    9.914 No_date    3:38   26.22  n/a
      [RDT= 2.00] out<- 02:ND6ND8   279.17    9.812 No_date    3:40   26.22  n/a
      [L/S/n=  503./1.290/.035]
      (Vmax= 2.616:Dmax= 1.132)
002:0373--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       03:CA16      30.39     .367 No_date    4:46   12.17 .252
      [CN= 74.0: N= 3.00]
      [Tp= 1.05:DT= 2.00]
002:0374--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD       -> 03:CA16      30.39     .367 No_date    4:46   12.17  n/a
      [LAG=  7.2 min]<- 04:SH16      30.39     .367 No_date    4:52   12.17  n/a
002:0375--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       05:CA17      19.13     .858 No_date    3:34   15.06 .312
      [CN= 79.0: N= 3.00]
      [Tp=  .17:DT= 2.00]
002:0376--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            04:SH16      30.39     .367 No_date    4:52   12.17  n/a
                    +   05:CA17      19.13     .858 No_date    3:34   15.06  n/a
      [DT= 2.00]  SUM=  06:T1716     49.52     .897 No_date    3:34   13.29  n/a
002:0377--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:ND6ND8   279.17    9.812 No_date    3:40   26.22  n/a
                    +   06:T1716     49.52     .897 No_date    3:34   13.29  n/a
      [DT= 2.00]  SUM=  05:TND8     328.69   10.621 No_date    3:40   24.27  n/a
002:0378--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 05:TND8     328.69   10.621 No_date    3:40   24.27  n/a
      [RDT= 2.00] out<- 06:ND8ND9   328.69   10.511 No_date    3:42   24.27  n/a
      [L/S/n=  405./1.480/.045]
      (Vmax= 2.050:Dmax=  .935)
002:0379--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       07:CA18      12.02     .314 No_date    3:52   14.45 .299
      [CN= 78.0: N= 3.00]
      [Tp=  .41:DT= 2.00]
002:0380--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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     ADD HYD            07:CA18      12.02     .314 No_date    3:52   14.45  n/a
                    +   06:ND8ND9   328.69   10.511 No_date    3:42   24.27  n/a
      [DT= 2.00]  SUM=  08:TND9     340.71   10.802 No_date    3:44   23.93  n/a
002:0381--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL   -> 08:TND9     340.71   10.802 No_date    3:44   23.93  n/a
      [RDT= 2.00] out<- 09:ND9ND1   340.71   10.670 No_date    3:46   23.93  n/a
      [L/S/n=  505./1.900/.045]
      (Vmax= 1.990:Dmax=  .729)
002:0382--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       01:CA19       1.18     .043 No_date    3:34   12.54 .260
      [CN= 74.0: N= 3.00]
      [Tp=  .17:DT= 2.00]
002:0383--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD       02:CA20       7.54     .120 No_date    4:10   11.09 .230
      [CN= 72.0: N= 3.00]
      [Tp=  .59:DT= 2.00]
002:0384--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            01:CA19       1.18     .043 No_date    3:34   12.54  n/a
                    +   02:CA20       7.54     .120 No_date    4:10   11.09  n/a
      [DT= 2.00]  SUM=  03:T1920      8.72     .137 No_date    4:04   11.28  n/a
002:0385--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            03:T1920      8.72     .137 No_date    4:04   11.28  n/a
                    +   09:ND9ND1   340.71   10.670 No_date    3:46   23.93  n/a
      [DT= 2.00]  SUM=  04:TND10    349.43   10.790 No_date    3:46   23.61  n/a
  ** END OF RUN :   2

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



 RUN:COMMAND#
 003:0387-------------------------------------------------------------------------
     START
      [TZERO =    .00 hrs on        0]
      [METOUT=   2    (1=imperial, 2=metric output)]
      [NSTORM=   1 ]
      [NRUN  =   3 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
 003:0389-------------------------------------------------------------------------
     READ STORM
      Filename = STORM.001
      Comment  = 10-Year SCS Type-II Storm Distribution [6-hour] Owen Sound,
      [SDT=30.00:SDUR=   6.50:PTOT= 55.70]
 003:0390--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     04:TRA7       1.82     .208 No_date    3:30   40.34 .724
      [XIMP=.60:TIMP=.60]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=   .0]
 003:0391--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     01:A8          .28     .031 No_date    3:30   37.00 .664
      [XIMP=.50:TIMP=.50]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=   .0]
 003:0392--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 01:A8          .28     .031 No_date    3:30   37.00  n/a
  *   [RDT= 2.00] out<- 02:Pipe16      .28     .031 No_date    3:30   37.00  n/a
      [L/S/n=   15./2.000/.013]
      (Vmax= 1.458:Dmax=  .080)
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     [Din=  .53:Dused=  .53)
003:0393--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe16      .28     .031 No_date    3:30   37.00  n/a
                    +   04:TRA7       1.82     .208 No_date    3:30   40.34  n/a
     [DT= 2.00]  SUM=   03:TRA8       2.10     .239 No_date    3:30   39.90  n/a
003:0394--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A9          .28     .022 No_date    3:30   23.65 .425
     [XIMP=.10:TIMP=.10]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=   .0]
003:0395--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A9          .28     .022 No_date    3:30   23.65  n/a
 *   [RDT= 2.00] out<- 05:Pipe17      .28     .022 No_date    3:30   23.65  n/a
     [L/S/n=   29./2.000/.013]
     [Vmax= 1.291:Dmax=  .067]
     [Din=  .53:Dused=  .53]
003:0396--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe17      .28     .022 No_date    3:30   23.65  n/a
                    +   03:TRA8       2.10     .239 No_date    3:30   39.90  n/a
     [DT= 2.00]  SUM=   06:TRA9       2.38     .262 No_date    3:30   37.96  n/a
003:0397--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      07:A10         .59     .065 No_date    3:30   37.00 .664
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
003:0398--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A10         .59     .065 No_date    3:30   37.00  n/a
 *   [RDT= 2.00] out<- 08:Pipe18      .59     .065 No_date    3:30   37.00  n/a
     [L/S/n=   60./2.000/.013]
     [Vmax= 1.825:Dmax=  .116]
     [Din=  .53:Dused=  .53]
003:0399--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe18      .59     .065 No_date    3:30   37.00  n/a
                    +   06:TRA9       2.38     .262 No_date    3:30   37.96  n/a
     [DT= 2.00]  SUM=   09:TRA10      2.97     .327 No_date    3:30   37.77  n/a
003:0400--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A11         .82     .091 No_date    3:30   37.00 .664
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=   .0]
003:0401--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A11         .82     .091 No_date    3:30   37.00  n/a
 *   [RDT= 2.00] out<- 02:Pipe19      .82     .091 No_date    3:30   37.00  n/a
     [L/S/n=   59./2.000/.013]
     [Vmax= 2.021:Dmax=  .137]
     [Din=  .53:Dused=  .53]
003:0402--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA10     2.97     .327 No_date    3:30   37.77  n/a
                    +   02:Pipe19      .82     .091 No_date    3:30   37.00  n/a
     [DT= 2.00]  SUM=   03:TRA11      3.80     .418 No_date    3:30   37.61  n/a
003:0403--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A12         .30     .026 No_date    3:30   26.99 .485
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=   .0]
003:0404--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A12         .30     .026 No_date    3:30   26.99  n/a
 *   [RDT= 2.00] out<- 05:Pipe20      .30     .025 No_date    3:30   26.99  n/a
     [L/S/n=   69./2.000/.013]
     [Vmax= 1.351:Dmax=  .072]
     [Din=  .53:Dused=  .53]
003:0405--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe20      .30     .025 No_date    3:30   26.99  n/a
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                    +   03:TRA11     3.80     .418 No_date    3:30   37.61  n/a
     [DT= 2.00]  SUM=   06:TRA12     4.10     .443 No_date    3:30   36.83  n/a
003:0406--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:A13         .31     .030 No_date    3:30   30.33 .544
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
003:0407--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A13         .31     .030 No_date    3:30   30.33  n/a
 *   [RDT= 2.00] out<- 08:Pipe21      .31     .029 No_date    3:30   30.33  n/a
     [L/S/n=   53./1.900/.013]
     [Vmax= 1.405:Dmax=  .079]
     [Din=  .53:Dused=  .53]
003:0408--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe21      .31     .029 No_date    3:30   30.33  n/a
                    +   06:TRA12     4.10     .443 No_date    3:30   36.83  n/a
     [DT= 2.00]  SUM=   09:TRA13     4.41     .473 No_date    3:30   36.37  n/a
003:0409--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A14         .22     .022 No_date    3:30   30.33 .544
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
003:0410--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A14         .22     .022 No_date    3:30   30.33  n/a
 *   [RDT= 2.00] out<- 02:Pipe22      .22     .021 No_date    3:30   30.33  n/a
     [L/S/n=   52./1.250/.013]
     [Vmax= 1.071:Dmax=  .072]
     [Din=  .60:Dused=  .60]
003:0411--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe22      .22     .021 No_date    3:30   30.33  n/a
                    +   09:TRA13     4.41     .473 No_date    3:30   36.37  n/a
     [DT= 2.00]  SUM=   03:TRA14     4.63     .494 No_date    3:30   36.08  n/a
003:0412--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A15         .24     .023 No_date    3:30   30.33 .544
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
003:0413--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A15         .24     .023 No_date    3:30   30.33  n/a
 *   [RDT= 2.00] out<- 05:Pipe23      .24     .023 No_date    3:30   30.33  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .771:Dmax=  .086]
     [Din=  .75:Dused=  .75]
003:0414--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe23      .24     .023 No_date    3:30   30.33  n/a
                    +   03:TRA14     4.63     .494 No_date    3:30   36.08  n/a
     [DT= 2.00]  SUM=   06:TRA15     4.87     .517 No_date    3:30   35.80  n/a
003:0415--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A101        3.00     .373 No_date    3:30   42.23 .758
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
003:0416--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A101        3.00     .373 No_date    3:30   42.23  n/a
 *   [RDT= 2.00] out<- 02:Pipe24      3.00     .372 No_date    3:30   42.23  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 2.015:Dmax=  .298]
     [Din=  .90:Dused=  .90]
003:0417--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:Pipe24      3.00     .372 No_date    3:30   42.23  n/a
 *   [RDT= 2.00] out<- 03:Pipe25      3.00     .372 No_date    3:30   42.23  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.615:Dmax=  .387]
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```
     {Din=  .75:Dused=  .75}
003:0418--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:TRA15      4.87      .517 No_date    3:30   35.80  n/a
                    +   03:Pipe25      3.00      .372 No_date    3:30   42.23  n/a
     {DT= 2.00}  SUM=   04:TRA101     7.87      .889 No_date    3:30   38.25  n/a
003:0419--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:TRA101     7.87      .889 No_date    3:30   38.25  n/a
 *   {RDT= 2.00} out<- 05:Pipe26     7.87      .887 No_date    3:30   38.25  n/a
     {L/S/n=   51./ .650/.013}
     {Vmax= 2.405:Dmax=  .507}
     {Din=  .90:Dused=  .90}
003:0420--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A102       .74      .107 No_date    3:30   47.96 .861
     {XIMP=.80:TIMP=.80}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0}
003:0421--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A102        .74      .107 No_date    3:30   47.96  n/a
 *   {RDT= 2.00} out<- 02:Pipe27      .74      .107 No_date    3:30   47.96  n/a
     {L/S/n=   42./1.000/.013}
     {Vmax= 1.666:Dmax=  .212}
     {Din=  .38:Dused=  .38}
003:0422--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe26     7.87      .887 No_date    3:30   38.25  n/a
                    +   02:Pipe27      .74      .107 No_date    3:30   47.96  n/a
     {DT= 2.00}  SUM=   04:8thSTR     8.61      .994 No_date    3:30   39.09  n/a
003:0423--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:8thSTR     8.61      .994 No_date    3:30   39.09  n/a
 *   {RDT= 2.00} out<- 05:Pipe28     8.61      .992 No_date    3:30   39.09  n/a
     {L/S/n=   88./3.260/.013}
     {Vmax= 4.533:Dmax=  .372}
     {Din=  .75:Dused=  .75}
003:0424--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      06:A103       2.55      .334 No_date    3:30   42.23 .758
     {XIMP=.60:TIMP=.60}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0}
003:0425--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:A103       2.55      .334 No_date    3:30   42.23  n/a
 *   {RDT= 2.00} out<- 07:Pipe29     2.55      .334 No_date    3:30   42.23  n/a
     {L/S/n=   65./2.800/.013}
     {Vmax= 3.175:Dmax=  .214}
     {Din=  .75:Dused=  .75}
003:0426--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe28     8.61      .992 No_date    3:30   39.09  n/a
                    +   07:Pipe29     2.55      .334 No_date    3:30   42.23  n/a
     {DT= 2.00}  SUM=   08:OSCVIb    11.16     1.326 No_date    3:30   39.80  n/a
003:0427--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      09:AREAB      6.03      .763 No_date    3:30   42.23 .758
     {XIMP=.60:TIMP=.60}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0}
003:0428--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:AREAB      6.03      .763 No_date    3:30   42.23  n/a
                    +   08:OSCVIb    11.16     1.326 No_date    3:30   39.80  n/a
     {DT= 2.00}  SUM=   01:OSCVI     17.19     2.089 No_date    3:30   40.66  n/a
003:0429--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:OSCVI      17.19     2.089 No_date    3:30   40.66  n/a
 *   {RDT= 2.00} out<- 02:Pipe30     17.19     2.084 No_date    3:30   40.66  n/a
     {L/S/n=  150./2.600/.013}
     {Vmax= 4.989:Dmax=  .563}
     {Din=  .90:Dused=  .90}
003:0430--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:HOSP       4.59      .404 No_date    3:32   30.76 .552
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     {XIMP=.20:TIMP=.20}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0}
003:0431--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:HOSP       4.59      .404 No_date    3:32   30.76  n/a
 *   {RDT= 2.00} out<- 04:Pipe31     4.59      .405 No_date    3:32   30.76  n/a
     {L/S/n=  118./6.000/.013}
     {Vmax= 4.421:Dmax=  .289}
     {Din=  .38:Dused=  .38}
003:0432--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe31     4.59      .405 No_date    3:32   30.76  n/a
 *   {RDT= 2.00} out<- 05:Pipe32     4.59      .405 No_date    3:32   30.76  n/a
     {L/S/n=   70./1.100/.013}
     {Vmax= 2.407:Dmax=  .345}
     {Din=  .60:Dused=  .60}
003:0433--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe30    17.19     2.084 No_date    3:30   40.66  n/a
                    +   05:Pipe32     4.59      .405 No_date    3:32   30.76  n/a
     {DT= 2.00}  SUM=   06:TOTHSP    21.78     2.481 No_date    3:30   38.57  n/a
003:0434--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:TOTHSP    21.78     2.481 No_date    3:30   38.57  n/a
 *   {RDT= 2.00} out<- 07:Pipe33    21.78     2.477 No_date    3:30   38.57  n/a
     {L/S/n=   60./4.300/.013}
     {Vmax= 6.304:Dmax=  .534}
     {Din=  .90:Dused=  .90}
003:0435--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      08:104        4.20      .529 No_date    3:30   42.23 .758
     {XIMP=.60:TIMP=.60}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=   .0}
003:0436--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:Pipe33    21.78     2.477 No_date    3:30   38.57  n/a
                    +   08:104        4.20      .529 No_date    3:30   42.23  n/a
     {DT= 2.00}  SUM=   09:TOT104    25.98     3.007 No_date    3:30   39.16  n/a
003:0437--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104    25.98     3.007 No_date    3:30   39.16  n/a
 *   {RDT= 2.00} out<- 01:Pipe34    25.98     3.002 No_date    3:30   39.16  n/a
     {L/S/n=   59./1.300/.013}
     {Vmax= 4.220:Dmax=  .723}
     {Din= 1.20:Dused= 1.20}
003:0438--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:105        3.59      .361 No_date    3:30   32.19 .578
     {XIMP=.25:TIMP=.25}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=   .0}
003:0439--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:105        3.59      .361 No_date    3:30   32.19  n/a
 *   {RDT= 2.00} out<- 03:Pipe35     3.59      .359 No_date    3:30   32.19  n/a
     {L/S/n=   70./ .750/.013}
     {Vmax= 2.021:Dmax=  .363}
     {Din=  .60:Dused=  .60}
003:0440--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35     3.59      .359 No_date    3:30   32.19  n/a
 *   {RDT= 2.00} out<- 04:Pipe36     3.59      .355 No_date    3:30   32.19  n/a
     {L/S/n=  120./1.050/.013}
     {Vmax= 2.297:Dmax=  .325}
     {Din=  .60:Dused=  .60}
003:0441--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:105.2      2.44      .249 No_date    3:30   33.63 .604
     {XIMP=.30:TIMP=.30}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=   .0}
003:0442--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ADD HYD            04:Pipe36     3.59     .355 No_date    3:30   32.19  n/a
                     + 05:105.2      2.44     .249 No_date    3:30   33.63  n/a
     [DT= 2.00]  SUM=  06:T105.2     6.03     .605 No_date    3:30   32.77  n/a
003:0443--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2     6.03     .605 No_date    3:30   32.77  n/a
 *   [RDT= 2.00] out<- 07:Pipe37     6.03     .603 No_date    3:30   32.77  n/a
     [L/S/n=   75./2.800/.013]
     [Vmax= 3.779:Dmax=  .331]
     [Din=  .60:Dused=  .60]
003:0444--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37     6.03     .603 No_date    3:30   32.77  n/a
 *   [RDT= 2.00] out<- 08:Pipe38     6.03     .600 No_date    3:30   32.77  n/a
     [L/S/n=   69./2.200/.013]
     [Vmax= 3.442:Dmax=  .356]
     [Din=  .60:Dused=  .60]
003:0445--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     09:AREA A      2.34     .218 No_date    3:30   26.85 .482
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0[
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=   .0]
003:0446--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREA A      2.34     .218 No_date    3:30   26.85  n/a
                     + 08:Pipe38      6.03     .600 No_date    3:30   32.77  n/a
     [DT= 2.00]  SUM=  02:OSCVIA     8.37     .819 No_date    3:30   31.12  n/a
003:0447--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:OSCVIA     8.37     .819 No_date    3:30   31.12  n/a
 *   [RDT= 2.00] out<- 03:Pipe39     8.37     .817 No_date    3:30   31.12  n/a
     [L/S/n=   50./3.000/.013]
     [Vmax= 4.148:Dmax=  .395]
     [Din=  .60:Dused=  .60]
003:0448--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe39     8.37     .817 No_date    3:30   31.12  n/a
 *   [RDT= 2.00] out<- 04:Pipe40     8.37     .815 No_date    3:30   31.12  n/a
     [L/S/n=   30./1.000/.013]
     [Vmax= 2.754:Dmax=  .477]
     [Din=  .75:Dused=  .75]
003:0449--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:Pipe34    25.98    3.002 No_date    3:30   39.16  n/a
                     + 04:Pipe40      8.37     .815 No_date    3:30   31.12  n/a
     [DT= 2.00]  SUM=  05:16&10     34.35    3.817 No_date    3:30   37.20  n/a
003:0450--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16&10     34.35    3.817 No_date    3:30   37.20  n/a
 *   [RDT= 2.00] out<- 06:Pipe41    34.35    3.804 No_date    3:30   37.20  n/a
     [L/S/n=   80./ .600/.013]
     [Vmax= 3.349:Dmax=  .922]
     [Din= 1.50:Dused= 1.50]
003:0451--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:999         4.20     .244 No_date    3:30   30.76 .552
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
003:0452--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:999         4.20     .244 No_date    3:30   30.76  n/a
 *   [RDT= 2.00] out<- 08:Pipe42     4.20     .242 No_date    3:30   30.76  n/a
     [L/S/n=  100./3.000/.013]
     [Vmax= 3.094:Dmax=  .223]
     [Din=  .45:Dused=  .45]
003:0453--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe42     4.20     .242 No_date    3:30   30.76  n/a
                     + 06:Pipe41    34.35    3.804 No_date    3:30   37.20  n/a
     [DT= 2.00]  SUM=  09:TRA999    38.55    4.046 No_date    3:30   36.50  n/a
003:0454--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:106         1.95     .167 No_date    3:30   30.76 .552
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
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     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=   .0]
003:0455--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA999    38.55    4.046 No_date    3:30   36.50  n/a
                     + 01:106        1.95     .167 No_date    3:30   30.76  n/a
     [DT= 2.00]  SUM=  02:TRA106    40.50    4.213 No_date    3:30   36.22  n/a
003:0456--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 02:TRA106    40.50    4.213 No_date    3:30   36.22  n/a
     [RDT= 2.00] out<- 03:CHAN-1    40.50    4.171 No_date    3:30   36.22  n/a
     [L/S/n=  150./2.000/.035]
     [Vmax= 2.193:Dmax=  .533]
003:0457--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1    40.50    4.171 No_date    3:30   36.22  n/a
     [RDT= 2.00] out<- 04:POND1     40.50     .498 No_date    4:46   36.22  n/a
     [MxStoUsed=.1039E+01]
003:0458--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     05:107.1       .96     .102 No_date    3:30   36.49 .655
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
003:0459--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:107.1       .96     .102 No_date    3:30   36.49  n/a
 *   [RDT= 2.00] out<- 06:Pipe43      .96     .102 No_date    3:30   36.49  n/a
     [L/S/n=   43./2.400/.013]
     [Vmax= 2.281:Dmax=  .182]
     [Din=  .30:Dused=  .30]
003:0460--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:107.2       .30     .032 No_date    3:30   36.49 .655
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
003:0461--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:107.2       .30     .032 No_date    3:30   36.49  n/a
                     + 06:Pipe43      .96     .102 No_date    3:30   36.49  n/a
     [DT= 2.00]  SUM=  08:T107.2     1.26     .134 No_date    3:30   36.49  n/a
003:0462--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 08:T107.2     1.26     .134 No_date    3:30   36.49  n/a
 *   [RDT= 2.00] out<- 09:Pipe44     1.26     .134 No_date    3:30   36.49  n/a
     [L/S/n=   65./2.200/.013]
     [Vmax= 2.371:Dmax=  .191]
     [Din=  .38:Dused=  .38]
003:0463--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:107.3       .30     .032 No_date    3:30   36.49 .655
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
003:0464--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:107.3       .30     .032 No_date    3:30   36.49  n/a
                     + 09:Pipe44      1.26     .134 No_date    3:30   36.49  n/a
     [DT= 2.00]  SUM=  02:T107.3     1.56     .166 No_date    3:30   36.50  n/a
003:0465--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:T107.3     1.56     .166 No_date    3:30   36.50  n/a
 *   ]RDT= 2.00] out<- 03:Pipe45     1.56     .165 No_date    3:30   36.49  n/a
     [L/S/n=   55./1.900/.013]
     [Vmax= 2.362:Dmax=  .204]
     [Din=  .45:Dused=  .45]
003:0466--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:Pipe45     1.56     .165 No_date    3:30   36.49  n/a
                     + 04:POND1     40.50     .498 No_date    4:46   36.22  n/a
     [DT= 2.00]  SUM=  05:16+10     42.06     .516 No_date    4:44   36.23  n/a
003:0467--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16+10     42.06     .516 No_date    4:44   36.23  n/a
 *   [RDT= 2.00] out<- 06:Pipe46    42.06     .516 No_date    4:44   36.23  n/a
     [L/S/n=   94./ .600/.013]
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     {Vmax= 1.984:Dmax=  .334}
     [Din= 1.20:Dused= 1.20}
003:0468--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *   CALIB STANDHYD     07:900        7.25     .895 No_date    3:30   42.23 .758
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0]
003:0469--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900        7.25     .895 No_date    3:30   42.23  n/a
     [RDT= 2.00] out<- 08:POND2      7.25     .515 No_date    3:34   42.23  n/a
    {MxStoUsed=.7548E-01}
003:0470--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 08:POND2      7.25     .515 No_date    3:34   42.23  n/a
 *   [RDT= 2.00] out<- 09:Pipe47     7.25     .512 No_date    3:36   42.23  n/a
     [L/S/n=  250./ .400/.013]
     {Vmax= 1.741:Dmax=  .476}
     [Din=  .75:Dused=  .75}
003:0471--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:Pipe47     7.25     .512 No_date    3:36   42.23  n/a
                   +   06:Pipe46    42.06     .516 No_date    4:44   36.23  n/a
     [DT= 2.00]  SUM=  01:TRP2      49.31     .920 No_date    3:32   37.11  n/a
003:0472--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *   CALIB STANDHYD     02:108        1.10     .117 No_date    3:30   36.49 .655
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
003:0473--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:TRP2      49.31     .920 No_date    3:32   37.11  n/a
                   +   02:108        1.10     .117 No_date    3:30   36.49  n/a
     [DT= 2.00]  SUM=  03:T108      50.41    1.029 No_date    3:30   37.10  n/a
003:0474--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:T108      50.41    1.029 No_date    3:30   37.10  n/a
 *   [RDT= 2.00] out<- 04:Pipe48    50.41    1.024 No_date    3:30   37.10  n/a
     [L/S/n=   60./ .580/.013]
     {Vmax= 2.382:Dmax=  .487}
     [Din= 1.20:Dused= 1.20}
003:0475--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe48    50.41    1.024 No_date    3:30   37.10  n/a
 *   [RDT= 2.00] out<- 05:Pipe49    50.41    1.020 No_date    3:30   37.10  n/a
     [L/S/n=   59./ .630/.013]
     {Vmax= 2.451:Dmax=  .474}
     [Din= 1.20:Dused= 1.20}
003:0476--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:ANDPET     7.70     .641 No_date    3:30   33.71 .605
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0]
003:0477--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET     7.70     .641 No_date    3:30   33.71  n/a
     [RDT= 2.00] out<- 07:ANDPND     7.70     .438 No_date    3:32   33.71  n/a
    {MxStoUsed=.5457E-01}
003:0478--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:ANDPND     7.70     .438 No_date    3:32   33.71  n/a
 *   [RDT= 2.00] out<- 08:Pipe50     7.70     .434 No_date    3:32   33.71  n/a
     [L/S/n=   59./ .200/.013]
     {Vmax= 1.272:Dmax=  .546}
     [Din=  .75:Dused=  .75}
003:0479--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe49     50.41    1.020 No_date    3:30   37.10  n/a
                   +   08:Pipe50      7.70     .434 No_date    3:32   33.71  n/a
     [DT= 2.00]  SUM=  09:TOTAND     58.11    1.453 No_date    3:32   36.65  n/a
003:0480--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:RETRES      .90     .098 No_date    3:30   38.90 .698
     [XIMP=.63:TIMP=.63]
```



```
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0]
003:0481--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES      .90     .098 No_date    3:30   38.90  n/a
 *   [RDT= 2.00] out<- 02:POND3       .90     .100 No_date    3:24   38.90  n/a
    {MxStoUsed=.9107E-02}
003:0482--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TOTAND     58.11    1.453 No_date    3:32   36.65  n/a
                   +   02:POND3       .90     .100 No_date    3:24   38.90  n/a
     [DT= 2.00]  SUM=  05:TOT16      59.01    1.547 No_date    3:30   36.69  n/a
003:0483--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:WLMRT      20.72    2.228 No_date    3:30   41.78 .750
     [XIMP=.65:TIMP=.65]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0]
003:0484--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT       1.58     .112 No_date    3:30   20.88 .375
     [CN= 78.0: N= 3.00]
     [Tp=  .11:DT= 2.00]
003:0485--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT      20.72    2.228 No_date    3:30   41.78  n/a
                   +   07:WEXT       1.58     .112 No_date    3:30   20.88  n/a
     [DT= 2.00]  SUM=  08:TWLMRT     22.30    2.340 No_date    3:30   40.30  n/a
003:0486--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT     22.30    2.340 No_date    3:30   40.30  n/a
     [RDT= 2.00] out<- 09:WMRTPD     22.30     .874 No_date    3:56   40.30  n/a
    {MxStoUsed=.3816E+00}
003:0487--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:WMRTPD     22.30     .874 No_date    3:56   40.30  n/a
     [RDT= 2.00] out<- 01:16thST     22.30     .874 No_date    3:56   40.30  n/a
     [L/S/n=  180./ .580/.013]
     {Vmax= 2.294:Dmax=  .474}
     [Din= 1.05:Dused= 1.05]
003:0488--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT       3.62     .547 No_date    3:30   52.00 .934
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0]
003:0489--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16      59.01    1.547 No_date    3:30   36.69  n/a
                   +   01:16thST     22.30     .874 No_date    3:56   40.30  n/a
     [DT= 2.00]  SUM=  04:TN1        81.31    2.251 No_date    3:32   37.68  n/a
003:0490--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT       3.62     .547 No_date    3:30   52.00  n/a
                   +   04:TN1        81.31    2.251 No_date    3:32   37.68  n/a
     [DT= 2.00]  SUM=  03:TND1       84.93    2.768 No_date    3:32   38.29  n/a
003:0491--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:TND1       84.93    2.768 No_date    3:32   38.29  n/a
     [RDT= 2.00] out<- 04:ND1ND2     84.93    2.772 No_date    3:32   38.29  n/a
     [L/S/n=  150./ .730/.013]
     {Vmax= 3.045:Dmax=  .470}
     {HGTH= 1.22:WDTH= 1.93}
003:0492--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a       4.44     .225 No_date    3:34   17.85 .321
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
003:0493--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD          05:CA2a       4.44     .225 No_date    3:34   17.85  n/a
     [LAG=  5.7 min]<- 06:SH2a       4.44     .225 No_date    3:38   17.85  n/a
003:0494--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a       5.11     .572 No_date    3:30   40.32 .724
     [XIMP=.55:TIMP=.66]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0]
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     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0]
003:0495--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:CA3a       5.11     .572 No_date    3:30   40.32  n/a
     [LAG=  2.5 min]<- 08:SH3a       5.11     .572 No_date    3:32   40.32  n/a
003:0496--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b       2.82     .385 No_date    3:30   47.23 .848
     [XIMP=.81:TIMP=.81]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0]
003:0497--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM     1.10     .168 No_date    3:30   52.00 .934
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0]
003:0498--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10     .168 No_date    3:30   52.00  n/a
     [RDT= 2.00] out<- 02:ACPND      1.10     .157 No_date    3:30   52.00  n/a
     (MxStoUsed=.9499E-02)
003:0499--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           04:ND1ND2    84.93    2.772 No_date    3:32   38.29  n/a
                    + 06:SH2a       4.44     .225 No_date    3:38   17.85  n/a
     [DT= 2.00]  SUM= 03:T2a       89.37    2.957 No_date    3:32   37.27  n/a
003:0500--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           03:T2a       89.37    2.957 No_date    3:32   37.27  n/a
                    + 08:SH3a       5.11     .572 No_date    3:32   40.32  n/a
     [DT= 2.00]  SUM= 04:T2b       94.48    3.529 No_date    3:32   37.44  n/a
003:0501--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           04:T2b       94.48    3.529 No_date    3:32   37.44  n/a
                    + 02:ACPND      1.10     .157 No_date    3:30   52.00  n/a
     [DT= 2.00]  SUM= 05:T2c       95.58    3.683 No_date    3:32   37.60  n/a
003:0502--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           05:T2c       95.58    3.683 No_date    3:32   37.60  n/a
                    + 09:CA3b       2.82     .385 No_date    3:30   47.23  n/a
     [DT= 2.00]  SUM= 03:TND2      98.40    4.023 No_date    3:32   37.88  n/a
003:0503--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    03:TND2      98.40    4.023 No_date    3:32   37.88  n/a
       Major System /  04:CHAN       2.39    1.003 No_date    3:32   37.88  n/a
       Minor System \  05:PIPE      96.01    3.020 No_date    3:18   37.88  n/a
003:0504--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:PIPE      96.01    3.020 No_date    3:18   37.88  n/a
     [RDT= 2.00] out<- 06:N3N4P     96.01    3.020 No_date    3:46   37.88  n/a
     [L/S/n=  640./ .600/.013]
     (Vmax= 3.043:Dmax=  .985)
     [Din= 1.20:Dused= 1.20)
003:0505--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:CHAN       2.39    1.003 No_date    3:32   37.88  n/a
 *   [RDT= 2.00] out<- 07:N2N3C      2.39     .866 No_date    3:34   37.88  n/a
     [L/S/n=  240./ .650/.035]
     (Vmax=  .907:Dmax=  .285)
003:0506--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA1       16.29     .199 No_date    5:10   14.78 .265
     (CN= 72.0: N= 3.00]
     (Tp= 1.37:DT= 2.00]
003:0507--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA1       16.29     .199 No_date    5:10   14.78  n/a
     [LAG= 34.4 min]<- 09:SH1       16.29     .199 No_date    5:44   14.78  n/a
003:0508--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA2b       5.16     .164 No_date    3:44   15.51 .278
     (CN= 73.0: N= 3.00]
     (Tp=  .33:DT= 2.00]
003:0509--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:CA2b       5.16     .164 No_date    3:44   15.51  n/a
     [LAG= 37.7 min]<- 03:SH2b       5.16     .164 No_date    4:20   15.51  n/a
003:0510--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:CA4b      14.53     .884 No_date    3:36   31.53 .566
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     [XIMP=.25:TIMP=.44]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0]
003:0511--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:MALL      13.24    1.526 No_date    3:32   47.76 .857
     [XIMP=.63:TIMP=.89]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0]
003:0512--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    05:MALL      13.24    1.526 No_date    3:32   47.76  n/a
       Major System /  08:CHAN       2.21     .739 No_date    3:32   47.76  n/a
       Minor System \  01:PIPE      11.03     .787 No_date    3:12   47.76  n/a
003:0513--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           07:N2N3C      2.39     .866 No_date    3:34   37.88  n/a
                    + 09:SH1       16.29     .199 No_date    5:44   14.78  n/a
     [DT= 2.00]  SUM= 02:T3a       18.68     .866 No_date    3:34   17.74  n/a
003:0514--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           02:T3a       18.68     .866 No_date    3:34   17.74  n/a
                    + 03:SH2b       5.16     .164 No_date    4:20   15.51  n/a
     [DT= 2.00]  SUM= 07:T3a       23.84     .866 No_date    3:34   17.25  n/a
003:0515--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           07:T3a       23.84     .866 No_date    3:34   17.25  n/a
                    + 04:CA4b      14.53     .884 No_date    3:36   31.53  n/a
     [DT= 2.00]  SUM= 02:T3b       38.37    1.739 No_date    3:34   22.66  n/a
003:0516--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           08:CHAN       2.21     .739 No_date    3:32   47.76  n/a
                    + 02:T3b       38.37    1.739 No_date    3:34   22.66  n/a
     [DT= 2.00]  SUM= 03:TND3      40.58    2.458 No_date    3:34   24.03  n/a
003:0517--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND3      40.58    2.458 No_date    3:34   24.03  n/a
 *   [RDT= 2.00] out<- 07:ND3ND4    40.58    2.216 No_date    3:36   24.03  n/a
     [L/S/n=  390./ .650/.035]
     (Vmax= 1.201:Dmax=  .462)
003:0518--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:CA5       15.85     .978 No_date    3:30   30.15 .541
     [XIMP=.32:TIMP=.47]
     |LOSS= 2 :CN= 69.0]
     [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
003:0519--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA5       15.85     .978 No_date    3:30   30.15  n/a
     [LAG=  5.9 min]<- 09:SH5       15.85     .978 No_date    3:34   30.15  n/a
003:0520--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CA6b      32.10    1.266 No_date    3:34   30.00 .539
     [XIMP=.20:TIMP=.40]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
003:0521--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           02:CA6b      32.10    1.266 No_date    3:34   30.00  n/a
                    + 09:SH5       15.85     .978 No_date    3:34   30.15  n/a
     [DT= 2.00]  SUM= 08:T56ND3    47.95    2.243 No_date    3:34   30.05  n/a
003:0522--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA7        2.90     .161 No_date    3:30   26.53 .476
     [XIMP=.33:TIMP=.38]
     [LOSS= 2 :CN= 63.0]
     [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
003:0523--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA7        2.90     .161 No_date    3:30   26.53  n/a
     [LAG=  6.6 min]<- 04:SH7        2.90     .161 No_date    3:36   26.53  n/a
003:0524--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:CA8        8.01    1.063 No_date    3:30   46.69 .838
     [XIMP=.73:TIMP=.84]
     [LOSS= 2 :CN= 76.0]
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     (Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0)
003:0525--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA8        8.01    1.063 No_date    3:30   46.69  n/a
     (LAG=  2.9 min)<- 02:SH8        8.01    1.063 No_date    3:32   46.69  n/a
003:0526--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA11       4.18     .274 No_date    3:32   30.47 .547
     (XIMP=.28:TIMP=.36)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0)
003:0527--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:SH7        2.90     .161 No_date    3:36   26.53  n/a
                   +   02:SH8        8.01    1.063 No_date    3:32   46.69  n/a
     (DT= 2.00)  SUM=  05:T7811a    10.91    1.220 No_date    3:32   41.33  n/a
003:0528--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T7811a    10.91    1.220 No_date    3:32   41.33  n/a
                   +   03:CA11       4.18     .274 No_date    3:32   30.47  n/a
     (DT= 2.00)  SUM=  04:T7811b    15.09    1.494 No_date    3:32   38.32  n/a
003:0529--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:T56ND3    47.95    2.243 No_date    3:34   30.05  n/a
                   +   04:T7811b    15.09    1.494 No_date    3:32   38.32  n/a
     (DT= 2.00)  SUM=  05:T7811     63.04    3.704 No_date    3:32   32.03  n/a
003:0530--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:ND3ND4    40.58    2.216 No_date    3:36   24.03  n/a
                   +   05:T7811     63.04    3.704 No_date    3:32   32.03  n/a
     (DT= 2.00)  SUM=  02:T56781   103.62    5.723 No_date    3:34   28.90  n/a
003:0531--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA3c       1.14     .108 No_date    3:30   35.76 .642
     (XIMP=.45:TIMP=.50)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0)
003:0532--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:CA3c       1.14     .108 No_date    3:30   35.76  n/a
     (RDT= 2.00) out<- 04:3cPIPE     1.14     .104 No_date    3:30   35.76  n/a
     (L/S/n=  240./ .200/.013)
     (Vmax=  .913:Dmax=  .262)
     (Din=  .60:Dused=  .60)
003:0533--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:CA4a       1.86     .250 No_date    3:30   46.04 .827
     (XIMP=.75:TIMP=.80)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0)
003:0534--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:PIPE      11.03     .787 No_date    3:12   47.76  n/a
                   +   05:CA4a       1.86     .250 No_date    3:30   46.04  n/a
     (DT= 2.00)  SUM=  08:TMLL4a    12.89    1.037 No_date    3:30   47.51  n/a
003:0535--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TMLL4a    12.89    1.037 No_date    3:30   47.51  n/a
                   +   04:3cPIPE     1.14     .104 No_date    3:30   35.76  n/a
     (DT= 2.00)  SUM=  07:TMLL3c    14.03    1.142 No_date    3:30   46.56  n/a
003:0536--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c    14.03    1.142 No_date    3:30   46.56  n/a
     (RDT= 2.00) out<- 09:ML3CN4    14.03    1.137 No_date    3:30   46.56  n/a
     (L/S/n=  405./ .600/.013)
     (Vmax= 2.126:Dmax=  .276)
     (HGTH= 1.22:WDTH= 1.93)
003:0537--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA6a       3.04     .129 No_date    3:36   16.61 .298
     (CN= 74.0: N= 3.00)
     (Tp=  .23:DT= 2.00)
003:0538--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:CA6a       3.04     .129 No_date    3:36   16.61  n/a
                   +   09:ML3CN4    14.03    1.137 No_date    3:30   46.56  n/a
     (DT= 2.00)  SUM=  01:ML436a    17.07    1.247 No_date    3:30   41.23  n/a
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003:0539--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:T56781   103.62    5.723 No_date    3:34   28.90  n/a
                   +   01:ML436a    17.07    1.247 No_date    3:30   41.23  n/a
     (DT= 2.00)  SUM=  03:ML436b   120.69    6.904 No_date    3:34   30.64  n/a
003:0540--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:N3N4P     96.01    3.020 No_date    3:46   37.88  n/a
                   +   03:ML436b   120.69    6.904 No_date    3:34   30.64  n/a
     (DT= 2.00)  SUM=  04:TND4     216.70    9.919 No_date    3:34   33.85  n/a
003:0541--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:TND4     216.70    9.919 No_date    3:34   33.85  n/a
     (RDT= 2.00) out<- 02:ND4ND5   216.70    9.556 No_date    3:36   33.85  n/a
     (L/S/n=  697./ .650/.035)
     (Vmax= 2.382:Dmax= 1.636)
003:0542--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:MLLRE      1.26     .157 No_date    3:30   42.74 .767
     (XIMP=.60:TIMP=.74)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0)
003:0543--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:MLLRE      1.26     .157 No_date    3:30   42.74  n/a
     (RDT= 2.00) out<- 04:MLLRCE     1.26     .085 No_date    3:36   42.74  n/a
     (MxStoUsed=.1316E-01)
003:0544--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 04:MLLRCE     1.26     .085 No_date    3:36   42.74  n/a
     (LAG= 18.8 min)<- 05:SHMLRE     1.26     .085 No_date    3:54   42.74  n/a
003:0545--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:MLLRW      1.73     .245 No_date    3:30   49.21 .883
     (XIMP=.82:TIMP=.90)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0)
003:0546--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:MLLRW      1.73     .245 No_date    3:30   49.21  n/a
     (RDT= 2.00) out<- 07:MLLRCW     1.73     .171 No_date    3:34   49.21  n/a
     (MxStoUsed=.2116E-01)
003:0547--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:MLLRCW     1.73     .171 No_date    3:34   49.21  n/a
     (LAG= 13.4 min)<- 08:SHMLRW     1.73     .171 No_date    3:46   49.21  n/a
003:0548--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA9        7.85     .604 No_date    3:30   33.72 .605
     (XIMP=.42:TIMP=.43)
     (LOSS= 2 :CN= 75.0)
     (Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0)
003:0549--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TOTMLR     1.73     .171 No_date    3:46   49.21  n/a
                   +   05:SHMLRE     1.26     .085 No_date    3:54   42.74  n/a
     (DT= 2.00)  SUM=  08:TOTMLR     2.99     .253 No_date    3:48   46.48  n/a
003:0550--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:CA9        7.85     .604 No_date    3:30   33.72  n/a
                   +   08:TOTMLR     2.99     .253 No_date    3:48   46.48  n/a
     (DT= 2.00)  SUM=  03:T9MLR     10.84     .794 No_date    3:30   37.24  n/a
003:0551--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:T9MLR     10.84     .794 No_date    3:30   37.24  n/a
     (LAG= 19.3 min)<- 04:CA9       10.84     .794 No_date    3:48   37.24  n/a
003:0552--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA10      17.87     .894 No_date    3:34   17.67 .317
     (CN= 77.0: N= 3.00)
     (Tp=  .19:DT= 2.00)
003:0553--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:CA13       7.15     .530 No_date    3:30   34.67 .622
     (XIMP=.44:TIMP=.54)
     (LOSS= 2 :CN= 74.0)
     (Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0)
003:0554--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    CALIB STANDHYD      07:CA14       7.52      .407 No_date    3:30   28.96 .520
     [XIMP=.32:TIMP=.35]
     [LOSS= 2 :CN= 74.0]
     [Pervious      area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0]
003:0555---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:CA10      17.87      .894 No_date    3:34   17.67  n/a
                      + 06:CA13       7.15      .530 No_date    3:30   34.67  n/a
     [DT= 2.00]  SUM=  08:T1013      25.02     1.340 No_date    3:30   22.53  n/a
003:0556---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:T1013     25.02     1.340 No_date    3:30   22.53  n/a
                      + 04:CA9       10.84      .794 No_date    3:48   37.24  n/a
     [DT= 2.00]  SUM=  03:T14       35.86     1.899 No_date    3:32   26.97  n/a
003:0557---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T14       35.86     1.899 No_date    3:32   26.97  n/a
                      + 07:CA14       7.52      .407 No_date    3:30   28.96  n/a
     [DT= 2.00]  SUM=  04:T91013     43.38     2.292 No_date    3:30   27.32  n/a
003:0558---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND4ND5   216.70     9.556 No_date    3:36   33.85  n/a
                      + 04:T91013     43.38     2.292 No_date    3:30   27.32  n/a
     [DT= 2.00]  SUM=  07:TND5      260.08    11.488 No_date    3:36   32.76  n/a
003:0559---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 07:TND5      260.08    11.488 No_date    3:36   32.76  n/a
     [RDT= 2.00] out<- 08:ND5ND6    260.08    11.264 No_date    3:38   32.76  n/a
     [L/S/n=  578./1.640/.035]
     {Vmax= 1.982:Dmax= 1.632}
003:0560---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        09:CA15      18.10      .821 No_date    3:38   18.35 .329
     [CN= 77.0: N= 3.00]
     [Tp=  .25:DT= 2.00]
003:0561---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:UNGAS       .99      .077 No_date    3:30   26.14 .469
     [XIMP=.22:TIMP=.22]
     [LOSS= 2 :CN= 74.0]
     [Pervious      area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
003:0562---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:UNGAS        .99      .077 No_date    3:30   26.14  n/a
     [RDT= 2.00] out<- 02:UNGPND       .99      .023 No_date    4:02   26.14  n/a
     {MxStoUsed=.1161E-01}
003:0563---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 02:UNGPND       .99      .023 No_date    4:02   26.14  n/a
     [LAG= 16.3 min]<- 03:SHUNGS       .99      .023 No_date    4:18   26.14  n/a
003:0564---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:SHUNGS      .99      .023 No_date    4:18   26.14  n/a
                      + 09:CA15       18.10      .821 No_date    3:38   18.35  n/a
     [DT= 2.00]  SUM=  01:T15        19.09      .836 No_date    3:38   18.75  n/a
003:0565---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:T15       19.09      .836 No_date    3:38   18.75  n/a
                      + 08:ND5ND6    260.08    11.264 No_date    3:38   32.76  n/a
     [DT= 2.00]  SUM=  03:TND6      279.17    12.100 No_date    3:38   31.80  n/a
003:0566---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 03:TND6      279.17    12.100 No_date    3:38   31.80  n/a
     [RDT= 2.00] out<- 02:ND6ND8    279.17    11.989 No_date    3:42   31.80  n/a
     [L/S/n=  503./1.290/.035]
     {Vmax= 2.742:Dmax= 1.249}
003:0567---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        03:CA16      30.39      .493 No_date    4:44   16.21 .291
     [CN= 74.0: N= 3.00]
     [Tp= 1.05:DT= 2.00]
003:0568---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 03:CA16       30.39      .493 No_date    4:44   16.21  n/a
     [LAG=  7.2 min]<- 04:SH16       30.39      .493 No_date    4:50   16.21  n/a
003:0569---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        05:CA17      19.13     1.136 No_date    3:34   19.75 .355
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
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003:0570---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH16      30.39      .493 No_date    4:50   16.21  n/a
                      + 05:CA17       19.13     1.136 No_date    3:34   19.75  n/a
     [DT= 2.00]  SUM=  06:T1716      49.52     1.195 No_date    3:34   17.58  n/a
003:0571---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND6ND8   279.17    11.989 No_date    3:42   31.80  n/a
                      + 06:T1716      49.52     1.195 No_date    3:34   17.58  n/a
     [DT= 2.00]  SUM=  05:TND8      328.69    13.047 No_date    3:40   29.66  n/a
003:0572---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 05:TND8      328.69    13.047 No_date    3:40   29.66  n/a
     [RDT= 2.00] out<- 06:ND8ND9    328.69    12.927 No_date    3:42   29.66  n/a
     [L/S/n=  405./1.480/.045]
     {Vmax= 2.167:Dmax= 1.032}
003:0573---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        07:CA18      12.02      .421 No_date    3:50   19.00 .341
     [CN= 78.0: N= 3.00]
     [Tp=  .41:DT= 2.00]
003:0574---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:CA18      12.02      .421 No_date    3:50   19.00  n/a
                      + 06:ND8ND9    328.69    12.927 No_date    3:42   29.66  n/a
     [DT= 2.00]  SUM=  08:TND9      340.71    13.321 No_date    3:42   29.28  n/a
003:0575---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 08:TND9      340.71    13.321 No_date    3:42   29.28  n/a
     [RDT= 2.00] out<- 09:ND9ND1    340.71    13.195 No_date    3:46   29.28  n/a
     [L/S/n=  505./1.900/.045]
     {Vmax= 2.145:Dmax=  .801}
003:0576---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        01:CA19       1.18      .058 No_date    3:34   16.61 .298
     [CN= 74.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
003:0577---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        02:CA20       7.54      .163 No_date    4:08   14.88 .267
     [CN= 72.0: N= 3.00]
     [Tp=  .59:DT= 2.00]
003:0578---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:CA19       1.18      .058 No_date    3:34   16.61  n/a
                      + 02:CA20       7.54      .163 No_date    4:08   14.88  n/a
     [DT= 2.00]  SUM=  03:T1920       8.72      .186 No_date    4:04   15.12  n/a
003:0579---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T1920      8.72      .186 No_date    4:04   15.12  n/a
                      + 09:ND9ND1    340.71    13.195 No_date    3:46   29.28  n/a
     [DT= 2.00]  SUM=  04:TND10     349.43    13.361 No_date    3:46   28.93  n/a
  ** END OF RUN :   3

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




RUN:COMMAND#
004:0582---------------------------------------------------------------------------
    START
     [TZERO =    .00 hrs on        0]
     [METOUT=   2    (1=imperial, 2=metric output)]
     [NSTORM=   1 ]        ,
     [NRUN  =   4 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
004:0584---------------------------------------------------------------------------
    READ STORM
     Filename = STORM.001
     Comment  = 25-Year SCS Type-II Storm Distribution (6-hour) Owen Sound,
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     [SDT=30.00:SDUR=   6.50:PTOT= 65.00]
004:0585--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:TRA7       1.82     .251 No_date    3:30   48.40 .745
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=   .0]
004:0586--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A8         .28     .038 No_date    3:30   44.75 .688
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=   .0]
004:0587--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A8         .28     .038 No_date    3:30   44.75  n/a
 *   [RDT= 2.00] out<- 02:Pipe16     .28     .038 No_date    3:30   44.75  n/a
     [L/S/n=   15./2.000/.013]
     [Vmax= 1.548:Dmax=  .088)
     [Din=  .53:Dused=  .53]
004:0588--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe16     .28     .038 No_date    3:30   44.75  n/a
                   +   04:TRA7      1.82     .251 No_date    3:30   48.40  n/a
     [DT= 2.00]  SUM=  03:TRA8      2.10     .289 No_date    3:30   47.91  n/a
004:0589--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A9         .28     .029 No_date    3:30   30.15 .464
     [XIMP=.10:TIMP=.10]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=   .0]
004:0590--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A9         .28     .029 No_date    3:30   30.15  n/a
 *   [RDT= 2.00] out<- 05:Pipe17     .28     .029 No_date    3:30   30.15  n/a
     [L/S/n=   29./2.000/.013]
     [Vmax= 1.411:Dmax=  .077)
     [Din=  .53:Dused=  .53]
004:0591--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe17     .28     .029 No_date    3:30   30.15  n/a
                   +   03:TRA8      2.10     .289 No_date    3:30   47.91  n/a
     [DT= 2.00]  SUM=  06:TRA9      2.38     .318 No_date    3:30   45.80  n/a
004:0592--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:A10        .59     .080 No_date    3:30   44.75 .688
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
004:0593--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A10        .59     .080 No_date    3:30   44.75  n/a
 *   [RDT= 2.00] out<- 08:Pipe18     .59     .079 No_date    3:30   44.75  n/a
     [L/S/n=   60./2.000/.013]
     [Vmax= 1.927:Dmax=  .128)
     [Din=  .53:Dused=  .53]
004:0594--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe18     .59     .079 No_date    3:30   44.75  n/a
                   +   06:TRA9      2.38     .318 No_date    3:30   45.80  n/a
     [DT= 2.00]  SUM=  09:TRA10     2.97     .397 No_date    3:30   45.59  n/a
004:0595--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A11        .82     .111 No_date    3:30   44.75 .688
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=   .0]
004:0596--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A11        .82     .111 No_date    3:30   44.75  n/a
 *   [RDT= 2.00] out<- 02:Pipe19     .82     .111 No_date    3:30   44.75  n/a
     [L/S/n=   59./2.000/.013]
     [Vmax= 2.126:Dmax=  .151)
     [Din=  .53:Dused=  .53]
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004:0597--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA10      2.97     .397 No_date    3:30   45.59  n/a
                   +   02:Pipe19      .82     .111 No_date    3:30   44.75  n/a
     [DT= 2.00]  SUM=  03:TRA11     3.80     .508 No_date    3:30   45.41  n/a
004:0598--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A12        .30     .033 No_date    3:30   33.80 .520
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=   .0]
004:0599--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A12        .30     .033 No_date    3:30   33.80  n/a
 *   [RDT= 2.00] out<- 05:Pipe20     .30     .032 No_date    3:30   33.80  n/a
     [L/S/n=   69./2.000/.013]
     [Vmax= 1.493:Dmax=  .082)
     [Din=  .53:Dused=  .53]
004:0600--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe20     .30     .032 No_date    3:30   33.80  n/a
                   +   03:TRA11     3.80     .508 No_date    3:30   45.41  n/a
     [DT= 2.00]  SUM=  06:TRA12     4.10     .540 No_date    3:30   44.56  n/a
004:0601--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:A13        .31     .037 No_date    3:30   37.45 .576
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
004:0602--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A13        .31     .037 No_date    3:30   37.45  n/a
 *   [RDT= 2.00] out<- 08:Pipe21     .31     .037 No_date    3:30   37.45  n/a
     [L/S/n=   53./1.900/.013]
     [Vmax= 1.505:Dmax=  .088)
     [Din=  .53:Dused=  .53]
004:0603--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe21     .31     .037 No_date    3:30   37.45  n/a
                   +   06:TRA12     4.10     .540 No_date    3:30   44.56  n/a
     [DT= 2.00]  SUM=  09:TRA13     4.41     .577 No_date    3:30   44.06  n/a
004:0604--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A14        .22     .027 No_date    3:30   37.45 .576
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
004:0605--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A14        .22     .027 No_date    3:30   37.45  n/a
 *   [RDT= 2.00] out<- 02:Pipe22     .22     .027 No_date    3:30   37.45  n/a
     [L/S/n=   52./1.250/.013]
     [Vmax= 1.143:Dmax=  .080)
     [Din=  .60:Dused=  .60]
004:0606--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe22     .22     .027 No_date    3:30   37.45  n/a
                   +   09:TRA13     4.41     .577 No_date    3:30   44.06  n/a
     [DT= 2.00]  SUM=  03:TRA14     4.63     .604 No_date    3:30   43.74  n/a
004:0607--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A15        .24     .029 No_date    3:30   37.45 .576
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
004:0608--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A15        .24     .029 No_date    3:30   37.45  n/a
 *   [RDT= 2.00] out<- 05:Pipe23     .24     .029 No_date    3:30   37.45  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .817:Dmax=  .096)
     [Din=  .75:Dused=  .75]
004:0609--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe23     .24     .029 No_date    3:30   37.45  n/a
                   +   03:TRA14     4.63     .604 No_date    3:30   43.74  n/a
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     [DT= 2.00]  SUM=  06:TRA15      4.87     .632 No_date    3:30   43.43  n/a
004:0610--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A101       3.00     .453 No_date    3:30   50.65 .779
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
004:0611--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A101       3.00     .453 No_date    3:30   50.65  n/a
 *   [RDT= 2.00] out<- 02:Pipe24     3.00     .452 No_date    3:30   50.65  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 2.133:Dmax=  .331]
     [Din=  .90:Dused=  .90]
004:0612--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:Pipe24     3.00     .452 No_date    3:30   50.65  n/a
 *   [RDT= 2.00] out<- 03:Pipe25     3.00     .451 No_date    3:30   50.65  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.693:Dmax=  .437]
     [Din=  .75:Dused=  .75]
004:0613--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:TRA15      4.87     .632 No_date    3:30   43.43  n/a
                     + 03:Pipe25     3.00     .451 No_date    3:30   50.65  n/a
     [DT= 2.00]  SUM=  04:TRA101     7.87    1.084 No_date    3:30   46.19  n/a
004:0614--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:TRA101     7.87    1.084 No_date    3:30   46.19  n/a
 *   [RDT= 2.00] out<- 05:Pipe26     7.87    1.081 No_date    3:30   46.19  n/a
     [L/S/n=   51./ .650/.013]
     [Vmax= 2.513:Dmax=  .577]
     [Din=  .90:Dused=  .90]
004:0615--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A102        .74     .127 No_date    3:30   56.83 .874
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
004:0616--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A102        .74     .127 No_date    3:30   56.83  n/a
 *   [RDT= 2.00] out<- 02:Pipe27      .74     .126 No_date    3:30   56.83  n/a
     [L/S/n=   42./1.000/.013]
     [Vmax= 1.729:Dmax=  .236]
     [Din=  .38:Dused=  .38]
004:0617--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe26     7.87    1.081 No_date    3:30   46.19  n/a
                     + 02:Pipe27      .74     .126 No_date    3:30   56.83  n/a
     [DT= 2.00]  SUM=  04:8thSTR     8.61    1.208 No_date    3:30   47.10  n/a
004:0618--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:8thSTR     8.61    1.208 No_date    3:30   47.10  n/a
 *   [RDT= 2.00] out<- 05:Pipe28     8.61    1.206 No_date    3:30   47.10  n/a
     [L/S/n=   88./3.260/.013]
     [Vmax= 4.755:Dmax=  .419]
     [Din=  .75:Dused=  .75]
004:0619--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     06:A103       2.55     .401 No_date    3:30   50.65 .779
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
004:0620--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:A103       2.55     .401 No_date    3:30   50.65  n/a
 *   [RDT= 2.00] out<- 07:Pipe29     2.55     .400 No_date    3:30   50.65  n/a
     [L/S/n=   65./2.800/.013]
     [Vmax= 3.361:Dmax=  .236]
     [Din=  .75:Dused=  .75]
004:0621--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe28     8.61    1.206 No_date    3:30   47.10  n/a
                     + 07:Pipe29     2.55     .400 No_date    3:30   50.65  n/a
     [DT= 2.00]  SUM=  08:OSCVIb    11.16    1.606 No_date    3:30   47.91  n/a
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004:0622--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:AREAB      6.03     .918 No_date    3:30   50.65 .779
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0]
004:0623--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREAB      6.03     .918 No_date    3:30   50.65  n/a
                     + 08:OSCVIb    11.16    1.606 No_date    3:30   47.91  n/a
     [DT= 2.00]  SUM=  01:OSCVI     17.19    2.524 No_date    3:30   48.87  n/a
004:0624--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:OSCVI     17.19    2.524 No_date    3:30   48.87  n/a
 *   [RDT= 2.00] out<- 02:Pipe30     17.19    2.518 No_date    3:30   48.87  n/a
     [L/S/n=  150./2.600/.013]
     [Vmax= 5.164:Dmax=  .646]
     [Din=  .90:Dused=  .90]
004:0625--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:HOSP       4.59     .512 No_date    3:30   38.31 .589
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0]
004:0626--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:HOSP       4.59     .512 No_date    3:30   38.31  n/a
 *   [RDT= 2.00] out<- 04:Pipe31     4.59     .513 No_date    3:32   38.31  n/a
     [L/S/n=  118./6.000/.013]
     [Vmax= 4.630:Dmax=  .329]
     [Din=  .38:Dused=  .40]
004:0627--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe31     4.59     .513 No_date    3:32   38.31  n/a
 *   [RDT= 2.00] out<- 05:Pipe32     4.59     .514 No_date    3:32   38.31  n/a
     [L/S/n=   70./1.100/.013]
     [Vmax= 2.529:Dmax=  .405]
     [Din=  .60:Dused=  .60]
004:0628--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe30    17.19    2.518 No_date    3:30   48.87  n/a
                     + 05:Pipe32     4.59     .514 No_date    3:32   38.31  n/a
     [DT= 2.00]  SUM=  06:TOTHSP    21.78    3.022 No_date    3:30   46.65  n/a
004:0629--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:TOTHSP    21.78    3.022 No_date    3:30   46.65  n/a
 *   [RDT= 2.00] out<- 07:Pipe33    21.78    3.019 No_date    3:30   46.65  n/a
     [L/S/n=   60./4.300/.013]
     [Vmax= 6.566:Dmax=  .612]
     [Din=  .90:Dused=  .90]
004:0630--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:104        4.20     .637 No_date    3:30   50.65 .779
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=   .0]
004:0631--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:Pipe33    21.78    3.019 No_date    3:30   46.65  n/a
                     + 08:104        4.20     .637 No_date    3:30   50.65  n/a
     [DT= 2.00]  SUM=  09:TOT104    25.98    3.656 No_date    3:30   47.30  n/a
004:0632--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104    25.98    3.656 No_date    3:30   47.30  n/a
 *   [RDT= 2.00] out<- 01:Pipe34    25.98    3.651 No_date    3:30   47.30  n/a
     [L/S/n=   59./1.300/.013]
     [Vmax= 4.389:Dmax=  .829]
     [Din= 1.20:Dused= 1.20]
004:0633--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:105        3.59     .459 No_date    3:30   39.85 .613
     [XIMP=.25:TIMP=.25]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=   .0]
004:0634--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ROUTE PIPE      -> 02:105        3.59     .459 No_date    3:30   39.85  n/a
*    [RDT= 2.00] out<- 03:Pipe35     3.59     .456 No_date    3:30   39.85  n/a
     [L/S/n=   70./ .750/.013]
     {Vmax= 2.116:Dmax=  .430}
     [Din=  .60:Dused=  .60}
004:0635--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35     3.59     .456 No_date    3:30   39.85  n/a
*    [RDT= 2.00] out<- 04:Pipe36     3.59     .452 No_date    3:30   39.85  n/a
     [L/S/n=  120./1.050/.013]
     {Vmax= 2.427:Dmax=  .379}
     [Din=  .60:Dused=  .60}
004:0636--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    05:105.2       2.44     .310 No_date    3:30   41.40 .637
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 83.0]
     {Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=   .0]
004:0637--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:Pipe36     3.59     .452 No_date    3:30   39.85  n/a
                      + 05:105.2      2.44     .310 No_date    3:30   41.40  n/a
     [DT= 2.00]  SUM=  06:T105.2      6.03     .763 No_date    3:30   40.48  n/a
004:0638--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2     6.03     .763 No_date    3:30   40.48  n/a
*    [RDT= 2.00] out<- 07:Pipe37     6.03     .760 No_date    3:30   40.48  n/a
     [L/S/n=   75./2.800/.013]
     {Vmax= 3.980:Dmax=  .385}
     {Din=  .60:Dused=  .60}
004:0639--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37     6.03     .760 No_date    3:30   40.48  n/a
*    [RDT= 2.00] out<- 08:Pipe38     6.03     .758 No_date    3:30   40.48  n/a
     [L/S/n=   69./2.200/.013]
     {Vmax= 3.605:Dmax=  .419}
     [Din=  .60:Dused=  .60}
004:0640--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     09:AREA A      2.34     .284 No_date    3:30   34.21 .526
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0]
     {Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=   .0]
004:0641--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:AREA A      2.34     .284 No_date    3:30   34.21  n/a
                      + 08:Pipe38      6.03     .758 No_date    3:30   40.48  n/a
     [DT= 2.00]  SUM=  02:OSCVIA      8.37    1.042 No_date    3:30   38.72  n/a
004:0642--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:OSCVIA     8.37    1.042 No_date    3:30   38.72  n/a
*    [RDT= 2.00] out<- 03:Pipe39     8.37    1.040 No_date    3:30   38.72  n/a
     [L/S/n=   50./3.000/.013]
     {Vmax= 4.287:Dmax=  .482}
     [Din=  .60:Dused=  .60}
004:0643--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe39     8.37    1.040 No_date    3:30   38.72  n/a
*    [RDT= 2.00] out<- 04:Pipe40     8.37    1.038 No_date    3:30   38.72  n/a
     [L/S/n=   30./1.000/.013]
     {Vmax= 2.863:Dmax=  .575}
     [Din=  .75:Dused=  .75}
004:0644--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:Pipe34    25.98    3.651 No_date    3:30   47.30  n/a
                      + 04:Pipe40     8.37    1.038 No_date    3:30   38.72  n/a
     [DT= 2.00]  SUM=  05:16&10      34.35    4.688 No_date    3:30   45.21  n/a
004:0645--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16&10      34.35    4.688 No_date    3:30   45.21  n/a
*    [RDT= 2.00] out<- 06:Pipe41     34.35    4.674 No_date    3:30   45.21  n/a
     [L/S/n=   80./ .600/.013]
     {Vmax= 3.482:Dmax= 1.069}
     [Din= 1.50:Dused= 1.50}
004:0646--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     07:999         4.20     .324 No_date    3:30   38.31 .589
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```
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
004:0647--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:999        4.20     .324 No_date    3:30   38.31  n/a
*    [RDT= 2.00] out<- 08:Pipe42     4.20     .321 No_date    3:30   38.31  n/a
     [L/S/n=  100./3.000/.013]
     {Vmax= 3.312:Dmax=  .266}
     [Din=  .45:Dused=  .45}
004:0648--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe42     4.20     .321 No_date    3:30   38.31  n/a
                      + 06:Pipe41    34.35    4.674 No_date    3:30   45.21  n/a
     [DT= 2.00]  SUM=  09:TRA999     38.55    4.994 No_date    3:30   44.46  n/a
004:0649--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     01:106         1.95     .218 No_date    3:30   38.31 .589
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=   .0]
004:0650--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA999    38.55    4.994 No_date    3:30   44.46  n/a
                      + 01:106        1.95     .218 No_date    3:30   38.31  n/a
     [DT= 2.00]  SUM=  02:TRA106     40.50    5.212 No_date    3:30   44.16  n/a
004:0651--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 02:TRA106     40.50    5.212 No_date    3:30   44.16  n/a
     [RDT= 2.00] out<- 03:CHAN-1     40.50    5.165 No_date    3:30   44.16  n/a
     [L/S/n=  150./2.000/.035]
     {Vmax= 2.324:Dmax=  .592}
004:0652--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1     40.50    5.165 No_date    3:30   44.16  n/a
     [RDT= 2.00] out<- 04:POND1      40.50     .957 No_date    4:16   44.16  n/a
     {MxStoUsed=.1174E+01}
004:0653--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     05:107.1       .96     .126 No_date    3:30   44.48 .684
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
004:0654--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:107.1       .96     .126 No_date    3:30   44.48  n/a
*    [RDT= 2.00] out<- 06:Pipe43      .96     .126 No_date    3:30   44.48  n/a
     [L/S/n=   43./2.400/.013]
     {Vmax= 2.375:Dmax=  .211}
     [Din=  .30:Dused=  .30}
004:0655--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     07:107.2       .30     .039 No_date    3:30   44.48 .684
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
004:0656--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:107.2       .30     .039 No_date    3:30   44.48  n/a
                      + 06:Pipe43      .96     .126 No_date    3:30   44.48  n/a
     [DT= 2.00]  SUM=  08:T107.2      1.26     .165 No_date    3:30   44.48  n/a
004:0657--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 08:T107.2     1.26     .165 No_date    3:30   44.48  n/a
*    [RDT= 2.00] out<- 09:Pipe44     1.26     .165 No_date    3:30   44.48  n/a
     [L/S/n=   65./2.200/.013]
     {Vmax= 2.495:Dmax=  .217}
     [Din=  .38:Dused=  .38}
004:0658--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
*   CALIB STANDHYD     01:107.3       .30     .039 No_date    3:30   44.48 .684
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
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004:0659---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:107.3       .30     .039 No_date    3:30   44.48  n/a
                     +  09:Pipe44     1.26     .165 No_date    3:30   44.48  n/a
     [DT= 2.00]  SUM=  02:T107.3     1.56     .204 No_date    3:30   44.48  n/a
004:0660---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3     1.56     .204 No_date    3:30   44.48  n/a
 *   [RDT= 2.00] out<- 03:Pipe45     1.56     .203 No_date    3:30   44.48  n/a
     [L/S/n=   55./1.900/.013]
     {Vmax= 2.493:Dmax=  .230}
     [Din=  .45:Dused=  .45]
004:0661---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:Pipe45      1.56     .203 No_date    3:30   44.48  n/a
                     +  04:POND1      40.50     .957 No_date    4:16   44.16  n/a
     [DT= 2.00]  SUM=  05:16+10      42.06     .992 No_date    4:14   44.17  n/a
004:0662---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10      42.06     .992 No_date    4:14   44.17  n/a
 *   [RDT= 2.00[ out<- 06:Pipe46     42.06     .992 No_date    4:16   44.17  n/a
     [L/S/n=   94./ .600/.013[
     {Vmax= 2.387:Dmax=  .473}
     [Din= 1.20:Dused= 1.20]
004:0663---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:900         7.25    1.078 No_date    3:30   50.65 .779
     {XIMP=.60:TIMP=.60}
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0]
004:0664---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900         7.25    1.078 No_date    3:30   50.65  n/a
     [RDT= 2.00] out<- 08:POND2       7.25     .566 No_date    3:34   50.65  n/a
     {MxStoUsed=.9818E-01}
004:0665---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:POND2      7.25     .566 No_date    3:34   50.65  n/a
 *   [RDT= 2.00] out<- 09:Pipe47      7.25     .564 No_date    3:36   50.65  n/a
     [L/S/n=  250./ .400/.013]
     {Vmax= 1.773:Dmax=  .509}
     [Din=  .75:Dused=  .75]
004:0666---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:Pipe47      7.25     .564 No_date    3:36   50.65  n/a
                     +  06:Pipe46     42.06     .992 No_date    4:16   44.17  n/a
     [DT= 2.00]  SUM=  01:TRP2        49.31    1.455 No_date    4:10   45.12  n/a
004:0667---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     02:108          1.10     .145 No_date    3:30   44.48 .684
     {XIMP=.40:TIMP=.40}
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
004:0668---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:TRP2        49.31    1.455 No_date    4:10   45.12  n/a
                     +  02:108          1.10     .145 No_date    3:30   44.48  n/a
     [DT= 2.00[  SUM=  03:T108        50.41    1.483 No_date    4:10   45.11  n/a
004:0669---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:T108       50.41    1.483 No_date    4:10   45.11  n/a
 *   [RDT= 2.00] out<- 04:Pipe48      50.41    1.483 No_date    4:10   45.11  n/a
     [L/S/n=   60./ .580/.013]
     {Vmax= 2.622:Dmax=  .599}
     [Din= 1.20:Dused= 1.20]
004:0670---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe48     50.41    1.483 No_date    4:10   45.11  n/a
 *   [RDT= 2.00] out<- 05:Pipe49      50.41    1.483 No_date    4:10   45.11  n/a
     [L/S/n=   59./ .630/.013]
     {Vmax= 2.705:Dmax=  .585}
     [Din= 1.20:Dused= 1.20]
004:0671---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:ANDPET       7.70     .768 No_date    3:30   40.65 .625
     {XIMP=.50:TIMP=.50}
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0]
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     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0[
004:0672---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET      7.70     .768 No_date    3:30   40.65  n/a
     [RDT= 2.00] out<- 07:ANDPND      7.70     .503 No_date    3:32   40.65  n/a
     {MxStoUsed=.6808E-01}
004:0673---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:ANDPND      7.70     .503 No_date    3:32   40.65  n/a
 *   [RDT= 2.00] out<- 08:Pipe50      7.70     .503 No_date    3:32   40.65  n/a
     [L/S/n=   59./ .200/.013]
     {Vmax= 1.288:Dmax=  .618}
     [Din=  .75:Dused=  .75]
004:0674---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe49     50.41    1.483 No_date    4:10   45.11  n/a
                     +  08:Pipe50      7.70     .503 No_date    3:32   40.65  n/a
     [DT= 2.00]  SUM=  09:TOTAND      58.11    1.837 No_date    4:08   44.52  n/a
004:0675---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:RETRES       .90     .118 No_date    3:30   46.46 .715
     [XIMP=.63:TIMP=.63]
     [LOSS= 2 :CN= 65.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0]
004:0676---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES       .90     .118 No_date    3:30   46.46  n/a
     [RDT= 2.00] out<- 02:POND3        .90     .117 No_date    3:30   46.46  n/a
     {MxStoUsed=.9169E-02}
004:0677---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TOTAND     58.11    1.837 No_date    4:08   44.52  n/a
                     +  02:POND3        .90     .117 No_date    3:30   46.46  n/a
     [DT= 2.00]  SUM=  05:TOT16       59.01    1.875 No_date    4:08   44.55  n/a
004:0678---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:WLMRT      20.72    2.665 No_date    3:30   49.94 .768
     [XIMP=.65:TIMP=.65]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0]
004:0679---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT        1.58     .146 No_date    3:30   27.21 .419
     [CN= 78.0: N= 3.00]
     [Tp=  .11:DT= 2.00]
004:0680---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT      20.72    2.665 No_date    3:30   49.94  n/a
                     +  07:WEXT        1.58     .146 No_date    3:30   27.21  n/a
     [DT= 2.00]  SUM=  08:TWLMRT      22.30    2.810 No_date    3:30   48.33  n/a
004:0681---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT      22.30    2.810 No_date    3:30   48.33  n/a
     [RDT= 2.00] out<- 09:WMRTPD      22.30    1.051 No_date    3:56   48.33  n/a
     {MxStoUsed=.4587E+00}
004:0682---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 09:WMRTPD     22.30    1.051 No_date    3:56   48.33  n/a
     [RDT= 2.00] out<- 01:16thST      22.30    1.051 No_date    3:58   48.33  n/a
     [L/S/n=  180./ .580/.013]
     {Vmax= 2.406:Dmax=  .528}
     [Din= 1.05:Dused= 1.05]
004:0683---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT        3.62     .642 No_date    3:30   61.13 .941
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0]
004:0684---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16      59.01    1.875 No_date    4:08   44.55  n/a
                     +  01:16thST     22.30    1.051 No_date    3:58   48.33  n/a
     [DT= 2.00]  SUM=  04:TN1         81.31    2.916 No_date    4:06   45.58  n/a
004:0685---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT        3.62     .642 No_date    3:30   61.13  n/a
                     +  04:TN1         81.31    2.916 No_date    4:06   45.58  n/a
     [DT= 2.00]  SUM=  03:TND1        84.93    3.208 No_date    3:32   46.25  n/a
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004:0686--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:TND1      84.93     3.208 No_date    3:32   46.25  n/a
     [RDT= 2.00] out<- 04:ND1ND2    84.93     3.218 No_date    3:32   46.25  n/a
     [L/S/n=  150./ .730/.013]
     [Vmax= 3.189:Dmax=  .521}
     [HGTH= 1.22:WDTH= 1.93}
004:0687--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a       4.44      .305 No_date    3:34   23.85 .367
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00}
004:0688--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA2a       4.44      .305 No_date    3:34   23.85  n/a
     [LAG=  5.7 min]<- 06:SH2a       4.44      .305 No_date    3:38   23.85  n/a
004:0689--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a       5.11      .696 No_date    3:30   48.49 .746
     [XIMP=.55:TIMP=.66]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0]
004:0690--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:CA3a       5.11      .696 No_date    3:30   48.49  n/a
     [LAG=  2.5 min]<- 08:SH3a       5.11      .696 No_date    3:32   48.49  n/a
004:0691--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b       2.82      .456 No_date    3:30   55.91 .860
     [XIMP=.81:TIMP=.81]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0]
004:0692--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM     1.10      .197 No_date    3:30   61.13 .941
     [XIMP=.95:TIMP=.95]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0]
004:0693--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10      .197 No_date    3:30   61.13  n/a
     [RDT= 2.00] out<- 02:ACPND      1.10      .184 No_date    3:30   61.13  n/a
    [MxStoUsed=.1114E-01}
004:0694--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:ND1ND2    84.93     3.218 No_date    3:32   46.25  n/a
                     + 06:SH2a       4.44      .305 No_date    3:38   23.85  n/a
     [DT= 2.00]  SUM=  03:T2a       89.37     3.476 No_date    3:32   45.13  n/a
004:0695--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T2a       89.37     3.476 No_date    3:32   45.13  n/a
                     + 08:SH3a       5.11      .696 No_date    3:32   48.49  n/a
     [DT= 2.00]  SUM=  04:T2b       94.48     4.171 No_date    3:32   45.32  n/a
004:0696--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:T2b       94.48     4.171 No_date    3:32   45.32  n/a
                     + 02:ACPND      1.10      .184 No_date    3:30   61.13  n/a
     [DT= 2.00]  SUM=  05:T2c       95.58     4.351 No_date    3:32   45.50  n/a
004:0697--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T2c       95.58     4.351 No_date    3:32   45.50  n/a
                     + 09:CA3b       2.82      .456 No_date    3:30   55.91  n/a
     [DT= 2.00]  SUM=  03:TND2      98.40     4.753 No_date    3:32   45.80  n/a
004:0698--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    03:TND2      98.40     4.753 No_date    3:32   45.80  n/a
       Major System /  04:CHAN       6.72     1.733 No_date    3:32   45.80  n/a
       Minor System \  05:PIPE      91.68     3.020 No_date    3:14   45.80  n/a
004:0699--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:PIPE      91.68     3.020 No_date    3:14   45.80  n/a
     [RDT= 2.00] out<- 06:N3N4P     91.68     3.020 No_date    4:02   45.80  n/a
     [L/S/n=  640./ .600/.013]
     {Vmax= 3.043:Dmax=  .985}
     [Din= 1.20:Dused= 1.20}
004:0700--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:CHAN       6.72     1.733 No_date    3:32   45.80  n/a
 *   [RDT= 2.00] out<- 07:N2N3C      6.72     1.611 No_date    3:32   45.80  n/a
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     [L/S/n=  240./ .650/.035]
     [Vmax= 1.085:Dmax=  .384}
004:0701--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA1       16.29      .271 No_date    5:08   20.02 .308
     [CN= 72.0: N= 3.00]
     ]Tp= 1.37:DT= 2.00]
004:0702--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA1       16.29      .271 No_date    5:08   20.02  n/a
     [LAG= 34.4 min]<- 09:SH1       16.29      .271 No_date    5:42   20.02  n/a
004:0703--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA2b       5.16      .226 No_date    3:44   20.91 .322
     [CN= 73.0: N= 3.00]
     [Tp=  .33:DT= 2.00]
004:0704--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:CA2b       5.16      .226 No_date    3:44   20.91  n/a
     [LAG= 37.7 min]<- 03:SH2b       5.16      .226 No_date    4:20   20.91  n/a
004:0705--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:CA4b      14.53     1.136 No_date    3:36   38.99 .600
     [XIMP=.25:TIMP=.44]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0]
004:0706--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:MALL      13.24     1.851 No_date    3:32   56.78 .873
     [XIMP=.63:TIMP=.89]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
     {Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0[
004:0707--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    05:MALL      13.24     1.851 No_date    3:32   56.78  n/a
       Major System /  08:CHAN       3.05     1.064 No_date    3:32   56.78  n/a
       Minor System \  01:PIPE      10.19      .787 No_date    3:10   56.78  n/a
004:0708--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:N2N3C      6.72     1.611 No_date    3:32   45.80  n/a
                     + 09:SH1       16.29      .271 No_date    5:42   20.02  n/a
     [DT= 2.00]  SUM=  02:T3a       23.01     1.612 No_date    3:32   27.55  n/a
004:0709--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:T3a       23.01     1.612 No_date    3:32   27.55  n/a
                     + 03:SH2b       5.16      .226 No_date    4:20   20.91  n/a
     [DT= 2.00]  SUM=  07:T3a       28.17     1.612 No_date    3:32   26.33  n/a
004:0710--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:T3a       28.17     1.612 No_date    3:32   26.33  n/a
                     + 04:CA4b      14.53     1.136 No_date    3:36   38.99  n/a
     [DT= 2.00]  SUM=  02:T3b       42.70     2.744 No_date    3:34   30.64  n/a
004:0711--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:CHAN       3.05     1.064 No_date    3:32   56.78  n/a
                     + 02:T3b       42.70     2.744 No_date    3:34   30.64  n/a
     [DT= 2.00]  SUM=  03:TND3      45.75     3.786 No_date    3:32   32.38  n/a
004:0712--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND3      45.75     3.786 No_date    3:32   32.38  n/a
 *   [RDT= 2.00] out<- 07:ND3ND4    45.75     3.551 No_date    3:36   32.38  n/a
     [L/S/n=  390./ .650/.035]
     [Vmax= 1.372:Dmax=  .581}
004:0713--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:CA5       15.85     1.238 No_date    3:30   37.08 .570
     [XIMP=.32:TIMP=.47]
     [LOSS= 2 :CN= 69.0]
     [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
004:0714--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA5       15.85     1.238 No_date    3:30   37.08  n/a
     [LAG=  5.9 min]<- 09:SH5       15.85     1.238 No_date    3:34   37.08  n/a
004:0715--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CA6b      32.10     1.639 No_date    3:34   37.32 .574
     [XIMP=.20:TIMP=.40]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
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    [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
004:0716--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:CA6b      32.10    1.639 No_date    3:34   37.32  n/a
                   +    09:SH5       15.85    1.238 No_date    3:34   37.08  n/a
     [DT= 2.00]  SUM=   08:T56ND3    47.95    2.877 No_date    3:34   37.24  n/a
004:0717--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:CA7        2.90     .195 No_date    3:30   32.62 .502
     [XIMP=.33:TIMP=.38]
     [LOSS= 2 :CN= 63.0]
     [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
004:0718--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA7        2.90     .195 No_date    3:30   32.62  n/a
     [LAG=  6.6 min]<- 04:SH7        2.90     .195 No_date    3:36   32.62  n/a
004:0719--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:CA8        8.01    1.263 No_date    3:30   55.47 .853
     [XIMP=.73:TIMP=.84]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0]
004:0720--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA8        8.01    1.263 No_date    3:30   55.47  n/a
     [LAG=  2.9 min]<- 02:SH8        8.01    1.263 No_date    3:32   55.47  n/a
004:0721--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:CA11       4.18     .352 No_date    3:32   37.66 .579
     [XIMP=.28:TIMP=.36]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0]
004:0722--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH7        2.90     .195 No_date    3:36   32.62  n/a
                   +    02:SH8        8.01    1.263 No_date    3:32   55.47  n/a
     [DT= 2.00]  SUM=   05:T7811a    10.91    1.453 No_date    3:32   49.40  n/a
004:0723--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:T7811a    10.91    1.453 No_date    3:32   49.40  n/a
                   +    03:CA11       4.18     .352 No_date    3:32   37.66  n/a
     [DT= 2.00]  SUM=   04:T7811b    15.09    1.805 No_date    3:32   46.15  n/a
004:0724--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:T56ND3    47.95    2.877 No_date    3:34   37.24  n/a
                   +    04:T7811b    15.09    1.805 No_date    3:32   46.15  n/a
     [DT= 2.00]  SUM=   05:T7811     63.04    4.623 No_date    3:32   39.37  n/a
004:0725--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:ND3ND4    45.75    3.551 No_date    3:36   32.38  n/a
                   +    05:T7811     63.04    4.623 No_date    3:32   39.37  n/a
     [DT= 2.00]  SUM=   02:T56781   108.79    7.897 No_date    3:32   36.43  n/a
004:0726--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:CA3c       1.14     .135 No_date    3:30   43.42 .668
     [XIMP=.45:TIMP=.50]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0]
004:0727--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:CA3c       1.14     .135 No_date    3:30   43.42  n/a
     [RDT= 2.00] out<- 04:3cPIPE     1.14     .130 No_date    3:30   43.42  n/a
     [L/S/n=  240./ .200/.013]
     {Vmax=  .965:Dmax=  .296}
     [Din=  .60:Dused=  .60)
004:0728--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:CA4a       1.86     .297 No_date    3:30   54.68 .841
     [XIMP=.75:TIMP=.80]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0]
004:0729--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:PIPE      10.19     .787 No_date    3:10   56.78  n/a
                   +    05:CA4a       1.86     .297 No_date    3:30   54.68  n/a
     [DT= 2.00]  SUM=   08:TMLL4a    12.05    1.084 No_date    3:30   56.45  n/a
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004:0730--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:TMLL4a    12.05    1.084 No_date    3:30   56.45  n/a
                   +    04:3cPIPE     1.14     .130 No_date    3:30   43.42  n/a
     [DT= 2.00]  SUM=   07:TMLL3c    13.19    1.214 No_date    3:30   55.33  n/a
004:0731--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c    13.19    1.214 No_date    3:30   55.33  n/a
     [RDT= 2.00] out<- 09:ML3CN4    13.19    1.208 No_date    3:30   55.33  n/a
     [L/S/n=  405./ .600/.013]
     {Vmax= 2.168:Dmax=  .287}
     [HGTH= 1.22:WDTH= 1.93]
004:0732--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        08:CA6a       3.04     .175 No_date    3:36   22.22 .342
     [CN= 74.0: N= 3.00]
     [Tp=  .23:DT= 2.00]
004:0733--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:CA6a       3.04     .175 No_date    3:36   22.22  n/a
                   +    09:ML3CN4    13.19    1.208 No_date    3:30   55.33  n/a
     [DT= 2.00]  SUM=   01:ML436a    16.23    1.360 No_date    3:30   49.12  n/a
004:0734--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:T56781   108.79    7.897 No_date    3:32   36.43  n/a
                   +    01:ML436a    16.23    1.360 No_date    3:30   49.12  n/a
     [DT= 2.00]  SUM=   03:ML436b   125.02    9.236 No_date    3:32   38.08  n/a
004:0735--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:N3N4P     91.68    3.020 No_date    4:02   45.80  n/a
                   +    03:ML436b   125.02    9.236 No_date    3:32   38.08  n/a
     [DT= 2.00]  SUM=   04:TND4     216.70   12.254 No_date    3:32   41.35  n/a
004:0736--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:TND4     216.70   12.254 No_date    3:32   41.35  n/a
     [RDT= 2.00] out<- 02:ND4ND5   216.70   11.733 No_date    3:36   41.35  n/a
     [L/S/n=  697./ .650/.035]
     {Vmax= 2.511:Dmax= 1.806}
004:0737--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:MLLRE      1.26     .189 No_date    3:30   51.19 .788
     [XIMP=.60:TIMP=.74]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0]
004:0738--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:MLLRE      1.26     .189 No_date    3:30   51.19  n/a
     [RDT= 2.00] out<- 04:MLLRCE     1.26     .095 No_date    3:36   51.19  n/a
    {MxStoUsed=.1730E-01}
004:0739--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 04:MLLRCE     1.26     .095 No_date    3:36   51.19  n/a
     [LAG= 18.8 min]<- 05:SHMLRE     1.26     .095 No_date    3:54   51.19  n/a
004:0740--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:MLLRW      1.73     .291 No_date    3:30   58.19 .895
     [XIMP=.82:TIMP=.90]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0]
004:0741--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:MLLRW      1.73     .291 No_date    3:30   58.19  n/a
     [RDT= 2.00] out<- 07:MLLRCW     1.73     .198 No_date    3:34   58.19  n/a
    {MxStoUsed=.2594E-01}
004:0742--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:MLLRCW     1.73     .198 No_date    3:34   58.19  n/a
     [LAG= 13.4 min]<- 08:SHMLRW     1.73     .198 No_date    3:46   58.19  n/a
004:0743--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      09:CA9        7.85     .739 No_date    3:30   41.07 .632
     [XIMP=.42:TIMP=.43]
     [LOSS= 2 :CN= 75.0]
     [Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0]
004:0744--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:TOTMLR     1.73     .198 No_date    3:46   58.19  n/a
                   +    05:SHMLRE     1.26     .095 No_date    3:54   51.19  n/a
     [DT= 2.00]  SUM=   08:TOTMLR     2.99     .289 No_date    3:48   55.24  n/a
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004:0745----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:CA9        7.85     .739 No_date    3:30   41.07  n/a
                    +   08:TOTMLR     2.99     .289 No_date    3:48   55.24  n/a
     [DT= 2.00]  SUM=   03:T9MLR     10.84     .949 No_date    3:30   44.98  n/a
004:0746----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:T9MLR     10.84     .949 No_date    3:30   44.98  n/a
     [LAG= 19.3 min]<- 04:CA9       10.84     .949 No_date    3:48   44.98  n/a
004:0747----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        05:CA10      17.87    1.215 No_date    3:34   23.65 .364
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
004:0748----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:CA13       7.15     .638 No_date    3:30   42.23 .650
     [XIMP=.44:TIMP=.54]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0]
004:0749----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:CA14       7.52     .494 No_date    3:30   35.84 .551
     [XIMP=.32:TIMP=.35]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0]
004:0750----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:CA10      17.87    1.215 No_date    3:34   23.65  n/a
                    +   06:CA13       7.15     .638 No_date    3:30   42.23  n/a
     [DT= 2.00]  SUM=   08:T1013     25.02    1.755 No_date    3:30   28.96  n/a
004:0751----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:T1013     25.02    1.755 No_date    3:30   28.96  n/a
                    +   04:CA9       10.84     .949 No_date    3:48   44.98  n/a
     [DT= 2.00]  SUM=   03:T14       35.86    2.424 No_date    3:32   33.80  n/a
004:0752----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T14       35.86    2.424 No_date    3:32   33.80  n/a
                    +   07:CA14       7.52     .494 No_date    3:30   35.84  n/a
     [DT= 2.00]  SUM=   04:T91013    43.38    2.900 No_date    3:30   34.15  n/a
004:0753----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND4ND5   216.70   11.733 No_date    3:36   41.35  n/a
                    +   04:T91013    43.38    2.900 No_date    3:30   34.15  n/a
     [DT= 2.00]  SUM=   07:TND5     260.08   14.241 No_date    3:34   40.15  n/a
004:0754----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 07:TND5     260.08   14.241 No_date    3:34   40.15  n/a
     [RDT= 2.00] out<- 08:ND5ND6   260.08   13.997 No_date    3:38   40.15  n/a
     [L/S/n=  578./1.640/.035]
     [Vmax= 2.129:Dmax= 1.748]
004:0755----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        09:CA15      18.10    1.107 No_date    3:38   24.39 .375
     [CN= 77.0: N= 3.00]
     [Tp=  .25:DT= 2.00]
004:0756----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:UNGAS       .99     .098 No_date    3:30   32.67 .503
     [XIMP=.22:TIMP=.22]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
004:0757----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:UNGAS        .99     .098 No_date    3:30   32.67  n/a
     [RDT= 2.00] out<- 02:UNGPND       .99     .027 No_date    4:04   32.67  n/a
     {MxStoUsed=.1513E-01}
004:0758----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:UNGPND       .99     .027 No_date    4:04   32.67  n/a
     [LAG= 16.3 min]<- 03:SHUNGS       .99     .027 No_date    4:20   32.67  n/a
004:0759----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:SHUNGS      .99     .027 No_date    4:20   32.67  n/a
                    +   09:CA15      18.10    1.107 No_date    3:38   24.39  n/a
     [DT= 2.00]  SUM=   01:T15       19.09    1.126 No_date    3:38   24.81  n/a
004:0760----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:T15       19.09    1.126 No_date    3:38   24.81  n/a
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                    +   08:ND5ND6   260.08   13.997 No_date    3:38   40.15  n/a
     [DT= 2.00]  SUM=   03:TND6     279.17   15.123 No_date    3:38   39.10  n/a
004:0761----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND6     279.17   15.123 No_date    3:38   39.10  n/a
     [RDT= 2.00] out<- 02:ND6ND8   279.17   14.984 No_date    3:40   39.10  n/a
     [L/S/n=  503./1.290/.035]
     [Vmax= 2.886:Dmax= 1.394]
004:0762----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        03:CA16      30.39     .669 No_date    4:42   21.78 .335
     [CN= 74.0: N= 3.00]
     [Tp= 1.05:DT= 2.00]
004:0763----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA16      30.39     .669 No_date    4:42   21.78  n/a
     [LAG=  7.2 min]<- 04:SH16      30.39     .669 No_date    4:48   21.78  n/a
004:0764----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        05:CA17      19.13    1.511 No_date    3:34   26.09 .401
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
004:0765----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH16      30.39     .669 No_date    4:48   21.78  n/a
                    +   05:CA17      19.13    1.511 No_date    3:34   26.09  n/a
     [DT= 2.00]  SUM=   06:T1716     49.52    1.600 No_date    3:34   23.44  n/a
004:0766----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND6ND8   279.17   14.984 No_date    3:40   39.10  n/a
                    +   06:T1716     49.52    1.600 No_date    3:34   23.44  n/a
     [DT= 2.00]  SUM=   05:TND8     328.69   16.408 No_date    3:40   36.74  n/a
004:0767----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 05:TND8     328.69   16.408 No_date    3:40   36.74  n/a
     [RDT= 2.00] out<- 06:ND8ND9   328.69   16.273 No_date    3:42   36.74  n/a
     [L/S/n=  405./1.480/.045]
     [Vmax= 2.305:Dmax= 1.152]
004:0768----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        07:CA18      12.02     .567 No_date    3:50   25.19 .387
     [CN= 78.0: N= 3.00]
     [Tp=  .41:DT= 2.00]
004:0769----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:CA18      12.02     .567 No_date    3:50   25.19  n/a
                    +   06:ND8ND9   328.69   16.273 No_date    3:42   36.74  n/a
     [DT= 2.00]  SUM=   08:TND9     340.71   16.811 No_date    3:42   36.33  n/a
004:0770----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 08:TND9     340.71   16.811 No_date    3:42   36.33  n/a
     [RDT= 2.00] out<- 09:ND9ND1   340.71   16.646 No_date    3:44   36.33  n/a
     [L/S/n=  505./1.900/.045]
     [Vmax= 2.330:Dmax=  .891]
004:0771----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        01:CA19       1.18     .078 No_date    3:34   22.22 .342
     [CN= 74.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
004:0772----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        02:CA20       7.54     .224 No_date    4:08   20.14 .310
     [CN= 72.0: N= 3.00]
     [Tp=  .59:DT= 2.00]
004:0773----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:CA19       1.18     .078 No_date    3:34   22.22  n/a
                    +   02:CA20       7.54     .224 No_date    4:08   20.14  n/a
     [DT= 2.00]  SUM=   03:T1920      8.72     .254 No_date    4:04   20.42  n/a
004:0774----------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T1920      8.72     .254 No_date    4:04   20.42  n/a
                    +   09:ND9ND1   340.71   16.646 No_date    3:44   36.33  n/a
     [DT= 2.00]  SUM=   04:TND10    349.43   16.877 No_date    3:46   35.93  n/a
 ** END OF RUN :   4

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 RUN:COMMAND#
 005:0778----------------------------------------------------------------------------
     START
      [TZERO =    .00 hrs on        0]
      [METOUT=   2    (1=imperial, 2=metric output)]
      [NSTORM=   1 ]
      [NRUN  =   5 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
 005:0780----------------------------------------------------------------------------
     READ STORM
      Filename = STORM.001
      Comment  = 50-Year SCS Type-II Storm Distribution (6-hour) Owen Sound,
      [SDT=30.00:SDUR=   6.50:PTOT= 71.90]
 005:0781--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     04:TRA7       1.82     .286 No_date    3:30   54.48 .758
      [XIMP=.60:TIMP=.60]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=   .0]
 005:0782--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD     01:A8         .28     .043 No_date    3:30   50.62 .704
      [XIMP=.50:TIMP=.50]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=   .0]
 005:0783--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 01:A8         .28     .043 No_date    3:30   50.62  n/a
  *   [RDT= 2.00] out<- 02:Pipe16     .28     .043 No_date    3:30   50.62  n/a
      [L/S/n=   15./2.000/.013]
      [Vmax= 1.599:Dmax=  .094]
      [Din=  .53:Dused=  .53]
 005:0784--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            02:Pipe16     .28     .043 No_date    3:30   50.62  n/a
                    +   04:TRA7      1.82     .286 No_date    3:30   54.48  n/a
      [DT= 2.00]  SUM=  03:TRA8      2.10     .329 No_date    3:30   53.97  n/a
 005:0785--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     04:A9         .28     .034 No_date    3:30   35.20 .490
      [XIMP=.10:TIMP=.10]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=   .0]
 005:0786--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 04:A9         .28     .034 No_date    3:30   35.20  n/a
  *   [RDT= 2.00] out<- 05:Pipe17     .28     .034 No_date    3:30   35.20  n/a
      [L/S/n=   29./2.000/.013]
      [Vmax= 1.514:Dmax=  .085]
      [Din=  .53:Dused=  .53]
 005:0787--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:Pipe17     .28     .034 No_date    3:30   35.20  n/a
                    +   03:TRA8      2.10     .329 No_date    3:30   53.97  n/a
      [DT= 2.00]  SUM=  06:TRA9      2.38     .363 No_date    3:30   51.73  n/a
 005:0788--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     07:A10        .59     .091 No_date    3:30   50.62 .704
      [XIMP=.50:TIMP=.50]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
 005:0789--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 07:A10        .59     .091 No_date    3:30   50.62  n/a
  *   [RDT= 2.00] out<- 08:Pipe18     .59     .091 No_date    3:30   50.62  n/a
      [L/S/n=   60./2.000/.013]
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      [Vmax= 2.019:Dmax=  .137]
      [Din=  .53:Dused=  .53]
 005:0790--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            08:Pipe18     .59     .091 No_date    3:30   50.62  n/a
                    +   06:TRA9      2.38     .363 No_date    3:30   51.73  n/a
      [DT= 2.00]  SUM=  09:TRA10     2.97     .454 No_date    3:30   51.51  n/a
 005:0791--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     01:A11        .82     .127 No_date    3:30   50.62 .704
      [XIMP=.50:TIMP=.50]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=   .0]
 005:0792--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 01:A11        .82     .127 No_date    3:30   50.62  n/a
  *   [RDT= 2.00] out<- 02:Pipe19     .82     .127 No_date    3:30   50.62  n/a
      [L/S/n=   59./2.000/.013]
      [Vmax= 2.219:Dmax=  .163]
      [Din=  .53:Dused=  .53]
 005:0793--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            09:TRA10      2.97     .454 No_date    3:30   51.51  n/a
                    +   02:Pipe19      .82     .127 No_date    3:30   50.62  n/a
      [DT= 2.00]  SUM=  03:TRA11     3.80     .581 No_date    3:30   51.32  n/a
 005:0794--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     04:A12        .30     .038 No_date    3:30   39.06 .543
      [XIMP=.20:TIMP=.20]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=   .0]
 005:0795--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 04:A12        .30     .038 No_date    3:30   39.06  n/a
  *   [RDT= 2.00] out<- 05:Pipe20     .30     .038 No_date    3:30   39.06  n/a
      [L/S/n=   69./2.000/.013]
      [Vmax= 1.546:Dmax=  .088]
      [Din=  .53:Dused=  .53]
 005:0796--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            05:Pipe20     .30     .038 No_date    3:30   39.06  n/a
                    +   03:TRA11     3.80     .581 No_date    3:30   51.32  n/a
      [DT= 2.00]  SUM=  06:TRA12     4.10     .619 No_date    3:30   50.42  n/a
 005:0797--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     07:A13        .31     .042 No_date    3:30   42.91 .597
      [XIMP=.30:TIMP=.30]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
 005:0798--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 07:A13        .31     .042 No_date    3:30   42.91  n/a
  *   [RDT= 2.00] out<- 08:Pipe21     .31     .042 No_date    3:30   42.91  n/a
      [L/S/n=   53./1.900/.013]
      [Vmax= 1.561:Dmax=  .094]
      [Din=  .53:Dused=  .53]
 005:0799--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD            08:Pipe21     .31     .042 No_date    3:30   42.91  n/a
                    +   06:TRA12     4.10     .619 No_date    3:30   50.42  n/a
      [DT= 2.00]  SUM=  09:TRA13     4.41     .661 No_date    3:30   49.89  n/a
 005:0800--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD     01:A14        .22     .031 No_date    3:30   42.91 .597
      [XIMP=.30:TIMP=.30]
      [LOSS= 2 :CN= 77.0]
      [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
 005:0801--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE      -> 01:A14        .22     .031 No_date    3:30   42.91  n/a
  *   [RDT= 2.00] out<- 02:Pipe22     .22     .031 No_date    3:30   42.91  n/a
      [L/S/n=   52./1.250/.013]
      [Vmax= 1.201:Dmax=  .086]
      [Din=  .60:Dused=  .60]
 005:0802--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ADD HYD            02:Pipe22      .22     .031 No_date    3:30   42.91  n/a
                     + 09:TRA13      4.41     .661 No_date    3:30   49.89  n/a
     [DT= 2.00]  SUM=  03:TRA14      4.63     .692 No_date    3:30   49.56  n/a
005:0803--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A15         .24     .033 No_date    3:30   42.91 .597
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
005:0804--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:A15         .24     .033 No_date    3:30   42.91  n/a
 *   [RDT= 2.00] out<- 05:Pipe23      .24     .033 No_date    3:30   42.91  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .854:Dmax=  .103]
     [Din=  .75:Dused=  .75]
005:0805--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe23      .24     .033 No_date    3:30   42.91  n/a
                     + 03:TRA14      4.63     .692 No_date    3:30   49.56  n/a
     [DT= 2.00]  SUM=  06:TRA15      4.87     .725 No_date    3:30   49.23  n/a
005:0806--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A101        3.00     .511 No_date    3:30   56.99 .793
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
005:0807--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A101        3.00     .511 No_date    3:30   56.99  n/a
 *   [RDT= 2.00] out<- 02:Pipe24      3.00     .510 No_date    3:30   56.99  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 2.198:Dmax=  .353]
     [Din=  .90:Dused=  .90]
005:0808--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:Pipe24      3.00     .510 No_date    3:30   56.99  n/a
 *   [RDT= 2.00] out<- 03:Pipe25      3.00     .509 No_date    3:30   56.99  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.737:Dmax=  .473]
     [Din=  .75:Dused=  .75]
005:0809--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:TRA15       4.87     .725 No_date    3:30   49.23  n/a
                     + 03:Pipe25      3.00     .509 No_date    3:30   56.99  n/a
     [DT= 2.00]  SUM=  04:TRA101      7.87    1.234 No_date    3:30   52.19  n/a
005:0810--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:TRA101      7.87    1.234 No_date    3:30   52.19  n/a
 *   [RDT= 2.00] out<- 05:Pipe26      7.87    1.232 No_date    3:30   52.19  n/a
     [L/S/n=   51./ .650/.013]
     [Vmax= 2.573:Dmax=  .635]
     [Din=  .90:Dused=  .90]
005:0811--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A102         .74     .141 No_date    3:30   63.45 .882
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
005:0812--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A102         .74     .141 No_date    3:30   63.45  n/a
 *   [RDT= 2.00] out<- 02:Pipe27       .74     .141 No_date    3:30   63.45  n/a
     [L/S/n=   42./1.000/.013]
     [Vmax= 1.766:Dmax=  .255]
     [Din=  .38:Dused=  .38]
005:0813--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe26      7.87    1.232 No_date    3:30   52.19  n/a
                     + 02:Pipe27       .74     .141 No_date    3:30   63.45  n/a
     [DT= 2.00]  SUM=  04:8thSTR      8.61    1.372 No_date    3:30   53.16  n/a
005:0814--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:8thSTR      8.61    1.372 No_date    3:30   53.16  n/a
 *   [RDT= 2.00] out<- 05:Pipe28      8.61    1.370 No_date    3:30   53.16  n/a
     [L/S/n=   88./3.260/.013]
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     [Vmax= 4.895:Dmax=  .455]
     [Din=  .75:Dused=  .75]
005:0815--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     06:A103        2.55     .451 No_date    3:30   56.99 .793
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
005:0816--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:A103        2.55     .451 No_date    3:30   56.99  n/a
 *   [RDT= 2.00] out<- 07:Pipe29      2.55     .450 No_date    3:30   56.99  n/a
     [L/S/n=   65./2.800/.013]
     [Vmax= 3.462:Dmax=  .251]
     [Din=  .75:Dused=  .75]
005:0817--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe28      8.61    1.370 No_date    3:30   53.16  n/a
                     + 07:Pipe29      2.55     .450 No_date    3:30   56.99  n/a
     [DT= 2.00]  SUM=  08:OSCVIb     11.16    1.820 No_date    3:30   54.04  n/a
005:0818--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:AREAB       6.03    1.042 No_date    3:30   56.99 .793
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0]
005:0819--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREAB       6.03    1.042 No_date    3:30   56.99  n/a
                     + 08:OSCVIb     11.16    1.820 No_date    3:30   54.04  n/a
     [DT= 2.00]  SUM=  01:OSCVI      17.19    2.862 No_date    3:30   55.07  n/a
005:0820--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:OSCVI      17.19    2.862 No_date    3:30   55.07  n/a
 *   [RDT= 2.00] out<- 02:Pipe30      17.19    2.854 No_date    3:30   55.07  n/a
     [L/S/n=  150./2.600/.013]
     [Vmax= 5.230:Dmax=  .723]
     [Din=  .90:Dused=  .90]
005:0821--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:HOSP        4.59     .596 No_date    3:30   44.09 .613
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0]
005:0822--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:HOSP        4.59     .596 No_date    3:30   44.09  n/a
 *   [RDT= 2.00] out<- 04:Pipe31      4.59     .596 No_date    3:32   44.09  n/a
     [L/S/n=  118./6.000/.013]
     [Vmax= 4.810:Dmax=  .348]
     [Din=  .38:Dused=  .42]
005:0823--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe31      4.59     .596 No_date    3:32   44.09  n/a
 *   [RDT= 2.00] out<- 05:Pipe32      4.59     .597 No_date    3:32   44.09  n/a
     [L/S/n=   70./1.100/.013]
     [Vmax= 2.586:Dmax=  .456]
     ]Din=  .60:Dused=  .60]
005:0824--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe30     17.19    2.854 No_date    3:30   55.07  n/a
                     + 05:Pipe32      4.59     .597 No_date    3:32   44.09  n/a
     [DT= 2.00]  SUM=  06:TOTHSP     21.78    3.442 No_date    3:30   52.76  n/a
005:0825--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:TOTHSP     21.78    3.442 No_date    3:30   52.76  n/a
 *   [RDT= 2.00] out<- 07:Pipe33      21.78    3.438 No_date    3:30   52.76  n/a
     [L/S/n=   60./4.300/.013]
     [Vmax= 6.692:Dmax=  .678]
     [Din=  .90:Dused=  .90]
005:0826--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:104         4.20     .718 No_date    3:30   56.99 .793
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=   .0]
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     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=   .0]
005:0827--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:Pipe33    21.78    3.438 No_date    3:30   52.76  n/a
                   +   08:104        4.20     .718 No_date    3:30   56.99  n/a
     [DT= 2.00]  SUM=  09:TOT104    25.98    4.156 No_date    3:30   53.44  n/a
005:0828--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104    25.98    4.156 No_date    3:30   53.44  n/a
 *   [RDT= 2.00] out<- 01:Pipe34    25.98    4.150 No_date    3:30   53.44  n/a
     [L/S/n=   59./1.300/.013]
     [Vmax= 4.466:Dmax=  .921]
     [Din= 1.20:Dused= 1.20]
005:0829--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:105        3.59     .528 No_date    3:30   45.70 .636
     [XIMP=.25:TIMP=.25]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=   .0]
005:0830--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:105        3.59     .528 No_date    3:30   45.70  n/a
 *   [RDT= 2.00] out<- 03:Pipe35     3.59     .525 No_date    3:30   45.70  n/a
     [L/S/n=   70./ .750/.013]
     [Vmax= 2.143:Dmax=  .489]
     [Din=  .60:Dused=  .60]
005:0831--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35     3.59     .525 No_date    3:30   45.70  n/a
 *   [RDT= 2.00] out<- 04:Pipe36     3.59     .521 No_date    3:30   45.70  n/a
     [L/S/n=  120./1.050/.013]
     [Vmax= 2.490:Dmax=  .419]
     [Din=  .60:Dused=  .60]
005:0832--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:105.2      2.44     .357 No_date    3:30   47.31 .658
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=   .0]
005:0833--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:Pipe36     3.59     .521 No_date    3:30   45.70  n/a
                   +   05:105.2      2.44     .357 No_date    3:30   47.31  n/a
     [DT= 2.00]  SUM=  06:T105.2     6.03     .878 No_date    3:30   46.35  n/a
005:0834--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2     6.03     .878 No_date    3:30   46.35  n/a
 *   [RDT= 2.00] out<- 07:Pipe37     6.03     .875 No_date    3:30   46.35  n/a
     [L/S/n=   75./2.800/.013]
     [Vmax= 4.082:Dmax=  .427]
     [Din=  .60:Dused=  .60]
005:0835--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37     6.03     .875 No_date    3:30   46.35  n/a
 *   [RDT= 2.00] out<- 08:Pipe38     6.03     .872 No_date    3:30   46.35  n/a
     [L/S/n=   69./2.200/.013]
     [Vmax= 3.670:Dmax=  .472]
     [Din=  .60:Dused=  .60]
005:0836--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     09:AREA A     2.34     .331 No_date    3:30   39.87 .555
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=   .0]
005:0837--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREA A     2.34     .331 No_date    3:30   39.87  n/a
                   +   08:Pipe38     6.03     .872 No_date    3:30   46.35  n/a
     [DT= 2.00]  SUM=  02:OSCVIA     8.37    1.203 No_date    3:30   44.54  n/a
005:0838--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:OSCVIA     8.37    1.203 No_date    3:30   44.54  n/a
 *   [RDT= 2.00] out<- 03:Pipe39     8.37    1.200 No_date    3:30   44.54  n/a
     [L/S/n=   50./3.000/.013]
     [Vmax= 4.420:Dmax=  .516]
     [Din=  .60:Dused=  .63]
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005:0839--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe39     8.37    1.200 No_date    3:30   44.54  n/a
 *   [RDT= 2.00] out<- 04:Pipe40     8.37    1.198 No_date    3:30   44.54  n/a
     [L/S/n=   30./1.000/.013]
     [Vmax= 2.926:Dmax=  .633]
     [Din=  .75:Dused=  .77]
005:0840--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:Pipe34    25.98    4.150 No_date    3:30   53.44  n/a
                   +   04:Pipe40     8.37    1.198 No_date    3:30   44.54  n/a
     [DT= 2.00]  SUM=  05:16&10     34.35    5.347 No_date    3:30   51.27  n/a
005:0841--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16&10     34.35    5.347 No_date    3:30   51.27  n/a
 *   [RDT= 2.00] out<- 06:Pipe41    34.35    5.330 No_date    3:30   51.27  n/a
     [L/S/n=   80./ .600/.013]
     [Vmax= 3.532:Dmax= 1.199]
     [Din= 1.50:Dused= 1.50]
005:0842--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:999        4.20     .394 No_date    3:30   44.09 .613
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
005:0843--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:999        4.20     .394 No_date    3:30   44.09  n/a
 *   [RDT= 2.00] out<- 08:Pipe42     4.20     .390 No_date    3:30   44.09  n/a
     [L/S/n=  100./3.000/.013]
     [Vmax= 3.448:Dmax=  .304]
     [Din=  .45:Dused=  .45]
005:0844--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe42     4.20     .390 No_date    3:30   44.09  n/a
                   +   06:Pipe41    34.35    5.330 No_date    3:30   51.27  n/a
     [DT= 2.00]  SUM=  09:TRA999    38.55    5.720 No_date    3:30   50.49  n/a
005:0845--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:106        1.95     .254 No_date    3:30   44.09 .613
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=   .0]
005:0846--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA999    38.55    5.720 No_date    3:30   50.49  n/a
                   +   01:106        1.95     .254 No_date    3:30   44.09  n/a
     [DT= 2.00]  SUM=  02:TRA106    40.50    5.974 No_date    3:30   50.18  n/a
005:0847--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 02:TRA106    40.50    5.974 No_date    3:30   50.18  n/a
     [RDT= 2.00] out<- 03:CHAN-1    40.50    5.927 No_date    3:30   50.18  n/a
     [L/S/n=  150./2.000/.035]
     [Vmax= 2.413:Dmax=  .634]
005:0848--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1    40.50    5.927 No_date    3:30   50.18  n/a
     [RDT= 2.00] out<- 04:POND1     40.50    1.526 No_date    4:06   50.18  n/a
     [MxStoUsed=.1262E+01]
005:0849--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     05:107.1       .96     .146 No_date    3:30   50.54 .703
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
005:0850--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:107.1       .96     .146 No_date    3:30   50.54  n/a
 *   [RDT= 2.00] out<- 06:Pipe43      .96     .146 No_date    3:30   50.54  n/a
     [L/S/n=   43./2.400/.013]
     [Vmax= 2.416:Dmax=  .240]
     [Din=  .30:Dused=  .30]
005:0851--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:107.2       .30     .046 No_date    3:30   50.54 .703
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
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     (Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0)
005:0852--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:107.2       .30     .046 No_date    3:30   50.54  n/a
                   +   06:Pipe43      .96     .146 No_date    3:30   50.54  n/a
     (DT= 2.00)  SUM=  08:T107.2     1.26     .192 No_date    3:30   50.54  n/a
005:0853--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:T107.2     1.26     .192 No_date    3:30   50.54  n/a
 *   (RDT= 2.00) out<- 09:Pipe44      1.26     .191 No_date    3:30   50.54  n/a
     (L/S/n=   65./2.200/.013)
     (Vmax= 2.575:Dmax=  .239)
     (Din=  .38:Dused=  .38)
005:0854--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:107.3       .30     .046 No_date    3:30   50.54 .703
     (XIMP=.40:TIMP=.40)
     (LOSS= 2 :CN= 83.0)
     (Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0)
005:0855--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:107.3       .30     .046 No_date    3:30   50.54  n/a
                   +   09:Pipe44      1.26     .191 No_date    3:30   50.54  n/a
     (DT= 2.00)  SUM=  02:T107.3     1.56     .237 No_date    3:30   50.54  n/a
005:0856--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3     1.56     .237 No_date    3:30   50.54  n/a
 *   (RDT= 2.00) out<- 03:Pipe45      1.56     .236 No_date    3:30   50.54  n/a
     (L/S/n=   55./1.900/.013)
     (Vmax= 2.584:Dmax=  .252)
     (Din=  .45:Dused=  .45)
005:0857--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:Pipe45      1.56     .236 No_date    3:30   50.54  n/a
                   +   04:POND1     40.50    1.526 No_date    4:06   50.18  n/a
     (DT= 2.00)  SUM=  05:16+10     42.06    1.576 No_date    4:06   50.20  n/a
005:0858--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10     42.06    1.576 No_date    4:06   50.20  n/a
 *   (RDT= 2.00) out<- 06:Pipe46     42.06    1.574 No_date    4:06   50.20  n/a
     (L/S/n=   94./ .600/.013)
     (Vmax= 2.697:Dmax=  .615)
     (Din= 1.20:Dused= 1.20)
005:0859--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:900         7.25    1.226 No_date    3:30   56.99 .793
     (XIMP=.60:TIMP=.60)
     (LOSS= 2 :CN= 83.0)
     (Pervious     area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0)
005:0860--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900         7.25    1.226 No_date    3:30   56.99  n/a
     (RDT= 2.00) out<- 08:POND2       7.25     .602 No_date    3:34   56.99  n/a
     (MxStoUsed=.1182E+00)
005:0861--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:POND2      7.25     .602 No_date    3:34   56.99  n/a
 *   (RDT= 2.00) out<- 09:Pipe47      7.25     .600 No_date    3:38   56.99  n/a
     (L/S/n=  250./ .400/.013)
     (Vmax= 1.790:Dmax=  .534)
     (Din=  .75:Dused=  .75)
005:0862--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:Pipe47      7.25     .600 No_date    3:38   56.99  n/a
                   +   06:Pipe46     42.06    1.574 No_date    4:06   50.20  n/a
     (DT= 2.00)  SUM=  01:TRP2       49.31    2.113 No_date    4:06   51.20  n/a
005:0863--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     02:108         1.10     .168 No_date    3:30   50.54 .703
     (XIMP=.40:TIMP=.40)
     (LOSS= 2 :CN= 83.0)
     (Pervious     area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0)
005:0864--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:TRP2       49.31    2.113 No_date    4:06   51.20  n/a
                   +   02:108         1.10     .168 No_date    3:30   50.54  n/a
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     (DT= 2.00)  SUM=  03:T108      50.41    2.148 No_date    4:06   51.18  n/a
005:0865--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:T108      50.41    2.148 No_date    4:06   51.18  n/a
 *   (RDT= 2.00) out<- 04:Pipe48      50.41    2.149 No_date    4:06   51.18  n/a
     (L/S/n=   60./ .580/.013)
     (Vmax= 2.862:Dmax=  .756)
     (Din= 1.20:Dused= 1.20)
005:0866--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe48     50.41    2.149 No_date    4:06   51.18  n/a
 *   (RDT= 2.00) out<- 05:Pipe49      50.41    2.149 No_date    4:06   51.18  n/a
     (L/S/n=   59./ .630/.013)
     (Vmax= 2.955:Dmax=  .736)
     (Din= 1.20:Dused= 1.20)
005:0867--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:ANDPET       7.70     .875 No_date    3:30   45.94 .639
     (XIMP=.50:TIMP=.50)
     (LOSS= 2 :CN= 65.0)
     (Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0)
005:0868--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET      7.70     .875 No_date    3:30   45.94  n/a
     (RDT= 2.00) out<- 07:ANDPND      7.70     .544 No_date    3:32   45.94  n/a
     (MxStoUsed=.7925E-01)
005:0869--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:ANDPND      7.70     .544 No_date    3:32   45.94  n/a
 *   (RDT= 2.00) out<- 08:Pipe50      7.70     .541 No_date    3:34   45.94  n/a
     (L/S/n=   59./ .200/.013)
     (Vmax= 1.313:Dmax=  .636)
     (Din=  .75:Dused=  .78)
005:0870--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe49      50.41    2.149 No_date    4:06   51.18  n/a
                   +   08:Pipe50       7.70     .541 No_date    3:34   45.94  n/a
     (DT= 2.00)  SUM=  09:TOTAND      58.11    2.570 No_date    4:06   50.49  n/a
005:0871--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:RETRES        .90     .132 No_date    3:30   52.17 .726
     (XIMP=.63:TIMP=.63)
     (LOSS= 2 :CN= 65.0)
     (Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0)
005:0872--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES        .90     .132 No_date    3:30   52.17  n/a
     (RDT= 2.00) out<- 02:POND3         .90     .132 No_date    3:30   52.17  n/a
     (MxStoUsed=.9190E-02)
005:0873--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TOTAND      58.11    2.570 No_date    4:06   50.49  n/a
                   +   02:POND3        .90     .132 No_date    3:30   52.17  n/a
     (DT= 2.00)  SUM=  05:TOT16       59.01    2.611 No_date    4:06   50.51  n/a
005:0874--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:WLMRT       20.72    3.007 No_date    3:30   56.08 .780
     (XIMP=.65:TIMP=.65)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0)
005:0875--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT        1.58     .172 No_date    3:30   32.16 .447
     (CN= 78.0: N= 3.00)
     (Tp=  .11:DT= 2.00)
005:0876--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT       20.72    3.007 No_date    3:30   56.08  n/a
                   +   07:WEXT         1.58     .172 No_date    3:30   32.16  n/a
     (DT= 2.00)  SUM=  08:TWLMRT      22.30    3.179 No_date    3:30   54.39  n/a
005:0877--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT      22.30    3.179 No_date    3:30   54.39  n/a
     (RDT= 2.00) out<- 09:WMRTPD      22.30    1.188 No_date    3:56   54.39  n/a
     (MxStoUsed=.5184E+00)
005:0878--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 09:WMRTPD      22.30    1.188 No_date    3:56   54.39  n/a
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     (RDT= 2.00) out<- 01:16thST    22.30    1.188 No_date    3:56   54.39  n/a
     (L/S/n=  180./ .580/.013)
     (Vmax= 2.480:Dmax=  .568)
     (Din= 1.05:Dused= 1.05)
005:0879--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT       3.62     .713 No_date    3:30   67.93 .945
     (XIMP=.95:TIMP=.95)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0)
005:0880--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16     59.01    2.611 No_date    4:06   50.51  n/a
                     + 01:16thST    22.30    1.188 No_date    3:56   54.39  n/a
     (DT= 2.00)  SUM=  04:TN1       81.31    3.789 No_date    4:06   51.57  n/a
005:0881--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT       3.62     .713 No_date    3:30   67.93  n/a
                     + 04:TN1       81.31    3.789 No_date    4:06   51.57  n/a
     (DT= 2.00)  SUM=  03:TND1      84.93    3.932 No_date    4:02   52.27  n/a
005:0882--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:TND1     84.93    3.932 No_date    4:02   52.27  n/a
     (RDT= 2.00) out<- 04:ND1ND2    84.93    3.934 No_date    4:04   52.27  n/a
     (L/S/n=  150./ .730/.013)
     (Vmax= 3.386:Dmax=  .601)
     (HGTH= 1.22:WDTH= 1.93)
005:0883--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a       4.44     .368 No_date    3:34   28.58 .398
     (CN= 77.0: N= 3.00)
     (Tp=  .19:DT= 2.00)
005:0884--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 05:CA2a       4.44     .368 No_date    3:34   28.58  n/a
     (LAG=  5.7 min)<- 06:SH2a       4.44     .368 No_date    3:38   28.58  n/a
005:0885--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a       5.11     .788 No_date    3:30   54.67 .760
     (XIMP=.55:TIMP=.66)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .40:LGI= 240.:MNI=.013:SCI=   .0)
005:0886--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 07:CA3a       5.11     .788 No_date    3:30   54.67  n/a
     (LAG=  2.5 min)<- 08:SH3a       5.11     .788 No_date    3:32   54.67  n/a
005:0887--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b       2.82     .509 No_date    3:30   62.40 .868
     (XIMP=.81:TIMP=.81)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0)
005:0888--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM     1.10     .218 No_date    3:30   67.93 .945
     (XIMP=.95:TIMP=.95)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0)
005:0889--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10     .218 No_date    3:30   67.93  n/a
     (RDT= 2.00) out<- 02:ACPND      1.10     .204 No_date    3:30   67.93  n/a
     (MxStoUsed=.1235E-01)
005:0890--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:ND1ND2    84.93    3.934 No_date    4:04   52.27  n/a
                     + 06:SH2a       4.44     .368 No_date    3:38   28.58  n/a
     (DT= 2.00)  SUM=  03:T2a       89.37    4.104 No_date    4:04   51.09  n/a
005:0891--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T2a       89.37    4.104 No_date    4:04   51.09  n/a
                     + 08:SH3a       5.11     .788 No_date    3:32   54.67  n/a
     (DT= 2.00)  SUM=  04:T2b       94.48    4.635 No_date    3:32   51.29  n/a
005:0892--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:T2b       94.48    4.635 No_date    3:32   51.29  n/a
                     + 02:ACPND      1.10     .204 No_date    3:30   67.93  n/a
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     (DT= 2.00)  SUM=  05:T2c       95.58    4.834 No_date    3:32   51.48  n/a
005:0893--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T2c       95.58    4.834 No_date    3:32   51.48  n/a
                     + 09:CA3b       2.82     .509 No_date    3:30   62.40  n/a
     (DT= 2.00)  SUM=  03:TND2      98.40    5.290 No_date    3:30   51.79  n/a
005:0894--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    03:TND2      98.40    5.290 No_date    3:30   51.79  n/a
      Major System /   04:CHAN      12.29    2.270 No_date    3:30   51.79  n/a
      Minor System \   05:PIPE      86.11    3.020 No_date    3:12   51.79  n/a
005:0895--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:PIPE     86.11    3.020 No_date    3:12   51.79  n/a
     (RDT= 2.00) out<- 06:N3N4P     86.11    3.020 No_date    4:00   51.79  n/a
     (L/S/n=  640./ .600/.013)
     (Vmax= 3.043:Dmax=  .985)
     (Din= 1.20:Dused= 1.20)
005:0896--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 04:CHAN     12.29    2.270 No_date    3:30   51.79  n/a
 *   (RDT= 2.00) out<- 07:N2N3C     12.29    2.162 No_date    3:32   51.79  n/a
     (L/S/n=  240./ .650/.035)
     (Vmax= 1.169:Dmax=  .442)
005:0897--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA1       16.29     .330 No_date    5:06   24.22 .337
     (CN= 72.0: N= 3.00)
     (Tp= 1.37:DT= 2.00)
005:0898--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 08:CA1       16.29     .330 No_date    5:06   24.22  n/a
     (LAG= 34.4 min)<- 09:SH1       16.29     .330 No_date    5:40   24.22  n/a
005:0899--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA2b       5.16     .276 No_date    3:44   25.22 .351
     (CN= 73.0: N= 3.00)
     (Tp=  .33:DT= 2.00)
005:0900--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 02:CA2b       5.16     .276 No_date    3:44   25.22  n/a
     (LAG= 37.7 min)<- 03:SH2b       5.16     .276 No_date    4:20   25.22  n/a
005:0901--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:CA4b      14.53    1.324 No_date    3:36   44.69 .622
     (XIMP=.25:TIMP=.44)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0)
005:0902--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:MALL      13.24    2.107 No_date    3:30   63.50 .883
     (XIMP=.63:TIMP=.89)
     (LOSS= 2 :CN= 76.0)
     (Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0)
     (Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0)
005:0903--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    05:MALL      13.24    2.107 No_date    3:30   63.50  n/a
      Major System /   08:CHAN       3.59    1.320 No_date    3:30   63.50  n/a
      Minor System \   01:PIPE       9.65     .787 No_date    3:08   63.50  n/a
005:0904--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:N2N3C     12.29    2.162 No_date    3:32   51.79  n/a
                     + 09:SH1       16.29     .330 No_date    5:40   24.22  n/a
     (DT= 2.00)  SUM=  02:T3a       28.58    2.162 No_date    3:32   36.08  n/a
005:0905--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:T3a       28.58    2.162 No_date    3:32   36.08  n/a
                     + 03:SH2b       5.16     .276 No_date    4:20   25.22  n/a
     (DT= 2.00)  SUM=  07:T3a       33.74    2.165 No_date    3:32   34.42  n/a
005:0906--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:T3a       33.74    2.165 No_date    3:32   34.42  n/a
                     + 04:CA4b      14.53    1.324 No_date    3:36   44.69  n/a
     (DT= 2.00)  SUM=  02:T3b       48.27    3.457 No_date    3:32   37.51  n/a
005:0907--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:CHAN       3.59    1.320 No_date    3:30   63.50  n/a
                     + 02:T3b       48.27    3.457 No_date    3:32   37.51  n/a
     (DT= 2.00)  SUM=  03:TND3      51.86    4.772 No_date    3:32   39.31  n/a
005:0908--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ROUTE CHANNEL   -> 03:TND3       51.86     4.772 No_date    3:32   39.31  n/a
 *   {RDT= 2.00} out<- 07:ND3ND4     51.86     4.482 No_date    3:36   39.31  n/a
     {L/S/n=  390./ .650/.035}
     {Vmax= 1.463:Dmax=  .653}
005:0909---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      08:CA5        15.85     1.447 No_date    3:30   42.40 .590
     {XIMP=.32:TIMP=.47}
     {LOSS= 2 :CN= 69.0}
     {Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0}
005:0910---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA5        15.85     1.447 No_date    3:30   42.40  n/a
     {LAG=  5.9 min}<- 09:SH5        15.85     1.447 No_date    3:34   42.40  n/a
005:0911---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:CA6b       32.10     1.976 No_date    3:34   42.94 .597
     {XIMP=.20:TIMP=.40}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0}
005:0912---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:CA6b       32.10     1.976 No_date    3:34   42.94  n/a
                   +    09:SH5        15.85     1.447 No_date    3:34   42.40  n/a
     {DT= 2.00}  SUM=   08:T56ND3     47.95     3.424 No_date    3:34   42.76  n/a
005:0913---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:CA7         2.90      .222 No_date    3:30   37.33 .519
     {XIMP=.33:TIMP=.38}
     {LOSS= 2 :CN= 63.0}
     {Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0}
005:0914---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA7         2.90      .222 No_date    3:30   37.33  n/a
     {LAG=  6.6 min}<- 04:SH7         2.90      .222 No_date    3:36   37.33  n/a
005:0915---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:CA8         8.01     1.422 No_date    3:30   62.04 .863
     {XIMP=.73:TIMP=.84}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0}
005:0916---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA8         8.01     1.422 No_date    3:30   62.04  n/a
     {LAG=  2.9 min}<- 02:SH8         8.01     1.422 No_date    3:32   62.04  n/a
005:0917---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:CA11        4.18      .408 No_date    3:32   43.18 .601
     {XIMP=.28:TIMP=.36}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0}
005:0918---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH7         2.90      .222 No_date    3:36   37.33  n/a
                   +    02:SH8         8.01     1.422 No_date    3:32   62.04  n/a
     {DT= 2.00}  SUM=   05:T7811a     10.91     1.637 No_date    3:32   55.47  n/a
005:0919---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:T7811a     10.91     1.637 No_date    3:32   55.47  n/a
                   +    03:CA11        4.18      .408 No_date    3:32   43.18  n/a
     {DT= 2.00}  SUM=   04:T7811b     15.09     2.045 No_date    3:32   52.07  n/a
005:0920---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:T56ND3     47.95     3.424 No_date    3:34   42.76  n/a
                   +    04:T7811b     15.09     2.045 No_date    3:32   52.07  n/a
     {DT= 2.00}  SUM=   05:T7811      63.04     5.404 No_date    3:32   44.99  n/a
005:0921---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:ND3ND4     51.86     4.482 No_date    3:36   39.31  n/a
                   +    05:T7811      63.04     5.404 No_date    3:32   44.99  n/a
     {DT= 2.00}  SUM=   02:T56781    114.90     9.694 No_date    3:32   42.43  n/a
005:0922---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      03:CA3c        1.14      .156 No_date    3:30   49.24 .685
     {XIMP=.45:TIMP=.50}
     {LOSS= 2 :CN= 76.0}
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     {Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0}
005:0923---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:CA3c        1.14      .156 No_date    3:30   49.24  n/a
     {RDT= 2.00} out<- 04:3cPIPE      1.14      .150 No_date    3:30   49.24  n/a
     {L/S/n=  240./ .200/.013}
     {Vmax= 1.001:Dmax=  .324}
     {Din=  .60:Dused=  .60}
005:0924---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:CA4a        1.86      .334 No_date    3:30   61.15 .851
     {XIMP=.75:TIMP=.80}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0}
005:0925---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:PIPE        9.65      .787 No_date    3:08   63.50  n/a
                   +    05:CA4a        1.86      .334 No_date    3:30   61.15  n/a
     {DT= 2.00}  SUM=   08:TMLL4a     11.51     1.121 No_date    3:30   63.12  n/a
005:0926---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:TMLL4a     11.51     1.121 No_date    3:30   63.12  n/a
                   +    04:3cPIPE      1.14      .150 No_date    3:30   49.24  n/a
     {DT= 2.00}  SUM=   07:TMLL3c     12.65     1.271 No_date    3:30   61.87  n/a
005:0927---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c     12.65     1.271 No_date    3:30   61.87  n/a
     {RDT= 2.00} out<- 09:ML3CN4     12.65     1.265 No_date    3:30   61.87  n/a
     {L/S/n=  405./ .600/.013}
     {Vmax= 2.204:Dmax=  .296}
     {HGTH= 1.22:WDTH= 1.93}
005:0928---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD        08:CA6a        3.04      .212 No_date    3:36   26.66 .371
     {CN= 74.0: N= 3.00}
     {Tp=  .23:DT= 2.00}
005:0929---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:CA6a        3.04      .212 No_date    3:36   26.66  n/a
                   +    09:ML3CN4     12.65     1.265 No_date    3:30   61.87  n/a
     {DT= 2.00}  SUM=   01:ML436a     15.69     1.451 No_date    3:30   55.05  n/a
005:0930---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:T56781    114.90     9.694 No_date    3:32   42.43  n/a
                   +    01:ML436a     15.69     1.451 No_date    3:30   55.05  n/a
     {DT= 2.00}  SUM=   03:ML436b    130.59    11.120 No_date    3:32   43.94  n/a
005:0931---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:N3N4P      86.11     3.020 No_date    4:00   51.79  n/a
                   +    03:ML436b    130.59    11.120 No_date    3:32   43.94  n/a
     {DT= 2.00}  SUM=   04:TND4      216.70    14.139 No_date    3:32   47.06  n/a
005:0932---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:TND4      216.70    14.139 No_date    3:32   47.06  n/a
     {RDT= 2.00} out<- 02:ND4ND5     216.70    13.503 No_date    3:36   47.06  n/a
     {L/S/n=  697./ .650/.035}
     {Vmax= 2.598:Dmax= 1.931}
005:0933---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:MLLRE       1.26      .215 No_date    3:30   57.55 .800
     {XIMP=.60:TIMP=.74}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0}
005:0934---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:MLLRE       1.26      .215 No_date    3:30   57.55  n/a
     {RDT= 2.00} out<- 04:MLLRCE      1.26      .104 No_date    3:36   57.55  n/a
     {MxStoUsed=.2079E-01}
005:0935---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 04:MLLRCE      1.26      .104 No_date    3:36   57.55  n/a
     {LAG= 18.8 min}<- 05:SHMLRE      1.26      .104 No_date    3:54   57.55  n/a
005:0936---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:MLLRW       1.73      .324 No_date    3:30   64.88 .902
     {XIMP=.82:TIMP=.90}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0}
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     {Impervious    area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0}
005:0937---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:MLLRW      1.73     .324 No_date    3:30   64.88  n/a
     {RDT= 2.00} out<- 07:MLLRCW     1.73     .218 No_date    3:34   64.88  n/a
     {MxStoUsed=.2948E-01}
005:0938---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:MLLRCW     1.73     .218 No_date    3:34   64.88  n/a
     {LAG= 13.4 min}<- 08:SHMLRW     1.73     .218 No_date    3:46   64.88  n/a
005:0939---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA9        7.85     .852 No_date    3:30   46.69 .649
     {XIMP=.42:TIMP=.43}
     {LOSS= 2 :CN= 75.0}
     {Pervious      area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0}
005:0940---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:TOTMLR     1.73     .218 No_date    3:46   64.88  n/a
                   +    05:SHMLRE     1.26     .104 No_date    3:54   57.55  n/a
     {DT= 2.00}  SUM=   08:TOTMLR     2.99     .317 No_date    3:48   61.79  n/a
005:0941---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:CA9        7.85     .852 No_date    3:30   46.69  n/a
                   +    08:TOTMLR     2.99     .317 No_date    3:48   61.79  n/a
     {DT= 2.00}  SUM=   03:T9MLR     10.84    1.076 No_date    3:30   50.85  n/a
005:0942---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:T9MLR     10.84    1.076 No_date    3:30   50.85  n/a
     {LAG= 19.3 min}<- 04:CA9       10.84    1.076 No_date    3:48   50.85  n/a
005:0943---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA10      17.87    1.469 No_date    3:34   28.37 .395
     {CN= 77.0: N= 3.00}
     {Tp=  .19:DT= 2.00}
005:0944---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:CA13       7.15     .729 No_date    3:30   48.00 .668
     {XIMP=.44:TIMP=.54}
     {LOSS= 2 :CN= 74.0}
     {Pervious      area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0}
005:0945---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA14       7.52     .567 No_date    3:30   41.14 .572
     {XIMP=.32:TIMP=.35}
     {LOSS= 2 :CN= 74.0}
     {Pervious      area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0}
005:0946---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:CA10      17.87    1.469 No_date    3:34   28.37  n/a
                   +    06:CA13       7.15     .729 No_date    3:30   48.00  n/a
     {DT= 2.00}  SUM=   08:T1013     25.02    2.090 No_date    3:30   33.98  n/a
005:0947---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:T1013     25.02    2.090 No_date    3:30   33.98  n/a
                   +    04:CA9       10.84    1.076 No_date    3:48   50.85  n/a
     {DT= 2.00}  SUM=   03:T14       35.86    2.823 No_date    3:30   39.08  n/a
005:0948---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:T14       35.86    2.823 No_date    3:30   39.08  n/a
                   +    07:CA14       7.52     .567 No_date    3:30   41.14  n/a
     {DT= 2.00}  SUM=   04:T91013    43.38    3.390 No_date    3:30   39.44  n/a
005:0949---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND4ND5   216.70   13.503 No_date    3:36   47.06  n/a
                   +    04:T91013    43.38    3.390 No_date    3:30   39.44  n/a
     {DT= 2.00}  SUM=   07:TND5     260.08   16.451 No_date    3:34   45.79  n/a
005:0950---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 07:TND5     260.08   16.451 No_date    3:34   45.79  n/a
     {RDT= 2.00} out<- 08:ND5ND6   260.08   16.156 No_date    3:38   45.79  n/a
     {L/S/n=  578./1.640/.035}
     {Vmax= 2.229:Dmax= 1.832}
005:0951---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       09:CA15      18.10    1.334 No_date    3:38   29.14 .405
     {CN= 77.0: N= 3.00}
     {Tp=  .25:DT= 2.00}
005:0952---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    CALIB STANDHYD     01:UNGAS      .99     .115 No_date    3:30   37.74 .525
     {XIMP=.22:TIMP=.22}
     {LOSS= 2 :CN= 74.0}
     {Pervious      area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0}
     {Impervious    area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0}
005:0953---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:UNGAS      .99     .115 No_date    3:30   37.74  n/a
     {RDT= 2.00} out<- 02:UNGPND     .99     .031 No_date    4:04   37.73  n/a
     {MxStoUsed=.1789E-01}
005:0954---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:UNGPND     .99     .031 No_date    4:04   37.73  n/a
     {LAG= 16.3 min}<- 03:SHUNGS     .99     .031 No_date    4:20   37.73  n/a
005:0955---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:SHUNGS     .99     .031 No_date    4:20   37.73  n/a
                   +    09:CA15     18.10    1.334 No_date    3:38   29.14  n/a
     {DT= 2.00}  SUM=   01:T15      19.09    1.354 No_date    3:38   29.59  n/a
005:0956---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:T15      19.09    1.354 No_date    3:38   29.59  n/a
                   +    08:ND5ND6   260.08   16.156 No_date    3:38   45.79  n/a
     {DT= 2.00}  SUM=   03:TND6     279.17   17.510 No_date    3:38   44.68  n/a
005:0957---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND6     279.17   17.510 No_date    3:38   44.68  n/a
     {RDT= 2.00} out<- 02:ND6ND8   279.17   17.349 No_date    3:40   44.68  n/a
     {L/S/n=  503./1.290/.035}
     {Vmax= 2.978:Dmax= 1.496}
005:0958---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       03:CA16      30.39     .809 No_date    4:42   26.20 .364
     {CN= 74.0: N= 3.00}
     {Tp= 1.05:DT= 2.00}
005:0959---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA16      30.39     .809 No_date    4:42   26.20  n/a
     {LAG=  7.2 min}<- 04:SH16      30.39     .809 No_date    4:48   26.20  n/a
005:0960---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA17      19.13    1.805 No_date    3:32   31.07 .432
     {CN= 79.0: N= 3.00}
     {Tp=  .17:DT= 2.00}
005:0961---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:SH16      30.39     .809 No_date    4:48   26.20  n/a
                   +    05:CA17      19.13    1.805 No_date    3:32   31.07  n/a
     {DT= 2.00}  SUM=   06:T1716     49.52    1.920 No_date    3:34   28.08  n/a
005:0962---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:ND6ND8   279.17   17.349 No_date    3:40   44.68  n/a
                   +    06:T1716     49.52    1.920 No_date    3:34   28.08  n/a
     {DT= 2.00}  SUM=   05:TND8     328.69   19.052 No_date    3:40   42.18  n/a
005:0963---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 05:TND8     328.69   19.052 No_date    3:40   42.18  n/a
     {RDT= 2.00} out<- 06:ND8ND9   328.69   18.910 No_date    3:42   42.18  n/a
     {L/S/n=  405./1.480/.045}
     {Vmax= 2.397:Dmax= 1.237}
005:0964---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:CA18      12.02     .683 No_date    3:50   30.05 .418
     {CN= 78.0: N= 3.00}
     {Tp=  .41:DT= 2.00}
005:0965---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:CA18      12.02     .683 No_date    3:50   30.05  n/a
                   +    06:ND8ND9   328.69   18.910 No_date    3:42   42.18  n/a
     {DT= 2.00}  SUM=   08:TND9     340.71   19.563 No_date    3:42   41.75  n/a
005:0966---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 08:TND9     340.71   19.563 No_date    3:42   41.75  n/a
     {RDT= 2.00} out<- 09:ND9ND1   340.71   19.399 No_date    3:44   41.75  n/a
     {L/S/n=  505./1.900/.045}
     {Vmax= 2.455:Dmax=  .956}
005:0967---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       01:CA19       1.18     .094 No_date    3:34   26.66 .371
     {CN= 74.0: N= 3.00}
     {Tp=  .17:DT= 2.00}
005:0968---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
```

```
     CALIB NASHYD       02:CA20       7.54      .273 No_date    4:06   24.35 .339
       [CN= 72.0: N= 3.00]
       [Tp=  .59:DT= 2.00]
 005:0969---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             01:CA19       1.18      .094 No_date    3:34   26.66  n/a
                       + 02:CA20       7.54      .273 No_date    4:06   24.35  n/a
       [DT= 2.00]  SUM=  03:T1920      8.72      .309 No_date    4:02   24.66  n/a
 005:0970---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             03:T1920      8.72      .309 No_date    4:02   24.66  n/a
                       + 09:ND9ND1   340.71   19.399 No_date    3:44   41.75  n/a
       [DT= 2.00]  SUM=  04:TND10    349.43   19.678 No_date    3:44   41.33  n/a
  ** END OF RUN :   5

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




 RUN:COMMAND#
 006:0975---------------------------------------------------------------------------
     START
       [TZERO =    .00 hrs on        0]
       [METOUT=   2    (1=imperial, 2=metric output)]
       [NSTORM=   1 ]
       [NRUN  =   6 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
 006:0977---------------------------------------------------------------------------
     READ STORM
       Filename = STORM.001
       Comment  = 100-Year SCS Type-II Storm Distribution (6-hour) Owen Sound,
       [SDT=30.00:SDUR=   6.50:PTOT= 78.70]
 006:0978---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      04:TRA7       1.82      .318 No_date    3:30   60.55 .769
       [XIMP=.60:TIMP=.60]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=   .0]
 006:0979---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      01:A8         .28      .048 No_date    3:30   56.51 .718
       [XIMP=.50:TIMP=.50]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=   .0]
 006:0980---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 01:A8         .28      .048 No_date    3:30   56.51  n/a
  *  [RDT= 2.00] out<- 02:Pipe16       .28      .048 No_date    3:30   56.51  n/a
       [L/S/n=   15./2.000/.013]
       {Vmax= 1.654:Dmax=  .099}
       [Din=  .53:Dused=  .53}
 006:0981---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             02:Pipe16       .28      .048 No_date    3:30   56.51  n/a
                       + 04:TRA7       1.82      .318 No_date    3:30   60.55  n/a
       [DT= 2.00]  SUM=  03:TRA8       2.10      .367 No_date    3:30   60.01  n/a
 006:0982---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD      04:A9         .28      .040 No_date    3:30   40.35 .513
       [XIMP=.10:TIMP=.10]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=   .0]
 006:0983---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 04:A9         .28      .040 No_date    3:30   40.35  n/a
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  *  [RDT= 2.00] out<- 05:Pipe17       .28      .039 No_date    3:30   40.35  n/a
       [L/S/n=   29./2.000/.013]
       {Vmax= 1.563:Dmax=  .090}
       [Din=  .53:Dused=  .53}
 006:0984---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             05:Pipe17       .28      .039 No_date    3:30   40.35  n/a
                       + 03:TRA8       2.10      .367 No_date    3:30   60.01  n/a
       [DT= 2.00]  SUM=  06:TRA9       2.38      .406 No_date    3:30   57.67  n/a
 006:0985---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD      07:A10        .59      .102 No_date    3:30   56.51 .718
       [XIMP=.50:TIMP=.50]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=   .0]
 006:0986---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 07:A10        .59      .102 No_date    3:30   56.51  n/a
  *  [RDT= 2.00] out<- 08:Pipe18       .59      .102 No_date    3:30   56.51  n/a
       [L/S/n=   60./2.000/.013]
       [Vmax= 2.078:Dmax=  .145}
       [Din=  .53:Dused=  .53}
 006:0987---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             08:Pipe18       .59      .102 No_date    3:30   56.51  n/a
                       + 06:TRA9       2.38      .406 No_date    3:30   57.67  n/a
       [DT= 2.00]  SUM=  09:TRA10      2.97      .508 No_date    3:30   57.44  n/a
 006:0988---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD      01:A11        .82      .143 No_date    3:30   56.51 .718
       [XIMP=.50:TIMP=.50]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=   .0]
 006:0989---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 01:A11        .82      .143 No_date    3:30   56.51  n/a
  *  [RDT= 2.00] out<- 02:Pipe19       .82      .142 No_date    3:30   56.51  n/a
       [L/S/n=   59./2.000/.013]
       [Vmax= 2.288:Dmax=  .173}
       [Din=  .53:Dused=  .53}
 006:0990---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             09:TRA10      2.97      .508 No_date    3:30   57.44  n/a
                       + 02:Pipe19       .82      .142 No_date    3:30   56.51  n/a
       [DT= 2.00]  SUM=  03:TRA11      3.80      .650 No_date    3:30   57.23  n/a
 006:0991---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD      04:A12        .30      .043 No_date    3:30   44.39 .564
       [XIMP=.20:TIMP=.20]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=   .0]
 006:0992---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 04:A12        .30      .043 No_date    3:30   44.39  n/a
  *  [RDT= 2.00] out<- 05:Pipe20       .30      .043 No_date    3:30   44.39  n/a
       [L/S/n=   69./2.000/.013]
       [Vmax= 1.600:Dmax=  .094}
       [Din=  .53:Dused=  .53}
 006:0993---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             05:Pipe20       .30      .043 No_date    3:30   44.39  n/a
                       + 03:TRA11      3.80      .650 No_date    3:30   57.23  n/a
       [DT= 2.00]  SUM=  06:TRA12      4.10      .693 No_date    3:30   56.29  n/a
 006:0994---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
  *  CALIB STANDHYD      07:A13        .31      .048 No_date    3:30   48.43 .615
       [XIMP=.30:TIMP=.30]
       [LOSS= 2 :CN= 77.0]
       [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
       [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
 006:0995---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE PIPE       -> 07:A13        .31      .048 No_date    3:30   48.43  n/a
  *  [RDT= 2.00] out<- 08:Pipe21       .31      .048 No_date    3:30   48.43  n/a
       [L/S/n=   53./1.900/.013]
       {Vmax= 1.621:Dmax=  .100}
```

```
     [Din=  .53:Dused=  .53]
006:0996--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe21      .31     .048 No_date    3:30   48.43  n/a
                      + 06:TRA12      4.10     .693 No_date    3:30   56.29  n/a
     [DT= 2.00]  SUM=  09:TRA13      4.41     .741 No_date    3:30   55.74  n/a
006:0997--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A14         .22     .035 No_date    3:30   48.43 .615
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
006:0998--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A14         .22     .035 No_date    3:30   48.43  n/a
 *   [RDT= 2.00] out<- 02:Pipe22      .22     .035 No_date    3:30   48.43  n/a
     [L/S/n=   52./1.250/.013]
     [Vmax= 1.267:Dmax=  .092]
     [Din=  .60:Dused=  .60]
006:0999--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe22      .22     .035 No_date    3:30   48.43  n/a
                      + 09:TRA13      4.41     .741 No_date    3:30   55.74  n/a
     [DT= 2.00]  SUM=  03:TRA14      4.63     .776 No_date    3:30   55.39  n/a
006:1000--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      04:A15         .24     .037 No_date    3:30   48.43 .615
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
006:1001--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:A15         .24     .037 No_date    3:30   48.43  n/a
 *   [RDT= 2.00] out<- 05:Pipe23      .24     .037 No_date    3:30   48.43  n/a
     [L/S/n=   10./ .500/.013]
     [Vmax=  .895:Dmax=  .110]
     [Din=  .75:Dused=  .75]
006:1002--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe23      .24     .037 No_date    3:30   48.43  n/a
                      + 03:TRA14      4.63     .776 No_date    3:30   55.39  n/a
     [DT= 2.00]  SUM=  06:TRA15      4.87     .814 No_date    3:30   55.05  n/a
006:1003--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:A101        3.00     .568 No_date    3:30   63.30 .804
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
006:1004--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A101        3.00     .568 No_date    3:30   63.30  n/a
 *   [RDT= 2.00] out<- 02:Pipe24      3.00     .567 No_date    3:30   63.30  n/a
     [L/S/n=   60./ .750/.013]
     [Vmax= 2.266:Dmax=  .374]
     [Din=  .90:Dused=  .90]
006:1005--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:Pipe24      3.00     .567 No_date    3:30   63.30  n/a
 *   [RDT= 2.00] out<- 03:Pipe25      3.00     .566 No_date    3:30   63.30  n/a
     [L/S/n=   36./ .400/.013]
     [Vmax= 1.773:Dmax=  .510]
     [Din=  .75:Dused=  .75]
006:1006--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             06:TRA15      4.87     .814 No_date    3:30   55.05  n/a
                      + 03:Pipe25      3.00     .566 No_date    3:30   63.30  n/a
     [DT= 2.00]  SUM=  04:TRA101     7.87    1.380 No_date    3:30   58.20  n/a
006:1007--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:TRA101     7.87    1.380 No_date    3:30   58.20  n/a
 *   [RDT= 2.00] out<- 05:Pipe26      7.87    1.377 No_date    3:30   58.20  n/a
     [L/S/n=   51./ .650/.013]
     [Vmax= 2.610:Dmax=  .697]
     [Din=  .90:Dused=  .90]
006:1008--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:A102        .74     .156 No_date    3:30   70.00 .889
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```
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
006:1009--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:A102        .74     .156 No_date    3:30   70.00  n/a
 *   [RDT= 2.00] out<- 02:Pipe27      .74     .156 No_date    3:30   70.00  n/a
     [L/S/n=   42./1.000/.013]
     [Vmax= 1.794:Dmax=  .275]
     [Din=  .38:Dused=  .38]
006:1010--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe26      7.87    1.377 No_date    3:30   58.20  n/a
                      + 02:Pipe27      .74     .156 No_date    3:30   70.00  n/a
     [DT= 2.00]  SUM=  04:8thSTR      8.61    1.533 No_date    3:30   59.21  n/a
006:1011--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:8thSTR      8.61    1.533 No_date    3:30   59.21  n/a
 *   [RDT= 2.00] out<- 05:Pipe28      8.61    1.530 No_date    3:30   59.21  n/a
     [L/S/n=   88./3.260/.013]
     [Vmax= 5.009:Dmax=  .490]
     [Din=  .75:Dused=  .75]
006:1012--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      06:A103        2.55     .500 No_date    3:30   63.30 .804
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
006:1013--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 06:A103        2.55     .500 No_date    3:30   63.30  n/a
 *   [RDT= 2.00] out<- 07:Pipe29      2.55     .500 No_date    3:30   63.30  n/a
     [L/S/n=   65./2.800/.013]
     [Vmax= 3.565:Dmax=  .265]
     [Din=  .75:Dused=  .75]
006:1014--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe28      8.61    1.530 No_date    3:30   59.21  n/a
                      + 07:Pipe29      2.55     .500 No_date    3:30   63.30  n/a
     [DT= 2.00]  SUM=  08:OSCVIb     11.16    2.029 No_date    3:30   60.15  n/a
006:1015--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      09:AREAB       6.03    1.158 No_date    3:30   63.30 .804
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0]
006:1016--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:AREAB       6.03    1.158 No_date    3:30   63.30  n/a
                      + 08:OSCVIb     11.16    2.029 No_date    3:30   60.15  n/a
     [DT= 2.00]  SUM=  01:OSCVI      17.19    3.187 No_date    3:30   61.25  n/a
006:1017--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 01:OSCVI      17.19    3.187 No_date    3:30   61.25  n/a
 *   [RDT= 2.00] out<- 02:Pipe30      17.19    3.178 No_date    3:30   61.25  n/a
     [L/S/n=  150./2.600/.013]
     [Vmax= 5.345:Dmax=  .763]
     [Din=  .90:Dused=  .93]
006:1018--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      03:HOSP        4.59     .681 No_date    3:30   49.90 .634
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0]
006:1019--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:HOSP        4.59     .681 No_date    3:30   49.90  n/a
 *   [RDT= 2.00] out<- 04:Pipe31      4.59     .680 No_date    3:32   49.90  n/a
     [L/S/n=  118./6.000/.013]
     [Vmax= 4.972:Dmax=  .366]
     [Din=  .38:Dused=  .45]
006:1020--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe31      4.59     .680 No_date    3:32   49.90  n/a
 *   [RDT= 2.00] out<- 05:Pipe32      4.59     .681 No_date    3:32   49.90  n/a
```

```
     [L/S/n=   70./1.100/.013]
     {Vmax= 2.631:Dmax=  .503}
     [Din=  .60:Dused=  .61}
006:1021---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             02:Pipe30    17.19     3.178 No_date    3:30   61.25  n/a
                    +   05:Pipe32     4.59      .681 No_date    3:32   49.90  n/a
     [DT= 2.00]  SUM=   06:TOTHSP    21.78     3.851 No_date    3:30   58.86  n/a
006:1022---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:TOTHSP    21.78     3.851 No_date    3:30   58.86  n/a
 *   [RDT= 2.00] out<- 07:Pipe33    21.78     3.846 No_date    3:30   58.86  n/a
     [L/S/n=   60./4.300/.013]
     {Vmax= 6.767:Dmax=  .746}
     [Din=  .90:Dused=  .91}
006:1023---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      08:104        4.20      .804 No_date    3:30   63.30 .804
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=    .0]
006:1024---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:Pipe33    21.78     3.846 No_date    3:30   58.86  n/a
                    +   08:104        4.20      .804 No_date    3:30   63.30  n/a
     [DT= 2.00]  SUM=   09:TOT104    25.98     4.650 No_date    3:30   59.58  n/a
006:1025---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104    25.98     4.650 No_date    3:30   59.58  n/a
 *   [RDT= 2.00] out<- 01:Pipe34    25.98     4.642 No_date    3:30   59.58  n/a
     [L/S/n=   59./1.300/.013]
     {Vmax= 4.529:Dmax= 1.002}
     [Din= 1.20:Dused= 1.22}
006:1026---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:105        3.59      .597 No_date    3:30   51.58 .655
     [XIMP=.25:TIMP=.25]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=    .0]
006:1027---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:105        3.59      .597 No_date    3:30   51.58  n/a
 *   [RDT= 2.00] out<- 03:Pipe35     3.59      .594 No_date    3:30   51.58  n/a
     [L/S/n=   70./ .750/.013]
     {Vmax= 2.206:Dmax=  .514}
     [Din=  .60:Dused=  .63}
006:1028---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35     3.59      .594 No_date    3:30   51.58  n/a
 *   [RDT= 2.00] out<- 04:Pipe36     3.59      .590 No_date    3:30   51.58  n/a
     [L/S/n=  120./1.050/.013]
     {Vmax= 2.531:Dmax=  .464}
     [Din=  .60:Dused=  .60}
006:1029---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:105.2      2.44      .404 No_date    3:30   53.25 .677
     {XIMP=.30:TIMP=.30}
     {LOSS= 2 :CN= 83.0}
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=    .0]
006:1030---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             04:Pipe36     3.59      .590 No_date    3:30   51.58  n/a
                    +   05:105.2      2.44      .404 No_date    3:30   53.25  n/a
     [DT= 2.00]  SUM=   06:T105.2     6.03      .993 No_date    3:30   52.26  n/a
006:1031---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2     6.03      .993 No_date    3:30   52.26  n/a
 *   [RDT= 2.00] out<- 07:Pipe37     6.03      .990 No_date    3:30   52.26  n/a
     [L/S/n=   75./2.800/.013]
     {Vmax= 4.142:Dmax=  .474}
     [Din=  .60:Dused=  .60}
006:1032---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37     6.03      .990 No_date    3:30   52.26  n/a
 *   [RDT= 2.00] out<- 08:Pipe38     6.03      .987 No_date    3:30   52.26  n/a
     [L/S/n=   69./2.200/.013]
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     {Vmax= 3.748:Dmax=  .508}
     [Din=  .60:Dused=  .62}
006:1033---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      09:AREA A     2.34      .377 No_date    3:30   45.59 .579
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=    .0]
006:1034---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:AREA A     2.34      .377 No_date    3:30   45.59  n/a
                    +   08:Pipe38     6.03      .987 No_date    3:30   52.26  n/a
     [DT= 2.00]  SUM=   02:OSCVIA     8.37     1.364 No_date    3:30   50.39  n/a
006:1035---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:OSCVIA     8.37     1.364 No_date    3:30   50.39  n/a
 *   [RDT= 2.00] out<- 03:Pipe39     8.37     1.361 No_date    3:30   50.39  n/a
     [L/S/n=   50./3.000/.013]
     {Vmax= 4.561:Dmax=  .541}
     [Din=  .60:Dused=  .66}
006:1036---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe39     8.37     1.361 No_date    3:30   50.39  n/a
 *   [RDT= 2.00] out<- 04:Pipe40     8.37     1.358 No_date    3:30   50.39  n/a
     [L/S/n=   30./1.000/.013]
     {Vmax= 3.019:Dmax=  .664}
     [Din=  .75:Dused=  .81}
006:1037---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:Pipe34    25.98     4.642 No_date    3:30   59.58  n/a
                    +   04:Pipe40     8.37     1.358 No_date    3:30   50.39  n/a
     [DT= 2.00]  SUM=   05:16&10     34.35     6.001 No_date    3:30   57.34  n/a
006:1038---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16&10     34.35     6.001 No_date    3:30   57.34  n/a
 *   [RDT= 2.00] out<- 06:Pipe41    34.35     5.982 No_date    3:30   57.34  n/a
     [L/S/n=   80./ .600/.013]
     {Vmax= 3.613:Dmax= 1.274}
     [Din= 1.50:Dused= 1.55}
006:1039---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      07:999        4.20      .470 No_date    3:30   49.90 .634
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=    .0]
006:1040---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:999        4.20      .470 No_date    3:30   49.90  n/a
 *   [RDT= 2.00] out<- 08:Pipe42     4.20      .465 No_date    3:30   49.90  n/a
     {L/S/n=  100./3.000/.013]
     {Vmax= 3.534:Dmax=  .351}
     [Din=  .45:Dused=  .45}
006:1041---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             08:Pipe42     4.20      .465 No_date    3:30   49.90  n/a
                    +   06:Pipe41    34.35     5.982 No_date    3:30   57.34  n/a
     [DT= 2.00]  SUM=   09:TRA999    38.55     6.446 No_date    3:30   56.53  n/a
006:1042---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:106        1.95      .290 No_date    3:30   49.90 .634
     {XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=    .0]
006:1043---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA999    38.55     6.446 No_date    3:30   56.53  n/a
                    +   01:106        1.95      .290 No_date    3:30   49.90  n/a
     [DT= 2.00]  SUM=   02:TRA106    40.50     6.737 No_date    3:30   56.21  n/a
006:1044---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 02:TRA106    40.50     6.737 No_date    3:30   56.21  n/a
     [RDT= 2.00] out<- 03:CHAN-1    40.50     6.687 No_date    3:30   56.21  n/a
     [L/S/n=  150./2.000/.035]
     {Vmax= 2.490:Dmax=  .672}
006:1045---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1    40.50     6.687 No_date    3:30   56.21  n/a
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     [RDT= 2.00] out<- 04:POND1      40.50     2.210 No_date    3:56   56.21  n/a
     {MxStoUsed=.1302E+01}
006:1046---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      05:107.1        .96      .165 No_date    3:30   56.60 .719
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
006:1047---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:107.1        .96      .165 No_date    3:30   56.60  n/a
 *  [RDT= 2.00] out<- 06:Pipe43        .96      .164 No_date    3:30   56.60  n/a
     [L/S/n=   43./2.400/.013]
     {Vmax= 2.473:Dmax=  .255}
     {Din=  .30:Dused=  .31}
006:1048---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      07:107.2        .30      .051 No_date    3:30   56.60 .719
     {XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
006:1049---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:107.2        .30      .051 No_date    3:30   56.60  n/a
                      + 06:Pipe43       .96      .164 No_date    3:30   56.60  n/a
     [DT= 2.00]  SUM=  08:T107.2      1.26      .216 No_date    3:30   56.60  n/a
006:1050---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:T107.2      1.26      .216 No_date    3:30   56.60  n/a
 *  [RDT= 2.00] out<- 09:Pipe44       1.26      .215 No_date    3:30   56.60  n/a
     [L/S/n=   65./2.200/.013]
     {Vmax= 2.633:Dmax=  .261}
     {Din=  .38:Dused=  .38}
006:1051---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      01:107.3        .30      .051 No_date    3:30   56.60 .719
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
006:1052---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:107.3        .30      .051 No_date    3:30   56.60  n/a
                      + 09:Pipe44       1.26     .215 No_date    3:30   56.60  n/a
     [DT= 2.00]  SUM=  02:T107.3       1.56      .266 No_date    3:30   56.60  n/a
006:1053---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3      1.56      .266 No_date    3:30   56.60  n/a
 *  [RDT= 2.00] out<- 03:Pipe45       1.56      .266 No_date    3:30   56.60  n/a
     [L/S/n=   55./1.900/.013[
     {Vmax= 2.654:Dmax=  .271}
     {Din=  .45:Dused=  .45}
006:1054---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:Pipe45       1.56      .266 No_date    3:30   56.60  n/a
                      + 04:POND1       40.50     2.210 No_date    3:56   56.21  n/a
     [DT= 2.00]  SUM=  05:16+10       42.06     2.293 No_date    3:56   56.22  n/a
006:1055---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10      42.06     2.293 No_date    3:56   56.22  n/a
 *  [RDT= 2.00] out<- 06:Pipe46       42.06     2.293 No_date    3:56   56.22  n/a
     [L/S/n=   94./ .600/.013]
     {Vmax= 2.937:Dmax=  .782}
     [Din= 1.20:Dused= 1.20}
006:1056---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      07:900          7.25     1.365 No_date    3:30   63.30 .804
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     {Pervious      area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=   .0]
006:1057---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900          7.25     1.365 No_date    3:30   63.30  n/a
     [RDT= 2.00] out<- 08:POND2        7.25      .633 No_date    3:36   63.30  n/a
     {MxStoUsed=.1373E+00}
006:1058---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
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    ROUTE PIPE       -> 08:POND2        7.25      .633 No_date    3:36   63.30  n/a
 *  [RDT= 2.00] out<- 09:Pipe47        7.25      .632 No_date    3:38   63.30  n/a
     [L/S/n=  250./ .400/.013}
     {Vmax= 1.804:Dmax=  .555}
     [Din=  .75:Dused=  .75}
006:1059---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:Pipe47       7.25      .632 No_date    3:38   63.30  n/a
                      + 06:Pipe46      42.06     2.293 No_date    3:56   56.22  n/a
     [DT= 2.00]  SUM=  01:TRP2        49.31     2.899 No_date    3:56   57.27  n/a
006:1060---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD      02:108          1.10      .189 No_date    3:30   56.60 .719
     [XIMP=.40:TIMP=.40]
     [LOSS= 2 :CN= 83.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=   .0]
006:1061---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:TRP2        49.31     2.899 No_date    3:56   57.27  n/a
                      + 02:108          1.10      .189 No_date    3:30   56.60  n/a
     [DT= 2.00]  SUM=  03:T108        50.41     2.957 No_date    3:56   57.25  n/a
006:1062---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:T108       50.41     2.957 No_date    3:56   57.25  n/a
 *  [RDT= 2.00] out<- 04:Pipe48       50.41     2.956 No_date    3:56   57.25  n/a
     [L/S/n=   60./ .580/.013]
     {Vmax= 2.992:Dmax=  .980}
     [Din= 1.20:Dused= 1.20}
006:1063---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe48       50.41     2.956 No_date    3:56   57.25  n/a
 *  [RDT= 2.00] out<- 05:Pipe49       50.41     2.959 No_date    3:56   57.25  n/a
     [L/S/n=   59./ .630/.013]
     {Vmax= 3.116:Dmax=  .938}
     [Din= 1.20:Dused= 1.20}
006:1064---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:ANDPET       7.70      .971 No_date    3:30   51.25 .651
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 65.0]
     [Pervious      area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=   .0]
006:1065---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET       7.70      .971 No_date    3:30   51.25  n/a
     {RDT= 2.00] out<- 07:ANDPND       7.70      .583 No_date    3:32   51.25  n/a
     {MxStoUsed=.9018E-01}
006:1066---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:ANDPND       7.70      .583 No_date    3:32   51.25  n/a
 *  [RDT= 2.00] out<- 08:Pipe50        7.70      .580 No_date    3:34   51.25  n/a
     [L/S/n=   59./ .200/.013]
     {Vmax= 1.336:Dmax=  .653}
     [Din=  .75:Dused=  .80}
006:1067---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe49       50.41     2.959 No_date    3:56   57.25  n/a
                      + 08:Pipe50        7.70      .580 No_date    3:34   51.25  n/a
     [DT= 2.00]  SUM=  09:TOTAND      58.11     3.474 No_date    3:56   56.46  n/a
006:1068---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:RETRES        .90      .148 No_date    3:30   57.87 .735
     [XIMP=.63:TIMP=.63]
     [LOSS= 2 :CN= 65.0]
     [Pervious      area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0]
     [Impervious    area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0]
006:1069---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES        .90      .148 No_date    3:30   57.87  n/a
     [RDT= 2.00] out<- 02:POND3         .90      .147 No_date    3:30   57.87  n/a
     {MxStoUsed=.9241E-02}
006:1070---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TOTAND      58.11     3.474 No_date    3:56   56.46  n/a
                      + 02:POND3         .90      .147 No_date    3:30   57.87  n/a
     [DT= 2.00]  SUM=  05:TOT16       59.01     3.519 No_date    3:56   56.48  n/a
006:1071---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:WLMRT       20.72     3.358 No_date    3:30   62.21 .790
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     [XIMP=.65:TIMP=.65]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0]
006:1072--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT       1.58     .199 No_date    3:30   37.22 .473
     [CN= 78.0: N= 3.00]
     [Tp=  .11:DT= 2.00]
006:1073--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT     20.72    3.358 No_date    3:30   62.21  n/a
                     + 07:WEXT       1.58     .199 No_date    3:30   37.22  n/a
     [DT= 2.00]  SUM=  08:TWLMRT    22.30    3.557 No_date    3:30   60.44  n/a
006:1074--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT    22.30    3.557 No_date    3:30   60.44  n/a
     [RDT= 2.00] out<- 09:WMRTPD    22.30    1.326 No_date    3:56   60.44  n/a
     {MxStoUsed=.5789E+00}
006:1075--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 09:WMRTPD    22.30    1.326 No_date    3:56   60.44  n/a
     [RDT= 2.00] out<- 01:16thST    22.30    1.326 No_date    3:56   60.44  n/a
     [L/S/n=  180./ .580/.013]
     {Vmax= 2.547:Dmax=  .609}
     [Din= 1.05:Dused= 1.05}
006:1076--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT       3.62     .782 No_date    3:30   74.63 .948
     [XIMP=.95:TIMP=.95}
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0]
006:1077--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16     59.01    3.519 No_date    3:56   56.48  n/a
                     + 01:16thST    22.30    1.326 No_date    3:56   60.44  n/a
     [DT= 2.00]  SUM=  04:TN1       81.31    4.845 No_date    3:56   57.56  n/a
006:1078--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT       3.62     .782 No_date    3:30   74.63  n/a
                     + 04:TN1       81.31    4.845 No_date    3:56   57.56  n/a
     [DT= 2.00]  SUM=  03:TND1      84.93    5.054 No_date    3:54   58.29  n/a
006:1079--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:TND1      84.93    5.054 No_date    3:54   58.29  n/a
     [RDT= 2.00] out<- 04:ND1ND2    84.93    5.057 No_date    3:56   58.29  n/a
     [L/S/n=  150./ .730/.013]
     {Vmax= 3.638:Dmax=  .719}
     {HGTH= 1.22:WDTH= 1.93}
006:1080--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a       4.44     .432 No_date    3:34   33.45 .425
     [CN= 77.0: N= 3.00]
     [Tp=  .19:DT= 2.00]
006:1081--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 05:CA2a       4.44     .432 No_date    3:34   33.45  n/a
     [LAG=  5.7 min]<- 06:SH2a       4.44     .432 No_date    3:38   33.45  n/a
006:1082--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a       5.11     .890 No_date    3:30   60.82 .773
     [XIMP=.55:TIMP=.66]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0]
006:1083--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 07:CA3a       5.11     .890 No_date    3:30   60.82  n/a
     [LAG=  2.5 min]<- 08:SH3a       5.11     .890 No_date    3:32   60.82  n/a
006:1084--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b       2.82     .563 No_date    3:30   68.83 .875
     [XIMP=.81:TIMP=.81]
     [LOSS= 2 :CN= 76.0[
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0]
006:1085--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM     1.10     .239 No_date    3:30   74.63 .948
     [XIMP=.95:TIMP=.95]
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     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0]
006:1086--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10     .239 No_date    3:30   74.63  n/a
     [RDT= 2.00] out<- 02:ACPND      1.10     .224 No_date    3:30   74.63  n/a
     {MxStoUsed=.1355E-01}
006:1087--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:ND1ND2    84.93    5.057 No_date    3:56   58.29  n/a
                     + 06:SH2a       4.44     .432 No_date    3:38   33.45  n/a
     [DT= 2.00]  SUM=  03:T2a       89.37    5.308 No_date    3:54   57.06  n/a
006:1088--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T2a       89.37    5.308 No_date    3:54   57.06  n/a
                     + 08:SH3a       5.11     .890 No_date    3:32   60.82  n/a
     [DT= 2.00]  SUM=  04:T2b       94.48    5.626 No_date    3:54   57.26  n/a
006:1089--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:T2b       94.48    5.626 No_date    3:54   57.26  n/a
                     + 02:ACPND      1.10     .224 No_date    3:30   74.63  n/a
     [DT= 2.00]  SUM=  05:T2c       95.58    5.712 No_date    3:52   57.46  n/a
006:1090--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T2c       95.58    5.712 No_date    3:52   57.46  n/a
                     + 09:CA3b       2.82     .563 No_date    3:30   68.83  n/a
     [DT= 2.00]  SUM=  03:TND2      98.40    5.870 No_date    3:52   57.79  n/a
006:1091--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    03:TND2      98.40    5.870 No_date    3:52   57.79  n/a
      Major System /   04:CHAN      17.88    2.850 No_date    3:52   57.79  n/a
      Minor System \   05:PIPE      80.52    3.020 No_date    3:10   57.79  n/a
006:1092--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:PIPE      80.52    3.020 No_date    3:10   57.79  n/a
     [RDT= 2.00] out<- 06:N3N4P     80.52    3.020 No_date    4:00   57.79  n/a
     [L/S/n=  640./ .600/.013]
     [Vmax= 3.043:Dmax=  .985}
     [Din= 1.20:Dused= 1.20}
006:1093--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 04:CHAN      17.88    2.850 No_date    3:52   57.79  n/a
 *   [RDT= 2.00] out<- 07:N2N3C     17.88    2.824 No_date    3:56   57.79  n/a
     {L/S/n=  240./ .650/.035]
     {Vmax= 1.258:Dmax=  .500}
006:1094--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA1       16.29     .390 No_date    5:06   28.57 .363
     [CN= 72.0: N= 3.00]
     [Tp= 1.37:DT= 2.00]
006:1095--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 08:CA1       16.29     .390 No_date    5:06   28.57  n/a
     [LAG= 34.4 min]<- 09:SH1       16.29     .390 No_date    5:40   28.57  n/a
006:1096--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA2b       5.16     .327 No_date    3:44   29.69 .377
     [CN= 73.0: N= 3.00]
     [Tp=  .33:DT= 2.00]
006:1097--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD        -> 02:CA2b       5.16     .327 No_date    3:44   29.69  n/a
     [LAG= 37.7 min]<- 03:SH2b       5.16     .327 No_date    4:20   29.69  n/a
006:1098--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:CA4b      14.53    1.554 No_date    3:36   50.43 .641
     [XIMP=.25:TIMP=.44]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0]
006:1099--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:MALL      13.24    2.342 No_date    3:30   70.15 .891
     [XIMP=.63:TIMP=.89]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0]
006:1100--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    05:MALL      13.24    2.342 No_date    3:30   70.15  n/a
      Major System /   08:CHAN       4.03    1.555 No_date    3:30   70.15  n/a
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      Minor System \  01:PIPE       9.21     .787 No_date    3:08   70.15  n/a
006:1101--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           07:N2N3C     17.88    2.824 No_date    3:56   57.79  n/a
                    + 09:SH1       16.29     .390 No_date    5:40   28.57  n/a
     [DT= 2.00]  SUM= 02:T3a       34.17    2.843 No_date    3:56   43.86  n/a
006:1102--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           02:T3a       34.17    2.843 No_date    3:56   43.86  n/a
                    + 03:SH2b       5.16     .327 No_date    4:20   29.69  n/a
     [DT= 2.00]  SUM= 07:T3a       39.33    2.962 No_date    3:58   42.00  n/a
006:1103--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           07:T3a       39.33    2.962 No_date    3:58   42.00  n/a
                    + 04:CA4b      14.53    1.554 No_date    3:36   50.43  n/a
     [DT= 2.00]  SUM= 02:T3b       53.86    4.284 No_date    3:34   44.27  n/a
006:1104--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           08:CHAN       4.03    1.555 No_date    3:30   70.15  n/a
                    + 02:T3b       53.86    4.284 No_date    3:34   44.27  n/a
     [DT= 2.00]  SUM= 03:TND3      57.89    5.811 No_date    3:32   46.07  n/a
006:1105--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND3      57.89    5.811 No_date    3:32   46.07  n/a
 *   [RDT= 2.00] out<- 07:ND3ND4    57.89    5.552 No_date    3:36   46.07  n/a
     [L/S/n=  390./ .650/.035]
     (Vmax= 1.546:Dmax=  .722)
006:1106--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    08:CA5       15.85    1.672 No_date    3:30   47.78 .607
     [XIMP=.32:TIMP=.47]
     [LOSS= 2 :CN= 69.0]
     [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
006:1107--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA5       15.85    1.672 No_date    3:30   47.78  n/a
     [LAG=  5.9 min]<- 09:SH5       15.85    1.672 No_date    3:34   47.78  n/a
006:1108--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    02:CA6b      32.10    2.333 No_date    3:34   48.60 .618
     [XIMP=.20:TIMP=.40]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
006:1109--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           02:CA6b      32.10    2.333 No_date    3:34   48.60  n/a
                    + 09:SH5       15.85    1.672 No_date    3:34   47.78  n/a
     [DT= 2.00]  SUM= 08:T56ND3    47.95    4.005 No_date    3:34   48.33  n/a
006:1110--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    03:CA7        2.90     .254 No_date    3:30   42.11 .535
     [XIMP=.33:TIMP=.38]
     [LOSS= 2 :CN= 63.0]
     [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
006:1111--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA7        2.90     .254 No_date    3:30   42.11  n/a
     [LAG=  6.6 min]<- 04:SH7        2.90     .254 No_date    3:36   42.11  n/a
006:1112--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    05:CA8        8.01    1.573 No_date    3:30   68.55 .871
     [XIMP=.73:TIMP=.84]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0]
006:1113--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA8        8.01    1.573 No_date    3:30   68.55  n/a
     [LAG=  2.9 min]<- 02:SH8        8.01    1.573 No_date    3:32   68.55  n/a
006:1114--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    03:CA11       4.18     .478 No_date    3:32   48.75 .619
     [XIMP=.28:TIMP=.36]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0]
006:1115--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           04:SH7        2.90     .254 No_date    3:36   42.11  n/a
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                    + 02:SH8        8.01    1.573 No_date    3:32   68.55  n/a
     [DT= 2.00]  SUM= 05:T7811a    10.91    1.816 No_date    3:32   61.53  n/a
006:1116--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           05:T7811a    10.91    1.816 No_date    3:32   61.53  n/a
                    + 03:CA11       4.18     .478 No_date    3:32   48.75  n/a
     [DT= 2.00]  SUM= 04:T7811b    15.09    2.294 No_date    3:32   57.99  n/a
006:1117--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           08:T56ND3    47.95    4.005 No_date    3:34   48.33  n/a
                    + 04:T7811b    15.09    2.294 No_date    3:32   57.99  n/a
     [DT= 2.00]  SUM= 05:T7811     63.04    6.210 No_date    3:32   50.64  n/a
006:1118--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           07:ND3ND4    57.89    5.552 No_date    3:36   46.07  n/a
                    + 05:T7811     63.04    6.210 No_date    3:32   50.64  n/a
     [DT= 2.00]  SUM= 02:T56781   120.93   11.531 No_date    3:32   48.46  n/a
006:1119--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD    03:CA3c       1.14     .175 No_date    3:30   55.08 .700
     [XIMP=.45:TIMP=.50]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0]
006:1120--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:CA3c       1.14     .175 No_date    3:30   55.08  n/a
     [RDT= 2.00] out<- 04:3cPIPE     1.14     .169 No_date    3:30   55.08  n/a
     [L/S/n=  240./ .200/.013]
     (Vmax= 1.030:Dmax=  .348)
     [Din=  .60:Dused=  .60)
006:1121--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD    05:CA4a       1.86     .369 No_date    3:30   67.57 .859
     [XIMP=.75:TIMP=.80]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0]
006:1122--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           01:PIPE       9.21     .787 No_date    3:08   70.15  n/a
                    + 05:CA4a       1.86     .369 No_date    3:30   67.57  n/a
     [DT= 2.00]  SUM= 08:TMLL4a    11.07    1.156 No_date    3:30   69.72  n/a
006:1123--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           08:TMLL4a    11.07    1.156 No_date    3:30   69.72  n/a
                    + 04:3cPIPE     1.14     .169 No_date    3:30   55.08  n/a
     [DT= 2.00]  SUM= 07:TMLL3c    12.21    1.325 No_date    3:30   68.35  n/a
006:1124--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c    12.21    1.325 No_date    3:30   68.35  n/a
     [RDT= 2.00] out<- 09:ML3CN4    12.21    1.319 No_date    3:30   68.35  n/a
     [L/S/n=  405./ .600/.013]
     (Vmax= 2.238:Dmax=  .305)
     (HGTH= 1.22:WDTH= 1.93)
006:1125--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD      08:CA6a       3.04     .250 No_date    3:36   31.25 .397
     [CN= 74.0: N= 3.00]
     [Tp=  .23:DT= 2.00]
006:1126--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           08:CA6a       3.04     .250 No_date    3:36   31.25  n/a
                    + 09:ML3CN4    12.21    1.319 No_date    3:30   68.35  n/a
     [DT= 2.00]  SUM= 01:ML436a    15.25    1.540 No_date    3:30   60.96  n/a
006:1127--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           02:T56781   120.93   11.531 No_date    3:32   48.46  n/a
                    + 01:ML436a    15.25    1.540 No_date    3:30   60.96  n/a
     [DT= 2.00]  SUM= 03:ML436b   136.18   13.041 No_date    3:32   49.86  n/a
006:1128--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD           06:N3N4P     80.52    3.020 No_date    4:00   57.79  n/a
                    + 03:ML436b   136.18   13.041 No_date    3:32   49.86  n/a
     [DT= 2.00]  SUM= 04:TND4     216.70   16.060 No_date    3:32   52.80  n/a
006:1129--------------ID:NHYD------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:TND4     216.70   16.060 No_date    3:32   52.80  n/a
     [RDT= 2.00] out<- 02:ND4ND5   216.70   15.364 No_date    3:36   52.80  n/a
     [L/S/n=  697./ .650/.035]
     (Vmax= 2.672:Dmax= 2.053)
```

```
006:1130---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:MLLRE      1.26     .239 No_date    3:30   63.87 .812
     [XIMP=.60:TIMP=.74]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0]
     |Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0]
006:1131---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:MLLRE      1.26     .239 No_date    3:30   63.87  n/a
     |RDT= 2.00] out<- 04:MLLRCE     1.26     .112 No_date    3:36   63.87  n/a
    {MxStoUsed=.2405E-01}
006:1132---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 04:MLLRCE     1.26     .112 No_date    3:36   63.87  n/a
     |LAG= 18.8 min]<- 05:SHMLRE     1.26     .112 No_date    3:54   63.87  n/a
006:1133---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:MLLRW      1.73     .357 No_date    3:30   71.51 .909
     [XIMP=.82:TIMP=.90]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0]
     |Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0]
006:1134---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:MLLRW      1.73     .357 No_date    3:30   71.51  n/a
     [RDT= 2.00] out<- 07:MLLRCW     1.73     .238 No_date    3:34   71.51  n/a
    {MxStoUsed=.3302E-01}
006:1135---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:MLLRCW     1.73     .238 No_date    3:34   71.51  n/a
     [LAG= 13.4 min]<- 08:SHMLRW     1.73     .238 No_date    3:46   71.51  n/a
006:1136---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA9        7.85     .971 No_date    3:30   52.33 .665
     |XIMP=.42:TIMP=.43]
     [LOSS= 2 :CN= 75.0]
     [Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0]
006:1137---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TOTMLR     1.73     .238 No_date    3:46   71.51  n/a
                     + 05:SHMLRE     1.26     .112 No_date    3:54   63.87  n/a
     [DT= 2.00]  SUM=  08:TOTMLR     2.99     .344 No_date    3:48   68.29  n/a
006:1138---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:CA9        7.85     .971 No_date    3:30   52.33  n/a
                     + 08:TOTMLR     2.99     .344 No_date    3:48   68.29  n/a
     [DT= 2.00]  SUM=  03:T9MLR     10.84    1.210 No_date    3:30   56.73  n/a
006:1139---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:T9MLR     10.84    1.210 No_date    3:30   56.73  n/a
     [LAG= 19.3 min]<- 04:CA9       10.84    1.210 No_date    3:48   56.73  n/a
006:1140---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA10      17.87    1.729 No_date    3:34   33.23 .422
     [CN= 77.0: N= 3.00]
     |Tp=  .19:DT= 2.00]
006:1141---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:CA13       7.15     .820 No_date    3:30   53.78 .683
     [XIMP=.44:TIMP=.54]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0]
006:1142---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA14       7.52     .641 No_date    3:30   46.50 .591
     [XIMP=.32:TIMP=.35]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
     |Impervious   area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0]
006:1143---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:CA10      17.87    1.729 No_date    3:34   33.23  n/a
                     + 06:CA13       7.15     .820 No_date    3:30   53.78  n/a
     |DT= 2.00]  SUM=  08:T1013     25.02    2.434 No_date    3:30   39.10  n/a
006:1144---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:T1013     25.02    2.434 No_date    3:30   39.10  n/a
                     + 04:CA9       10.84    1.210 No_date    3:48   56.73  n/a
     [DT= 2.00]  SUM=  03:T14       35.86    3.251 No_date    3:30   44.43  n/a
```



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006:1145---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T14       35.86    3.251 No_date    3:30   44.43  n/a
                     + 07:CA14       7.52     .641 No_date    3:30   46.50  n/a
     [DT= 2.00]  SUM=  04:T91013    43.38    3.892 No_date    3:30   44.79  n/a
006:1146---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:ND4ND5   216.70   15.364 No_date    3:36   52.80  n/a
                     + 04:T91013    43.38    3.892 No_date    3:30   44.79  n/a
     [DT= 2.00)  SUM=  07:TND5     260.08   18.763 No_date    3:34   51.47  n/a
006:1147---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 07:TND5     260.08   18.763 No_date    3:34   51.47  n/a
     |RDT= 2.00] out<- 08:ND5ND6   260.08   18.464 No_date    3:38   51.47  n/a
     |L/S/n=  578./1.640/.035]
     {Vmax= 2.326:Dmax= 1.916}
006:1148---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       09:CA15      18.10    1.566 No_date    3:38   34.03 .432
     |CN= 77.0: N= 3.00]
     [Tp=  .25:DT= 2.00]
006:1149---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:UNGAS       .99     .131 No_date    3:30   42.88 .545
     [XIMP=.22:TIMP=.22]
     [LOSS= 2 :CN= 74.0]
     [Pervious     area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
006:1150---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:UNGAS       .99     .131 No_date    3:30   42.88  n/a
     [RDT= 2.00] out<- 02:UNGPND      .99     .034 No_date    4:04   42.87  n/a
    {MxStoUsed=.2071E-01}
006:1151---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:UNGPND      .99     .034 No_date    4:04   42.87  n/a
     [LAG= 16.3 min]<- 03:SHUNGS      .99     .034 No_date    4:20   42.87  n/a
006:1152---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:SHUNGS      .99     .034 No_date    4:20   42.87  n/a
                     + 09:CA15      18.10    1.566 No_date    3:38   34.03  n/a
     [DT= 2.00]  SUM=  01:T15       19.09    1.588 No_date    3:38   34.49  n/a
006:1153---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:T15       19.09    1.588 No_date    3:38   34.49  n/a
                     + 08:ND5ND6   260.08   18.464 No_date    3:38   51.47  n/a
     |DT= 2.00]  SUM=  03:TND6     279.17   20.052 No_date    3:38   50.30  n/a
006:1154---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND6     279.17   20.052 No_date    3:38   50.30  n/a
     [RDT= 2.00] out<- 02:ND6ND8   279.17   19.883 No_date    3:40   50.30  n/a
     [L/S/n=  503./1.290/.035]
     {Vmax= 3.065:Dmax= 1.597}
006:1155---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       03:CA16      30.39     .955 No_date    4:40   30.77 .391
     [CN= 74.0: N= 3.00]
     [Tp= 1.05:DT= 2.00]
006:1156---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA16      30.39     .955 No_date    4:40   30.77  n/a
     [LAG=  7.2 min]<- 04:SH16      30.39     .955 No_date    4:46   30.77  n/a
006:1157---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA17      19.13    2.109 No_date    3:32   36.16 .460
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
006:1158---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:SH16      30.39     .955 No_date    4:46   30.77  n/a
                     + 05:CA17      19.13    2.109 No_date    3:32   36.16  n/a
     |DT= 2.00]  SUM=  06:T1716     49.52    2.248 No_date    3:34   32.85  n/a
006:1159---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:ND6ND8   279.17   19.883 No_date    3:40   50.30  n/a
                     + 06:T1716     49.52    2.248 No_date    3:34   32.85  n/a
     [DT= 2.00]  SUM=  05:TND8     328.69   21.872 No_date    3:40   47.68  n/a
006:1160---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 05:TND8     328.69   21.872 No_date    3:40   47.68  n/a
     [RDT= 2.00] out<- 06:ND8ND9   328.69   21.734 No_date    3:42   47.68  n/a
     |L/S/n=  405./1.480/.045}
     |Vmax= 2.488:Dmax= 1.322}
```

```
006:1161---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:CA18      12.02      .802 No_date    3:48   35.04 .445
     [CN= 78.0: N= 3.00]
     [Tp=  .41:DT= 2.00]
006:1162---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:CA18      12.02      .802 No_date    3:48   35.04  n/a
                     + 06:ND8ND9   328.69   21.734 No_date    3:42   47.68  n/a
     [DT= 2.00]  SUM=  08:TND9     340.71   22.505 No_date    3:42   47.23  n/a
006:1163---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 08:TND9     340.71   22.505 No_date    3:42   47.23  n/a
     [RDT= 2.00] out<- 09:ND9ND1   340.71   22.344 No_date    3:44   47.23  n/a
     [L/S/n=  505./1.900/.045]
     [Vmax= 2.574:Dmax= 1.021]
006:1164---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       01:CA19       1.18      .111 No_date    3:34   31.25 .397
     [CN= 74.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
006:1165---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA20       7.54      .324 No_date    4:06   28.70 .365
     [CN= 72.0: N= 3.00]
     [Tp=  .59:DT= 2.00]
006:1166---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:CA19       1.18      .111 No_date    3:34   31.25  n/a
                     + 02:CA20       7.54      .324 No_date    4:06   28.70  n/a
     [DT= 2.00]  SUM=  03:T1920      8.72      .366 No_date    4:02   29.05  n/a
006:1167---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T1920      8.72      .366 No_date    4:02   29.05  n/a
                     + 09:ND9ND1   340.71   22.344 No_date    3:44   47.23  n/a
     [DT= 2.00]  SUM=  04:TND10    349.43   22.677 No_date    3:44   46.78  n/a
 ** END OF RUN :   6

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



RUN:COMMAND#
007:1173---------------------------------------------------------------------------
    START
     [TZERO =    .00 hrs on        0]
     [METOUT=   2    (1=imperial, 2=metric output)]
     [NSTORM=   1 ]
     [NRUN  =   7 ]
*#*****************************************************************************
*#  Project Name: [Owen Sound Drainage Study]    Project Number: [MCG 10665]
*#  Date        : 04-12-2007
*#  Modeller    : [T.Lozon]
*#  Company     : R.J. Burnside and Associates
*#  License #   :  3846413
007:1175---------------------------------------------------------------------------
    READ STORM
     Filename = STORM.001
     Comment  = TIMMINS REGIONAL STORM (12-hour)
     [SDT=60.00:SDUR=  12.00:PTOT=193.00]
007:1176---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:TRA7       1.82      .200 No_date    7:00  168.18 .871
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP= .50:LGP=  70.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI= .50:LGI= 170.:MNI=.013:SCI=    .0]
007:1177---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A8          .28      .030 No_date    7:00  162.47 .842
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  82.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  82.:MNI=.013:SCI=    .0]
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007:1178---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A8          .28      .030 No_date    7:00  162.47  n/a
 *   [RDT= 2.00] out<- 02:Pipe16      .28      .030 No_date    7:00  162.47  n/a
     [L/S/n=   15./2.000/.013]
     [Vmax= 1.443:Dmax=  .079]
     [Din=  .53:Dused=  .53]
007:1179---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe16      .28      .030 No_date    7:00  162.47  n/a
                     + 04:TRA7       1.82      .200 No_date    7:00  168.18  n/a
     [DT= 2.00]  SUM=  03:TRA8       2.10      .231 No_date    7:00  167.42  n/a
007:1180---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A9          .28      .029 No_date    7:00  139.65 .724
     [XIMP=.10:TIMP=.10]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=4.10:LGP= 100.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=4.10:LGI=  35.:MNI=.013:SCI=    .0]
007:1181---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A9          .28      .029 No_date    7:00  139.65  n/a
 *   [RDT= 2.00] out<- 05:Pipe17      .28      .029 No_date    7:00  139.65  n/a
     [L/S/n=   29./2.000/.013]
     [Vmax= 1.406:Dmax=  .077]
     [Din=  .53:Dused=  .53]
007:1182---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe17      .28      .029 No_date    7:00  139.65  n/a
                     + 03:TRA8       2.10      .231 No_date    7:00  167.42  n/a
     [DT= 2.00]  SUM=  06:TRA9       2.38      .259 No_date    7:00  164.11  n/a
007:1183---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:A10         .59      .064 No_date    7:00  162.47 .842
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  73.:MNI=.013:SCI=    .0]
007:1184---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A10         .59      .064 No_date    7:00  162.47  n/a
 *   ]RDT= 2.00] out<- 08:Pipe18      .59      .064 No_date    7:00  162.47  n/a
     [L/S/n=   60./2.000/.013]
     [Vmax= 1.816:Dmax=  .115]
     [Din=  .53:Dused=  .53]
007:1185---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe18      .59      .064 No_date    7:00  162.47  n/a
                     + 06:TRA9       2.38      .259 No_date    7:00  164.11  n/a
     [DT= 2.00]  SUM=  09:TRA10      2.97      .323 No_date    7:00  163.78  n/a
007:1186---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A11         .82      .090 No_date    7:00  162.47 .842
     [XIMP=.50:TIMP=.50]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=3.60:LGP= 150.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=3.60:LGI=  67.:MNI=.013:SCI=    .0]
007:1187---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A11         .82      .090 No_date    7:00  162.47  n/a
 *   [RDT= 2.00] out<- 02:Pipe19      .82      .090 No_date    7:00  162.47  n/a
     [L/S/n=   59./2.000/.013]
     [Vmax= 2.007:Dmax=  .136]
     [Din=  .53:Dused=  .53]
007:1188---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TRA10      2.97      .323 No_date    7:00  163.78  n/a
                     + 02:Pipe19      .82      .090 No_date    7:00  162.47  n/a
     [DT= 2.00]  SUM=  03:TRA11      3.80      .413 No_date    7:00  163.50  n/a
007:1189---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A12         .30      .031 No_date    7:00  145.36 .753
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.030:SCP=    .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  58.:MNI=.013:SCI=    .0]
007:1190---------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A12         .30      .031 No_date    7:00  145.36  n/a
 *   [RDT= 2.00] out<- 05:Pipe20      .30      .031 No_date    7:00  145.36  n/a
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```
     [L/S/n=   69./2.000/.013]
     {Vmax= 1.452:Dmax=  .080}
     [Din=  .53:Dused=  .53}
007:1191--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe20      .30     .031 No_date    7:00  145.36  n/a
                   +   03:TRA11      3.80     .413 No_date    7:00  163.50  n/a
     [DT= 2.00]  SUM=  06:TRA12      4.10     .444 No_date    7:00  162.17  n/a
007:1192--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:A13         .31     .032 No_date    7:00  151.06 .783
     [XIMP=.30:TIMP=.30]
     {LOSS= 2 :CN= 77.0}
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  68.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  68.:MNI=.013:SCI=   .0]
007:1193--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:A13         .31     .032 No_date    7:00  151.06  n/a
 *   [RDT= 2.00] out<- 08:Pipe21      .31     .032 No_date    7:00  151.06  n/a
     [L/S/n=   53./1.900/.013]
     {Vmax= 1.465:Dmax=  .083}
     [Din=  .53:Dused=  .53}
007:1194--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe21      .31     .032 No_date    7:00  151.06  n/a
                   +   06:TRA12      4.10     .444 No_date    7:00  162.17  n/a
     [DT= 2.00]  SUM=  09:TRA13      4.41     .476 No_date    7:00  161.39  n/a
007:1195--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A14         .22     .023 No_date    7:00  151.06 .783
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
007:1196--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A14         .22     .023 No_date    7:00  151.06  n/a
 *   [RDT= 2.00] out<- 02:Pipe22      .22     .023 No_date    7:00  151.06  n/a
     [L/S/n=   52./1.250/.013]
     {Vmax= 1.093:Dmax=  .074}
     [Din=  .60:Dused=  .60}
007:1197--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe22      .22     .023 No_date    7:00  151.06  n/a
                   +   09:TRA13      4.41     .476 No_date    7:00  161.39  n/a
     [DT= 2.00]  SUM=  03:TRA14      4.63     .500 No_date    7:00  160.89  n/a
007:1198--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     04:A15         .24     .025 No_date    7:00  151.06 .783
     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 77.0]
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  50.:MNI=.013:SCI=   .0]
007:1199--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:A15         .24     .025 No_date    7:00  151.06  n/a
 *   [RDT= 2.00] out<- 05:Pipe23      .24     .025 No_date    7:00  151.06  n/a
     [L/S/n=   10./ .500/.013]
     {Vmax=  .785:Dmax=  .089}
     [Din=  .75:Dused=  .75}
007:1200--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe23      .24     .025 No_date    7:00  151.06  n/a
                   +   03:TRA14      4.63     .500 No_date    7:00  160.89  n/a
     [DT= 2.00]  SUM=  06:TRA15      4.87     .524 No_date    7:00  160.41  n/a
007:1201--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:A101        3.00     .341 No_date    7:00  173.50 .899
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 150.:MNI=.013:SCI=   .0]
007:1202--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A101        3.00     .341 No_date    7:00  173.50  n/a
 *   [RDT= 2.00] out<- 02:Pipe24      3.00     .341 No_date    7:00  173.50  n/a
     [L/S/n=   60./ .750/.013]
     {Vmax= 1.971:Dmax=  .285}
     [Din=  .90:Dused=  .90}
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007:1203--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:Pipe24      3.00     .341 No_date    7:00  173.50  n/a
 *   [RDT= 2.00] out<- 03:Pipe25      3.00     .341 No_date    7:00  173.50  n/a
     [L/S/n=   36./ .400/.013]
     {Vmax= 1.580:Dmax=  .368}
     [Din=  .75:Dused=  .75}
007:1204--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:TRA15      4.87     .524 No_date    7:00  160.41  n/a
                   +   03:Pipe25      3.00     .341 No_date    7:00  173.50  n/a
     [DT= 2.00]  SUM=  04:TRA101     7.87     .866 No_date    7:00  165.40  n/a
007:1205--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:TRA101      7.87     .866 No_date    7:00  165.40  n/a
 *   [RDT= 2.00] out<- 05:Pipe26      7.87     .865 No_date    7:00  165.40  n/a
     [L/S/n=   51./ .650/.013]
     {Vmax= 2.390:Dmax=  .499}
     [Din=  .90:Dused=  .90}
007:1206--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     01:A102         .74     .087 No_date    7:00  182.25 .944
     [XIMP=.80:TIMP=.80]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP=  70.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
007:1207--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:A102         .74     .087 No_date    7:00  182.25  n/a
 *   [RDT= 2.00] out<- 02:Pipe27      .74     .087 No_date    7:00  182.25  n/a
     [L/S/n=   42./1.000/.013]
     {Vmax= 1.581:Dmax=  .186}
     [Din=  .38:Dused=  .38}
007:1208--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe26      7.87     .865 No_date    7:00  165.40  n/a
                   +   02:Pipe27      .74      .087 No_date    7:00  182.25  n/a
     [DT= 2.00]  SUM=  04:8thSTR      8.61     .952 No_date    7:00  166.85  n/a
007:1209--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:8thSTR      8.61     .952 No_date    7:00  166.85  n/a
 *   [RDT= 2.00] out<- 05:Pipe28      8.61     .952 No_date    7:00  166.85  n/a
     [L/S/n=   88./3.260/.013]
     {Vmax= 4.486:Dmax=  .363}
     [Din=  .75:Dused=  .75}
007:1210--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     06:A103        2.55     .291 No_date    7:00  173.50 .899
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 150.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI=  70.:MNI=.013:SCI=   .0]
007:1211--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:A103        2.55     .291 No_date    7:00  173.50  n/a
 *   [RDT= 2.00] out<- 07:Pipe29      2.55     .291 No_date    7:00  173.50  n/a
     [L/S/n=   65./2.800/.013]
     {Vmax= 3.066:Dmax=  .200}
     [Din=  .75:Dused=  .75}
007:1212--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:Pipe28      8.61     .952 No_date    7:00  166.85  n/a
                   +   07:Pipe29      2.55     .291 No_date    7:00  173.50  n/a
     [DT= 2.00]  SUM=  08:OSCVIb     11.16    1.243 No_date    7:00  168.37  n/a
007:1213--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:AREAB       6.03     .687 No_date    7:00  173.50 .899
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.50:LGP=  55.:MNP=.030:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI= 320.:MNI=.013:SCI=   .0]
007:1214--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREAB       6.03     .687 No_date    7:00  173.50  n/a
                   +   08:OSCVIb     11.16    1.243 No_date    7:00  168.37  n/a
     [DT= 2.00]  SUM=  01:OSCVI      17.19    1.930 No_date    7:00  170.17  n/a
007:1215--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 01:OSCVI      17.19    1.930 No_date    7:00  170.17  n/a
 *   [RDT= 2.00] out<- 02:Pipe30      17.19    1.930 No_date    7:00  170.17  n/a
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     ]L/S/n=  150./2.600/.013]
     {Vmax= 4.903:Dmax=  .534}
     [Din=  .90:Dused=  .90}
007:1216--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:HOSP       4.59     .494 No_date    7:00  156.00 .808
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=1.00:LGP= 130.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.00:LGI= 300.:MNI=.013:SCI=   .0]
007:1217--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:HOSP       4.59     .494 No_date    7:00  156.00  n/a
 *  [RDT= 2.00] out<- 04:Pipe31     4.59     .494 No_date    7:00  156.00  n/a
     [L/S/n=  118./6.000/.013]
     {Vmax= 4.589:Dmax=  .324}
     [Din=  .38:Dused=  .40}
007:1218--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 04:Pipe31     4.59     .494 No_date    7:00  156.00  n/a
 *  [RDT= 2.00] out<- 05:Pipe32     4.59     .493 No_date    7:00  156.00  n/a
     [L/S/n=   70./1.100/.013]
     {Vmax= 2.510:Dmax=  .394}
     [Din=  .60:Dused=  .60}
007:1219--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:Pipe30    17.19    1.930 No_date    7:00  170.17  n/a
                     + 05:Pipe32     4.59     .493 No_date    7:00  156.00  n/a
     [DT= 2.00)  SUM=  06:TOTHSP    21.78    2.423 No_date    7:00  167.18  n/a
007:1220--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:TOTHSP    21.78    2.423 No_date    7:00  167.18  n/a
 *  [RDT= 2.00] out<- 07:Pipe33     21.78    2.423 No_date    7:00  167.18  n/a
     [L/S/n=   60./4.300/.013]
     {Vmax= 6.274:Dmax=  .526}
     [Din=  .90:Dused=  .90}
007:1221--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:104        4.20     .479 No_date    7:00  173.50 .899
     [XIMP=.60:TIMP=.60]
     [LOSS= 2 :CN= 83.0[
     {Pervious     area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 300.:MNI=.013:SCI=   .0]
007:1222--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:Pipe33    21.78    2.423 No_date    7:00  167.18  n/a
                     + 08:104        4.20     .479 No_date    7:00  173.50  n/a
     [DT= 2.00)  SUM=  09:TOT104    25.98    2.902 No_date    7:00  168.21  n/a
007:1223--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:TOT104    25.98    2.902 No_date    7:00  168.21  n/a
 *  [RDT= 2.00] out<- 01:Pipe34     25.98    2.901 No_date    7:00  168.21  n/a
     [L/S/n=   59./1.300/.013]
     {Vmax= 4.188:Dmax=  .706}
     [Din= 1.20:Dused= 1.20}
007:1224--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:105        3.59     .392 No_date    7:00  158.19 .820
     [XIMP=.25:TIMP=.25[
     [LOSS= 2 :CN= 83.0]
     {Pervious     area: IAper=5.00:SLPP=4.00:LGP= 200.:MNP=.013:SCP=   .0]
     {Impervious   area: IAimp=2.00:SLPI=4.00:LGI= 200.:MNI=.013:SCI=   .0]
007:1225--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:105        3.59     .392 No_date    7:00  158.19  n/a
 *  [RDT= 2.00) out<- 03:Pipe35     3.59     .392 No_date    7:00  158.19  n/a
     {L/S/n=   70./ .750/.013}
     {Vmax= 2.058:Dmax=  .383}
     [Din=  .60:Dused=  .60}
007:1226--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe35     3.59     .392 No_date    7:00  158.19  n/a
 *  [RDT= 2.00] out<- 04:Pipe36     3.59     .392 No_date    7:00  158.19  n/a
     [L/S/n=  120./1.050/.013]
     {Vmax= 2.347:Dmax=  .343}
     [Din=  .60:Dused=  .60}
007:1227--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:105.2      2.44     .268 No_date    7:00  160.38 .831
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     [XIMP=.30:TIMP=.30]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=5.00:LGP= 300.:MNP=.013:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=5.00:LGI= 300.:MNI=.013:SCI=   .0]
007:1228--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:Pipe36     3.59     .392 No_date    7:00  158.19  n/a
                     + 05:105.2      2.44     .268 No_date    7:00  160.38  n/a
     [DT= 2.00)  SUM=  06:T105.2     6.03     .660 No_date    7:00  159.07  n/a
007:1229--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 06:T105.2     6.03     .660 No_date    7:00  159.07  n/a
 *  [RDT= 2.00) out<- 07:Pipe37     6.03     .660 No_date    7:00  159.07  n/a
     [L/S/n=   75./2.800/.013]
     {Vmax= 3.860:Dmax=  .350}
     [Din=  .60:Dused=  .60}
007:1230--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:Pipe37     6.03     .660 No_date    7:00  159.07  n/a
 *  [RDT= 2.00} out<- 08:Pipe38     6.03     .660 No_date    7:00  159.07  n/a
     [L/S/n=   69./2.200/.013]
     {Vmax= 3.512:Dmax=  .378}
     [Din=  .60:Dused=  .60}
007:1231--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     09:AREA A     2.34     .253 No_date    7:00  151.05 .783
     [XIMP=.01:TIMP=.10]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=8.00:LGP= 190.:MNP=.030:SCP=   .0]
     {Impervious   area: IAimp=2.00:SLPI=2.00:LGI=  10.:MNI=.013:SCI=   .0]
007:1232--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:AREA A     2.34     .253 No_date    7:00  151.05  n/a
                     + 08:Pipe38     6.03     .660 No_date    7:00  159.07  n/a
     [DT= 2.00)  SUM=  02:OSCVIA     8.37     .913 No_date    7:00  156.83  n/a
007:1233--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 02:OSCVIA     8.37     .913 No_date    7:00  156.83  n/a
 *  [RDT= 2.00) out<- 03:Pipe39     8.37     .913 No_date    7:00  156.83  n/a
     [L/S/n=   50./3.000/.013]
     {Vmax= 4.228:Dmax=  .428}
     [Din=  .60:Dused=  .60}
007:1234--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:Pipe39     8.37     .913 No_date    7:00  156.83  n/a
 *  [RDT= 2.00] out<- 04:Pipe40     8.37     .913 No_date    7:00  156.83  n/a
     {L/S/n=   30./1.000/.013}
     {Vmax= 2.813:Dmax=  .517}
     [Din=  .75:Dused=  .75}
007:1235--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:Pipe34    25.98    2.901 No_date    7:00  168.21  n/a
                     + 04:Pipe40     8.37     .913 No_date    7:00  156.83  n/a
     [DT= 2.00)  SUM=  05:16&10     34.35    3.814 No_date    7:00  165.43  n/a
007:1236--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:16&10     34.35    3.814 No_date    7:00  165.43  n/a
 *  [RDT= 2.00[ out<- 06:Pipe41     34.35    3.812 No_date    7:00  165.43  n/a
     [L/S/n=   80./ .600/.013]
     {Vmax= 3.348:Dmax=  .921}
     [Din= 1.50:Dused= 1.50}
007:1237--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
 *  CALIB STANDHYD     07:999        4.20     .426 No_date    7:00  156.00 .808
     [XIMP=.20:TIMP=.20]
     [LOSS= 2 :CN= 83.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP= 350.:MNP=.100:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=3.00:LGI=  60.:MNI=.013:SCI=   .0]
007:1238--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:999        4.20     .426 No_date    7:00  156.00  n/a
 *  [RDT= 2.00) out<- 08:Pipe42     4.20     .426 No_date    7:00  156.00  n/a
     {L/S/n=  100./3.000/.013]
     {Vmax= 3.493:Dmax=  .323}
     {Din=  .45:Dused=  .45}
007:1239--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:Pipe42     4.20     .426 No_date    7:00  156.00  n/a
                     + 06:Pipe41    34.35    3.812 No_date    7:00  165.43  n/a
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     [DT= 2.00]  SUM=  09:TRA999     38.55     4.238 No_date     7:00  164.41  n/a
007:1240--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:106         1.95      .210 No_date     7:00  156.00 .808
     {XIMP=.20:TIMP=.20}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=1.00:LGP=  50.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=1.00:LGI=  50.:MNI=.013:SCI=    .0}
007:1241--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:TRA999     38.55     4.238 No_date     7:00  164.41  n/a
                      + 01:106         1.95      .210 No_date     7:00  156.00  n/a
     [DT= 2.00]  SUM=  02:TRA106     40.50     4.448 No_date     7:00  164.00  n/a
007:1242--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL    -> 02:TRA106     40.50     4.448 No_date     7:00  164.00  n/a
     {RDT= 2.00} out<- 03:CHAN-1     40.50     4.444 No_date     7:00  164.00  n/a
     {L/S/n=  150./2.000/.035}
     {Vmax= 2.224:Dmax=  .547}
007:1243--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 03:CHAN-1     40.50     4.444 No_date     7:00  164.00  n/a
     {RDT= 2.00} out<- 04:POND1      40.50     4.416 No_date     7:02  164.00  n/a
    {MxStoUsed=.1385E+01}
007:1244--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      05:107.1       .96      .107 No_date     7:00  164.75 .854
     {XIMP=.40:TIMP=.40}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=    .0}
007:1245--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:107.1       .96      .107 No_date     7:00  164.75  n/a
 *   [RDT= 2.00] out<- 06:Pipe43       .96      .107 No_date     7:00  164.75  n/a
     [L/S/n=   43./2.400/.013]
     [Vmax= 2.301:Dmax=  .187]
     [Din=  .30:Dused=  .30]
007:1246--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:107.2       .30      .033 No_date     7:00  164.75 .854
     {XIMP=.40:TIMP=.40}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=    .0}
007:1247--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             07:107.2       .30      .033 No_date     7:00  164.75  n/a
                      + 06:Pipe43       .96      .107 No_date     7:00  164.75  n/a
     [DT= 2.00]  SUM=  08:T107.2      1.26      .140 No_date     7:00  164.75  n/a
007:1248--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:T107.2      1.26      .140 No_date     7:00  164.75  n/a
 *   [RDT= 2.00] out<- 09:Pipe44      1.26      .140 No_date     7:00  164.75  n/a
     [L/S/n=   65./2.200/.013]
     {Vmax= 2.397:Dmax=  .196}
     [Din=  .38:Dused=  .38]
007:1249--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      01:107.3       .30      .033 No_date     7:00  164.75 .854
     {XIMP=.40:TIMP=.40}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=    .0}
007:1250--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:107.3       .30      .033 No_date     7:00  164.75  n/a
                      + 09:Pipe44      1.26      .140 No_date     7:00  164.75  n/a
     [DT= 2.00]  SUM=  02:T107.3      1.56      .173 No_date     7:00  164.75  n/a
007:1251--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 02:T107.3      1.56      .173 No_date     7:00  164.75  n/a
 *   [RDT= 2.00] out<- 03:Pipe45      1.56      .173 No_date     7:00  164.75  n/a
     [L/S/n=   55./1.900/.013]
     {Vmax= 2.391:Dmax=  .209}
     [Din=  .45:Dused=  .45]
007:1252--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             03:Pipe45      1.56      .173 No_date     7:00  164.75  n/a
                      + 04:POND1      40.50     4.416 No_date     7:02  164.00  n/a
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     [DT= 2.00]  SUM=  05:16+10      42.06     4.588 No_date     7:00  164.03  n/a
007:1253--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 05:16+10      42.06     4.588 No_date     7:00  164.03  n/a
 *   [RDT= 2.00] out<- 06:Pipe46      42.06     4.587 No_date     7:00  164.03  n/a
     [L/S/n=   94./ .600/.013]
     {Vmax= 3.378:Dmax= 1.152}
     [Din= 1.20:Dused= 1.40]
007:1254--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      07:900         7.25      .825 No_date     7:00  173.50 .899
     {XIMP=.60:TIMP=.60}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=5.00:LGP= 100.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=5.00:LGI= 100.:MNI=.013:SCI=    .0}
007:1255--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 07:900         7.25      .825 No_date     7:00  173.50  n/a
     {RDT= 2.00} out<- 08:POND2       7.25      .610 No_date     7:04  173.50  n/a
    {MxStoUsed=.1230E+00}
007:1256--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 08:POND2      7.25      .610 No_date     7:04  173.50  n/a
 *   [RDT= 2.00] out<- 09:Pipe47      7.25      .609 No_date     7:06  173.50  n/a
     [L/S/n=  250./ .400/.013]
     {Vmax= 1.794:Dmax=  .540}
     [Din=  .75:Dused=  .75]
007:1257--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             09:Pipe47      7.25      .609 No_date     7:06  173.50  n/a
                      + 06:Pipe46      42.06     4.587 No_date     7:00  164.03  n/a
     [DT= 2.00]  SUM=  01:TRP2       49.31     5.190 No_date     7:00  165.42  n/a
007:1258--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      02:108         1.10      .122 No_date     7:00  164.75 .854
     {XIMP=.40:TIMP=.40}
     {LOSS= 2 :CN= 83.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP=  60.:MNP=.100:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI=  60.:MNI=.013:SCI=    .0}
007:1259--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             01:TRP2       49.31     5.190 No_date     7:00  165.42  n/a
                      + 02:108         1.10      .122 No_date     7:00  164.75  n/a
     [DT= 2.00]  SUM=  03:T108       50.41     5.312 No_date     7:00  165.41  n/a
007:1260--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 03:T108       50.41     5.312 No_date     7:00  165.41  n/a
 *   [RDT= 2.00] out<- 04:Pipe48      50.41     5.317 No_date     7:00  165.41  n/a
     [L/S/n=   60./ .580/.013]
     {Vmax= 3.460:Dmax= 1.225}
     [Din= 1.20:Dused= 1.49]
007:1261--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 04:Pipe48     50.41     5.317 No_date     7:00  165.41  n/a
 *   [RDT= 2.00] out<- 05:Pipe49      50.41     5.313 No_date     7:00  165.41  n/a
     [L/S/n=   59./ .630/.013]
     {Vmax= 3.570:Dmax= 1.206}
     [Din= 1.20:Dused= 1.47]
007:1262--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD      06:ANDPET      7.70      .720 No_date     7:00  149.91 .777
     {XIMP=.50:TIMP=.50}
     {LOSS= 2 :CN= 65.0}
     {Pervious      area: IAper=5.00:SLPP=2.00:LGP= 100.:MNP=.300:SCP=    .0}
     {Impervious    area: IAimp=2.00:SLPI=2.00:LGI= 100.:MNI=.013:SCI=    .0}
007:1263--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 06:ANDPET      7.70      .720 No_date     7:00  149.91  n/a
     {RDT= 2.00} out<- 07:ANDPND      7.70      .576 No_date     7:02  149.91  n/a
    {MxStoUsed=.8824E-01}
007:1264--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE       -> 07:ANDPND      7.70      .576 No_date     7:02  149.91  n/a
 *   [RDT= 2.00] out<- 08:Pipe50      7.70      .578 No_date     7:04  149.91  n/a
     [L/S/n=   59./ .200/.013]
     {Vmax= 1.332:Dmax=  .650}
     [Din=  .75:Dused=  .79]
007:1265--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD             05:Pipe49     50.41     5.313 No_date     7:00  165.41  n/a
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                +  08:Pipe50      7.70      .578 No_date    7:04  149.91  n/a
    [DT= 2.00]  SUM=  09:TOTAND    58.11    5.883 No_date    7:00  163.35  n/a
007:1266--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:RETRES      .90      .093 No_date    7:00  160.60 .832
     {XIMP=.63:TIMP=.63}
     {LOSS= 2 :CN= 65.0}
     {Pervious     area: IAper=5.00:SLPP=1.00:LGP=  20.:MNP=.300:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .50:LGI=  65.:MNI=.013:SCI=   .0}
007:1267--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:RETRES      .90      .093 No_date    7:00  160.60  n/a
     [RDT= 2.00] out<- 02:POND3       .90      .093 No_date    7:00  160.59  n/a
     {MxStoUsed=.9117E-02}
007:1268--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            09:TOTAND    58.11    5.883 No_date    7:00  163.35  n/a
                    +  02:POND3       .90      .093 No_date    7:00  160.59  n/a
     [DT= 2.00]  SUM=  05:TOT16     59.01    5.976 No_date    7:00  163.31  n/a
007:1269--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     06:WLMRT     20.72    2.211 No_date    7:00  170.27 .882
     {XIMP=.65:TIMP=.65}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=4.23:LGP= 130.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.08:LGI= 371.:MNI=.013:SCI=   .0}
007:1270--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:WEXT       1.58      .157 No_date    7:00  135.94 .704
     {CN= 78.0: N= 3.00}
     {Tp=  .11:DT= 2.00}
007:1271--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            06:WLMRT     20.72    2.211 No_date    7:00  170.27  n/a
                    +  07:WEXT       1.58      .157 No_date    7:00  135.94  n/a
     [DT= 2.00]  SUM=  08:TWLMRT    22.30    2.368 No_date    7:00  167.84  n/a
007:1272--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 08:TWLMRT    22.30    2.368 No_date    7:00  167.84  n/a
     [RDT= 2.00] out<- 09:WMRTPD    22.30    1.551 No_date    7:18  167.84  n/a
     {MxStoUsed=.6768E+00}
007:1273--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 09:WMRTPD    22.30    1.551 No_date    7:18  167.84  n/a
     [RDT= 2.00] out<- 01:16thST    22.30    1.550 No_date    7:18  167.84  n/a
     [L/S/n=  180./ .580/.013]
     {Vmax= 2.633:Dmax=  .676}
     {Din= 1.05:Dused= 1.05}
007:1274--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CDNT       3.62      .428 No_date    7:00  188.04 .974
     {XIMP=.95:TIMP=.95}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=3.00:LGP=  33.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=1.30:LGI= 273.:MNI=.013:SCI=   .0}
007:1275--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:TOT16     59.01    5.976 No_date    7:00  163.31  n/a
                    +  01:16thST    22.30    1.550 No_date    7:18  167.84  n/a
     [DT= 2.00]  SUM=  04:TN1       81.31    7.412 No_date    7:02  164.55  n/a
007:1276--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CDNT       3.62      .428 No_date    7:00  188.04  n/a
                    +  04:TN1       81.31    7.412 No_date    7:02  164.55  n/a
     [DT= 2.00]  SUM=  03:TND1      84.93    7.837 No_date    7:00  165.55  n/a
007:1277--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:TND1      84.93    7.837 No_date    7:00  165.55  n/a
     [RDT= 2.00] out<- 04:ND1ND2    84.93    7.832 No_date    7:00  165.55  n/a
     [L/S/n=  150./ .730/.013]
     {Vmax= 4.082:Dmax=  .994}
     {HGTH= 1.22:WDTH= 1.93}
007:1278--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA2a       4.44      .426 No_date    7:00  130.37 .676
     {CN= 77.0: N= 3.00}
     {Tp=  .19:DT= 2.00}
007:1279--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA2a       4.44      .426 No_date    7:00  130.37  n/a
     [LAG=  5.7 min]<- 06:SH2a       4.44      .426 No_date    7:04  130.37  n/a
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007:1280--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     07:CA3a       5.11      .567 No_date    7:00  169.54 .878
     {XIMP=.55:TIMP=.66}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=7.10:LGP=  28.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .40:LGI= 248.:MNI=.013:SCI=   .0}
007:1281--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 07:CA3a       5.11      .567 No_date    7:00  169.54  n/a
     [LAG=  2.5 min]<- 08:SH3a       5.11      .567 No_date    7:02  169.54  n/a
007:1282--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     09:CA3b       2.82      .323 No_date    7:00  179.75 .931
     {XIMP=.81:TIMP=.81}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=5.00:LGP=  40.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI= .80:LGI= 118.:MNI=.013:SCI=   .0}
007:1283--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     01:ANDCOM     1.10      .130 No_date    7:00  188.04 .974
     {XIMP=.95:TIMP=.95}
     {LOSS= 2 :CN= 76.0}
     {Pervious     area: IAper=5.00:SLPP=1.00:LGP=  10.:MNP=.250:SCP=   .0}
     {Impervious   area: IAimp=2.00:SLPI=2.00:LGI= 115.:MNI=.013:SCI=   .0}
007:1284--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE RESERVOIR -> 01:ANDCOM     1.10      .130 No_date    7:00  188.04  n/a
     [RDT= 2.00] out<- 02:ACPND      1.10      .130 No_date    7:00  188.04  n/a
     {MxStoUsed=.7795E-02}
007:1285--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:ND1ND2    84.93    7.832 No_date    7:00  165.55  n/a
                    +  06:SH2a       4.44      .426 No_date    7:04  130.37  n/a
     [DT= 2.00]  SUM=  03:T2a       89.37    8.254 No_date    7:00  163.81  n/a
007:1286--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T2a       89.37    8.254 No_date    7:00  163.81  n/a
                    +  08:SH3a       5.11      .567 No_date    7:02  169.54  n/a
     [DT= 2.00]  SUM=  04:T2b       94.48    8.820 No_date    7:00  164.12  n/a
007:1287--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:T2b       94.48    8.820 No_date    7:00  164.12  n/a
                    +  02:ACPND      1.10      .130 No_date    7:00  188.04  n/a
     [DT= 2.00]  SUM=  05:T2c       95.58    8.950 No_date    7:00  164.39  n/a
007:1288--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T2c       95.58    8.950 No_date    7:00  164.39  n/a
                    +  09:CA3b       2.82      .323 No_date    7:00  179.75  n/a
     [DT= 2.00]  SUM=  03:TND2      98.40    9.273 No_date    7:00  164.83  n/a
007:1289--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    03:TND2      98.40    9.273 No_date    7:00  164.83  n/a
       Major System /  04:CHAN      29.47    6.253 No_date    7:00  164.83  n/a
       Minor System \  05:PIPE      68.93    3.020 No_date    5:46  164.83  n/a
007:1290--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 05:PIPE      68.93    3.020 No_date    5:46  164.83  n/a
     [RDT= 2.00] out<- 06:N3N4P     68.93    3.020 No_date    6:30  164.83  n/a
     [L/S/n=  640./ .600/.013]
     {Vmax= 3.043:Dmax=  .985}
     {Din= 1.20:Dused= 1.20}
007:1291--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 04:CHAN      29.47    6.253 No_date    7:00  164.83  n/a
*    [RDT= 2.00] out<- 07:N2N3C     29.47    6.226 No_date    7:02  164.83  n/a
     [L/S/n=  240./ .650/.035]
     {Vmax= 1.580:Dmax=  .750}
007:1292--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA1       16.29      .850 No_date    9:06  119.38 .619
     {CN= 72.0: N= 3.00}
     {Tp= 1.37:DT= 2.00}
007:1293--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA1       16.29      .850 No_date    9:06  119.38  n/a
     [LAG= 34.4 min]<- 09:SH1       16.29      .850 No_date    9:40  119.38  n/a
007:1294--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA2b       5.16      .441 No_date    7:04  121.81 .631
     {CN= 73.0: N= 3.00}
     {Tp=  .33:DT= 2.00}
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007:1295--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 02:CA2b       5.16     .441 No_date    7:04  121.81  n/a
     [LAG= 37.7 min[<- 03:SH2b       5.16     .441 No_date    7:40  121.81  n/a
007:1296--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     04:CA4b      14.53    1.412 No_date    7:02  155.58 .806
     [XIMP=.25:TIMP=.44]
     [LOSS= 2 :CN= 76.0[
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  73.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .30:LGI= 466.:MNI=.013:SCI=   .0[
007:1297--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:MALL      13.24    1.504 No_date    7:00  183.34 .950
     [XIMP=.63:TIMP=.89]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=1.30:LGP= 120.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .20:LGI= 293.:MNI=.013:SCI=   .0[
007:1298--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    COMPUTE DUALHYD    05:MALL      13.24    1.504 No_date    7:00  183.34  n/a
       Major System /  08:CHAN       1.40     .717 No_date    7:00  183.34  n/a
       Minor System \  01:PIPE      11.84     .787 No_date    6:08  183.34  n/a
007:1299--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:N2N3C     29.47    6.226 No_date    7:02  164.83  n/a
                     + 09:SH1       16.29     .850 No_date    9:40  119.38  n/a
     [DT= 2.00[  SUM=  02:T3a       45.76    6.515 No_date    7:02  148.65  n/a
007:1300--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:T3a       45.76    6.515 No_date    7:02  148.65  n/a
                     + 03:SH2b       5.16     .441 No_date    7:40  121.81  n/a
     [DT= 2.00[  SUM=  07:T3a       50.92    6.814 No_date    7:02  145.93  n/a
007:1301--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:T3a       50.92    6.814 No_date    7:02  145.93  n/a
                     + 04:CA4b      14.53    1.412 No_date    7:02  155.58  n/a
     [DT= 2.00]  SUM=  02:T3b       65.45    8.226 No_date    7:02  148.07  n/a
007:1302--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:CHAN       1.40     .717 No_date    7:00  183.34  n/a
                     + 02:T3b       65.45    8.226 No_date    7:02  148.07  n/a
     [DT= 2.00]  SUM=  03:TND3      66.85    8.937 No_date    7:02  148.81  n/a
007:1303--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 03:TND3      66.85    8.937 No_date    7:02  148.81  n/a
*    [RDT= 2.00] out<- 07:ND3ND4    66.85    8.867 No_date    7:04  148.81  n/a
     [L/S/n=  390./ .650/.035]
     {Vmax= 1.743:Dmax=  .897}
007:1304--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     08:CA5       15.85    1.477 No_date    7:00  148.58 .770
     {XIMP=.32:TIMP=.47{
     {LOSS= 2 :CN= 69.0{
     [Pervious     area: IAper=5.00:SLPP=1.50:LGP= 103.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.40:LGI= 289.:MNI=.013:SCI=   .0]
007:1305--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 08:CA5       15.85    1.477 No_date    7:00  148.58  n/a
     [LAG=  5.9 min]<- 09:SH5       15.85    1.477 No_date    7:04  148.58  n/a
007:1306--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     02:CA6b      32.10    2.750 No_date    7:04  153.08 .793
     [XIMP=.20:TIMP=.40]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP= .70:LGP= 135.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 539.:MNI=.013:SCI=   .0]
007:1307--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:CA6b      32.10    2.750 No_date    7:04  153.08  n/a
                     + 09:SH5       15.85    1.477 No_date    7:04  148.58  n/a
     [DT= 2.00]  SUM=  08:T56ND3    47.95    4.227 No_date    7:04  151.59  n/a
007:1308--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA7        2.90     .236 No_date    7:00  135.10 .700
     [XIMP=.33:TIMP=.38[
     [LOSS= 2 :CN= 63.0]
     [Pervious     area: IAper=6.50:SLPP= .60:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .40:LGI= 130.:MNI=.013:SCI=   .0]
007:1309--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 03:CA7        2.90     .236 No_date    7:00  135.10  n/a
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     [LAG=  6.6 min]<- 04:SH7        2.90     .236 No_date    7:06  135.10  n/a
007:1310--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:CA8        8.01     .926 No_date    7:00  180.47 .935
     [XIMP=.73:TIMP=.84]
     [LOSS= 2 :CN= 76.0[
     [Pervious     area: IAper=5.00:SLPP=1.70:LGP=  60.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI=1.10:LGI=  95.:MNI=.013:SCI=   .0[
007:1311--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    SHIFT HYD       -> 05:CA8        8.01     .926 No_date    7:00  180.47  n/a
     [LAG=  2.9 min]<- 02:SH8        8.01     .926 No_date    7:02  180.47  n/a
007:1312--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA11       4.18     .412 No_date    7:00  151.99 .788
     [XIMP=.28:TIMP=.36]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=3.00:LGP=  82.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI= 270.:MNI=.013:SCI=   .0[
007:1313--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:SH7        2.90     .236 No_date    7:06  135.10  n/a
                     + 02:SH8        8.01     .926 No_date    7:02  180.47  n/a
     [DT= 2.00]  SUM=  05:T7811a     10.91    1.157 No_date    7:02  168.41  n/a
007:1314--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            05:T7811a     10.91    1.157 No_date    7:02  168.41  n/a
                     + 03:CA11       4.18     .412 No_date    7:00  151.99  n/a
     [DT= 2.00]  SUM=  04:T7811b     15.09    1.567 No_date    7:02  163.86  n/a
007:1315--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:T56ND3     47.95    4.227 No_date    7:04  151.59  n/a
                     + 04:T7811b     15.09    1.567 No_date    7:02  163.86  n/a
     [DT= 2.00]  SUM=  05:T7811      63.04    5.775 No_date    7:02  154.53  n/a
007:1316--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:ND3ND4     66.85    8.867 No_date    7:04  148.81  n/a
                     + 05:T7811      63.04    5.775 No_date    7:02  154.53  n/a
     [DT= 2.00]  SUM=  02:T56781    129.89   14.603 No_date    7:02  151.59  n/a
007:1317--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     03:CA3c       1.14     .121 No_date    7:00  160.68 .833
     [XIMP=.45:TIMP=.50]
     [LOSS= 2 :CN= 76.0{
     [Pervious     area: IAper=5.00:SLPP=2.00:LGP=  50.:MNP=.250:SCP=   .0{
     [Impervious   area: IAimp=2.00:SLPI=2.50:LGI=  80.:MNI=.013:SCI=   .0[
007:1318--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 03:CA3c       1.14     .121 No_date    7:00  160.68  n/a
     [RDT= 2.00] out<- 04:3cPIPE     1.14     .121 No_date    7:00  160.68  n/a
     [L/S/n=  240./ .200/.013[
     {Vmax=  .941:Dmax=  .279}
     [Din=  .60:Dused=  .60}
007:1319--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB STANDHYD     05:CA4a       1.86     .214 No_date    7:00  178.52 .925
     [XIMP=.75:TIMP=.80]
     [LOSS= 2 :CN= 76.0]
     [Pervious     area: IAper=5.00:SLPP=2.10:LGP=  24.:MNP=.250:SCP=   .0]
     [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  69.:MNI=.013:SCI=   .0]
007:1320--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:PIPE      11.84     .787 No_date    6:08  183.34  n/a
                     + 05:CA4a       1.86     .214 No_date    7:00  178.52  n/a
     [DT= 2.00]  SUM=  08:TMLL4a     13.70    1.001 No_date    7:00  182.69  n/a
007:1321--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            08:TMLL4a     13.70    1.001 No_date    7:00  182.69  n/a
                     + 04:3cPIPE     1.14     .121 No_date    7:00  160.68  n/a
     [DT= 2.00]  SUM=  07:TMLL3c     14.84    1.122 No_date    7:00  181.00  n/a
007:1322--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE PIPE      -> 07:TMLL3c     14.84    1.122 No_date    7:00  181.00  n/a
     [RDT= 2.00[ out<- 09:ML3CN4     14.84    1.121 No_date    7:00  181.00  n/a
     [L/S/n=  405./ .600/.013[
     {Vmax= 2.114:Dmax=  .273}
     {HGTH= 1.22:WDTH= 1.93}
007:1323--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       08:CA6a       3.04     .276 No_date    7:02  124.80 .647
     [CN= 74.0: N= 3.00]
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     [Tp=  .23:DT= 2.00]
007:1324--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             08:CA6a       3.04      .276 No_date    7:02  124.80  n/a
                       + 09:ML3CN4     14.84    1.121 No_date    7:00  181.00  n/a
      [DT= 2.00]  SUM=  01:ML436a     17.88    1.396 No_date    7:00  171.44  n/a
007:1325--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             02:T56781   129.89   14.603 No_date    7:02  151.59  n/a
                       + 01:ML436a     17.88    1.396 No_date    7:00  171.44  n/a
      [DT= 2.00]  SUM=  03:ML436b   147.77   15.992 No_date    7:02  153.99  n/a
007:1326--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             06:N3N4P      68.93    3.020 No_date    6:30  164.83  n/a
                       + 03:ML436b   147.77   15.992 No_date    7:02  153.99  n/a
      [DT= 2.00]  SUM=  04:TND4     216.70   19.012 No_date    7:02  157.44  n/a
007:1327--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL    -> 04:TND4     216.70   19.012 No_date    7:02  157.44  n/a
      [RDT= 2.00] out<- 02:ND4ND5   216.70   18.835 No_date    7:04  157.44  n/a
      [L/S/n=  697./ .650/.035]
      [Vmax= 2.738:Dmax= 2.229]
007:1328--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      03:MLLRE       1.26      .143 No_date    7:00  174.14 .902
      [XIMP=.60:TIMP=.74]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=1.90:LGP=  26.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .70:LGI=  73.:MNI=.013:SCI=   .0]
007:1329--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 03:MLLRE       1.26      .143 No_date    7:00  174.14  n/a
      [RDT= 2.00] out<- 04:MLLRCE      1.26      .106 No_date    7:06  174.14  n/a
     {MxStoUsed=.2143E-01}
007:1330--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 04:MLLRCE      1.26      .106 No_date    7:06  174.14  n/a
      [LAG= 18.8 min]<- 05:SHMLRE      1.26      .106 No_date    7:24  174.14  n/a
007:1331--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      06:MLLRW       1.73      .203 No_date    7:00  184.36 .955
      [XIMP=.82:TIMP=.90]
      [LOSS= 2 :CN= 76.0]
      [Pervious     area: IAper=5.00:SLPP=1.35:LGP=  37.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .42:LGI= 120.:MNI=.013:SCI=   .0]
007:1332--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 06:MLLRW       1.73      .203 No_date    7:00  184.36  n/a
      [RDT= 2.00] out<- 07:MLLRCW      1.73      .185 No_date    7:04  184.36  n/a
     {MxStoUsed=.2358E-01}
007:1333--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 07:MLLRCW      1.73      .185 No_date    7:04  184.36  n/a
      [LAG= 13.4 min[<- 08:SHMLRW      1.73      .185 No_date    7:16  184.36  n/a
007:1334--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      09:CA9         7.85      .774 No_date    7:00  155.85 .808
      [XIMP=.42:TIMP=.43]
      [LOSS= 2 :CN= 75.0]
      [Pervious     area: IAper=5.00:SLPP=1.60:LGP=  96.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.70:LGI= 207.:MNI=.013:SCI=   .0]
007:1335--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             08:TOTMLR      1.73      .185 No_date    7:16  184.36  n/a
                       + 05:SHMLRE      1.26      .106 No_date    7:24  174.14  n/a
      [DT= 2.00]  SUM=  08:TOTMLR      2.99      .288 No_date    7:18  180.05  n/a
007:1336--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             09:CA9         7.85      .774 No_date    7:00  155.85  n/a
                       + 08:TOTMLR      2.99      .288 No_date    7:18  180.05  n/a
      [DT= 2.00]  SUM=  03:T9MLR     10.84    1.041 No_date    7:00  162.53  n/a
007:1337--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 03:T9MLR      10.84    1.041 No_date    7:00  162.53  n/a
      [LAG= 19.3 min]<- 04:CA9        10.84    1.041 No_date    7:18  162.53  n/a
007:1338--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD        05:CA10      17.87    1.712 No_date    7:00  130.10 .674
      [CN= 77.0: N= 3.00]
      [Tp=  .19:DT= 2.00]
007:1339--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      06:CA13        7.15      .686 No_date    7:00  158.97 .824
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      [XIMP=.44:TIMP=.54]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI= .60:LGI=  80.:MNI=.013:SCI=   .0]
007:1340--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      07:CA14        7.52      .651 No_date    7:00  147.43 .764
      [XIMP=.32:TIMP=.35]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=8.00:SLPP=1.10:LGP= 175.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.80:LGI= 111.:MNI=.013:SCI=   .0]
007:1341--------------1D:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             05:CA10      17.87    1.712 No_date    7:00  130.10  n/a
                       + 06:CA13        7.15      .686 No_date    7:00  158.97  n/a
      [DT= 2.00]  SUM=  08:T1013     25.02    2.397 No_date    7:00  138.35  n/a
007:1342--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             08:T1013     25.02    2.397 No_date    7:00  138.35  n/a
                       + 04:CA9        10.84    1.041 No_date    7:18  162.53  n/a
      [DT= 2.00]  SUM=  03:T14       35.86    3.350 No_date    7:00  145.66  n/a
007:1343--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             03:T14       35.86    3.350 No_date    7:00  145.66  n/a
                       + 07:CA14        7.52      .651 No_date    7:00  147.43  n/a
      [DT= 2.00]  SUM=  04:T91013    43.38    4.002 No_date    7:00  145.97  n/a
007:1344--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             02:ND4ND5    216.70   18.835 No_date    7:04  157.44  n/a
                       + 04:T91013    43.38    4.002 No_date    7:00  145.97  n/a
      [DT= 2.00]  SUM=  07:TND5      260.08   22.688 No_date    7:02  155.52  n/a
007:1345--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL    -> 07:TND5     260.08   22.688 No_date    7:02  155.52  n/a
      [RDT= 2.00] out<- 08:ND5ND6    260.08   22.570 No_date    7:06  155.52  n/a
      [L/S/n=  578./1.640/.035]
      {Vmax= 2.472:Dmax= 2.048}
007:1346--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD        09:CA15      18.10    1.712 No_date    7:02  131.10 .679
      [CN= 77.0: N= 3.00]
      [Tp=  .25:DT= 2.00]
007:1347--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB STANDHYD      01:UNGAS        .99      .098 No_date    7:00  141.46 .733
      [XIMP=.22:TIMP=.22]
      [LOSS= 2 :CN= 74.0]
      [Pervious     area: IAper=5.00:SLPP=3.30:LGP=  15.:MNP=.250:SCP=   .0]
      [Impervious   area: IAimp=2.00:SLPI=1.20:LGI=  90.:MNI=.013:SCI=   .0]
007:1348--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE RESERVOIR -> 01:UNGAS        .99      .098 No_date    7:00  141.46  n/a
      [RDT= 2.00] out<- 02:UNGPND       .99      .050 No_date    9:04  141.45  n/a
     {MxStoUsed=.3454E-01}
007:1349--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 02:UNGPND       .99      .050 No_date    9:04  141.45  n/a
      [LAG= 16.3 min]<- 03:SHUNGS       .99      .050 No_date    9:20  141.45  n/a
007:1350--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             03:SHUNGS        .99      .050 No_date    9:20  141.45  n/a
                       + 09:CA15      18.10    1.712 No_date    7:02  131.10  n/a
      [DT= 2.00]  SUM=  01:T15       19.09    1.750 No_date    7:02  131.64  n/a
007:1351--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ADD HYD             01:T15       19.09    1.750 No_date    7:02  131.64  n/a
                       + 08:ND5ND6    260.08   22.570 No_date    7:06  155.52  n/a
      [DT= 2.00]  SUM=  03:TND6      279.17   24.302 No_date    7:04  153.89  n/a
007:1352--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     ROUTE CHANNEL    -> 03:TND6     279.17   24.302 No_date    7:04  153.89  n/a
      [RDT= 2.00] out<- 02:ND6ND8    279.17   24.241 No_date    7:06  153.89  n/a
      [L/S/n=  503./1.290/.035]
      {Vmax= 3.189:Dmax= 1.752}
007:1353--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     CALIB NASHYD        03:CA16      30.39    1.800 No_date    7:54  124.17 .643
      [CN= 74.0: N= 3.00]
      [Tp= 1.05:DT= 2.00]
007:1354--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
     SHIFT HYD        -> 03:CA16      30.39    1.800 No_date    7:54  124.17  n/a
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     [LAG=  7.2 min]<- 04:SH16      30.39    1.800 No_date    8:00  124.17  n/a
 007:1355--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       05:CA17      19.13    1.902 No_date    7:00  135.53 .702
     [CN= 79.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
 007:1356--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            04:SH16      30.39    1.800 No_date    8:00  124.17  n/a
                   +   05:CA17      19.13    1.902 No_date    7:00  135.53  n/a
     [DT= 2.00]  SUM=  06:T1716     49.52    3.116 No_date    7:02  128.56  n/a
 007:1357--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            02:ND6ND8   279.17   24.241 No_date    7:06  153.89  n/a
                   +   06:T1716     49.52    3.116 No_date    7:02  128.56  n/a
     [DT= 2.00]  SUM=  05:TND8     328.69   27.299 No_date    7:06  150.07  n/a
 007:1358--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 05:TND8     328.69   27.299 No_date    7:06  150.07  n/a
     [RDT= 2.00] out<- 06:ND8ND9   328.69   27.239 No_date    7:08  150.07  n/a
     [L/S/n=  405./1.480/.045]
     [Vmax= 2.631:Dmax= 1.467]
 007:1359--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       07:CA18      12.02    1.074 No_date    7:06  133.26 .690
     [CN= 78.0: N= 3.00]
     [Tp=  .41:DT= 2.00]
 007:1360--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            07:CA18      12.02    1.074 No_date    7:06  133.26  n/a
                   +   06:ND8ND9   328.69   27.239 No_date    7:08  150.07  n/a
     [DT= 2.00]  SUM=  08:TND9     340.71   28.312 No_date    7:08  149.48  n/a
 007:1361--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ROUTE CHANNEL   -> 08:TND9     340.71   28.312 No_date    7:08  149.48  n/a
     [RDT= 2.00] out<- 09:ND9ND1   340.71   28.256 No_date    7:10  149.48  n/a
     [L/S/n=  505./1.900/.045]
     [Vmax= 2.776:Dmax= 1.137]
 007:1362--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       01:CA19       1.18     .109 No_date    7:00  124.80 .647
     [CN= 74.0: N= 3.00]
     [Tp=  .17:DT= 2.00]
 007:1363--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    CALIB NASHYD       02:CA20       7.54     .542 No_date    7:16  119.55 .619
     [CN= 72.0: N= 3.00]
     [Tp=  .59:DT= 2.00]
 007:1364--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            01:CA19       1.18     .109 No_date    7:00  124.80  n/a
                   +   02:CA20       7.54     .542 No_date    7:16  119.55  n/a
     [DT= 2.00]  SUM=  03:T1920      8.72     .625 No_date    7:08  120.26  n/a
 007:1365--------------ID:NHYD-------AREA----QPEAK-TpeakDate_hh:mm----R.V.-R.C.-
    ADD HYD            03:T1920      8.72     .625 No_date    7:08  120.26  n/a
                   +   09:ND9ND1   340.71   28.256 No_date    7:10  149.48  n/a
     [DT= 2.00]  SUM=  04:TND10    349.43   28.880 No_date    7:10  148.75  n/a
 007:1372--------------------------------------------------------------------------
     FINISH
-------------------------------------------------------------------------------
*******************************************************************************
     WARNINGS / ERRORS / NOTES
     -------------------------
 0005 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0007 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
      *** WARNING: For areas with impervious ratios below
                   20%, this routine may not be applicable.
 0008 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0011 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
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 0014 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0016 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
 0017 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0020 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0023 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0026 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0029 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0030 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0032 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0033 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
 0034 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0036 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0037 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
 0038 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0042 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0044 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0045 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0047 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0050 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0052 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0053 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0056 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 0057 ROUTE PIPE      ->
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     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0058 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0060 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0061 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0063 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0064 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0065 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0072 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0075 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0078 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0080 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0083 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0087 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0088 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0091 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0118 ROUTE CHANNEL   ->
     *** WARNING: Inflow hydrograph is dry!  Routing aborted!
0198 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0200 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0201 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0203 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0204 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0206 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
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                  Use a smaller DT or a larger area.
0207 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0209 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0210 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0213 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0215 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0216 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0218 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0219 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0222 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0223 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0225 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0226 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0227 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0229 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0230 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0231 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0235 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0237 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0238 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0240 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0243 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0245 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
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0246 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0249 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0250 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0251 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0253 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0254 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0256 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0257 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0258 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0265 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0268 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0271 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0273 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0276 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0280 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0281 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0284 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0287 ROUTE RESERVOIR
     *** WARNING: Inflow peak was not reduced!
                  Check OUTFLOW/STORAGE table or reduce DT.
0392 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0394 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0395 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
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0397 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0398 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0400 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0401 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0403 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0404 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0407 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0409 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0410 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0412 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0413 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0416 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0417 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0419 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0420 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0421 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0423 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0424 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0425 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0429 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0431 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0432 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0434 ROUTE PIPE      ->
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     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0437 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0439 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0440 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0443 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0444 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0445 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0447 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0448 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0450 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0451 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0452 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0458 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0459 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0460 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0462 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0463 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0465 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0467 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0468 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0470 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0472 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
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0474 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0475 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0478 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0481 ROUTE RESERVOIR
     *** WARNING: Inflow peak was not reduced!
                  Check OUTFLOW/STORAGE table or reduce DT.
0587 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0589 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0590 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0592 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0593 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0595 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0596 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0598 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0599 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0601 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0602 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0604 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0605 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0607 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0608 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0611 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0612 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0614 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
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                Routing DT set to inflow hydrograph DT.
0615 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0616 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0618 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0619 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0620 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0624 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0626 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0627 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0629 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0632 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0634 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0635 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0638 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0639 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0640 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0642 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0643 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0645 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0646 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0647 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0649 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
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0653 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0654 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0655 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0657 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0658 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0660 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0662 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0663 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0665 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0667 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0669 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0670 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0673 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0783 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0785 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0786 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0788 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0789 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0791 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0792 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0794 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0795 ROUTE PIPE      ->
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     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0797 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0798 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0800 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0801 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0803 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0804 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0807 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0808 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0810 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0811 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0812 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0814 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0815 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0816 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0820 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0822 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0823 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0825 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0828 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0830 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0831 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0834 ROUTE PIPE      ->
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     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0835 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0836 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0838 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0839 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0841 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0842 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0843 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0845 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0849 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0850 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0851 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0853 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0854 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0856 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0858 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0859 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0861 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0863 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0865 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0866 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0869 ROUTE PIPE      ->
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     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0922 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0980 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0982 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
0983 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0985 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0986 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0988 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0989 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0991 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0992 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0994 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0995 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
0997 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
0998 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1000 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1001 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1004 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1005 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1007 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1008 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1009 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
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                  Routing DT set to inflow hydrograph DT.
1011 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1012 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1013 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1017 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1019 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1020 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1022 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1025 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1027 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1028 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1031 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1032 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1033 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
1035 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1036 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1038 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1039 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1040 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
```

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1042 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1046 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1047 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1048 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1050 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1051 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1053 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1055 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1056 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1058 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1060 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1062 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1063 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1066 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1119 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1178 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1180 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
     *** WARNING: For areas with impervious ratios below
                  20%, this routine may not be applicable.
1181 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1184 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1186 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1187 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
```



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1189 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1190 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1193 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1195 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1196 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1198 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1199 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1202 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1203 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1205 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1206 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1207 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1209 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1210 CALIB STANDHYD
     *** WARNING: Storage Coefficient is smaller than DT!
                  Use a smaller DT or a larger area.
1211 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1215 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1217 ROUTE PIPE      ->
     *** WARNING: New pipe size used for routing.
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1218 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1220 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1223 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1225 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
1226 ROUTE PIPE      ->
     *** WARNING: Requested routing DT > than inflow DT.
                  Routing DT set to inflow hydrograph DT.
```

```
 1229 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1230 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1231 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
      *** WARNING: For areas with impervious ratios below
                   20%, this routine may not be applicable.
 1233 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1234 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1236 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1237 CALIB STANDHYD
      *** WARNING: Storage Coefficient is smaller than DT!
                   Use a smaller DT or a larger area.
 1238 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1245 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1248 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1251 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1253 ROUTE PIPE      ->
      *** WARNING: New pipe size used for routing.
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1256 ROUTE PIPE      ->
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1260 ROUTE PIPE      ->
      *** WARNING: New pipe size used for routing.
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1261 ROUTE PIPE      ->
      *** WARNING: New pipe size used for routing.
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
 1264 ROUTE PIPE      ->
      *** WARNING: New pipe size used for routing.
      *** WARNING: Requested routing DT > than inflow DT.
                   Routing DT set to inflow hydrograph DT.
   Simulation ended on 2007-06-12     at 16:18:54
================================================================================
```