Summary of Critical Results by Maximum Level (Rank 1) for 10721 SWNET.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FEH
FEH Rainfall Version	2013
Site Location	GB 522045 105170 TQ 22045 05170
Data Type	Point
Cv (Summer)	1.000
Cv (Winter)	1.000

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
Analysis Timestep	Fine	Inertia Status	ON
DTS Status	ON		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 40, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.000	IC1	960 Winter	100	+40%	30/15 Summer			
1.001	IC2	960 Winter	100	+40%	30/15 Summer	100/600 Summer		
2.000	IC3	1440 Winter	100	+40%	100/600 Summer			
2.001	IC4	1440 Summer	100	+40%	100/15 Summer			
1.002	5	1440 Summer	100	+40%	30/15 Summer	100/1440 Summer		
3.000	IC6	1440 Winter	100	+40%	30/120 Summer	30/1440 Winter		
3.001	IC7	1440 Winter	100	+40%	30/15 Summer	30/1440 Winter		
4.000	IC8	1440 Winter	100	+40%	30/15 Summer	100/15 Summer		
4.001	IC9	1440 Winter	100	+40%	30/15 Summer	100/720 Summer		
5.000	IC10	1440 Winter	100	+40%	30/15 Summer	30/15 Summer		
4.002	IC11	15 Summer	100	+40%	30/15 Summer	100/15 Summer		
1.003	12	1440 Winter	100	+40%	2/120 Summer	30/1440 Winter		
6.000	IC13	15 Summer	100	+40%	30/15 Summer	100/15 Summer		
6.001	IC14	120 Summer	100	+40%	30/15 Summer			
7.000	AC15	1440 Winter	100	+40%	30/15 Summer	30/15 Summer		
1.004	16	120 Summer	100	+40%	2/15 Summer	2/5760 Summer		

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PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	IC1	3.558	0.558	0.000	0.16		6.1	FLOOD RISK	
1.001	IC2	3.556	0.770	5.683	0.20		7.3	FLOOD	9
2.000	IC3	3.557	0.107	0.000	0.03		0.6	FLOOD RISK	
2.001	IC4	3.559	0.420	0.000	0.06		1.7	FLOOD RISK	
1.002	5	3.569	0.898	0.086	0.26		9.3	FLOOD	
3.000	IC6	3.552	0.927	2.446	0.02		1.1	FLOOD	9
3.001	IC7	3.552	1.272	2.448	0.06		2.2	FLOOD	9
4.000	IC8	3.552	0.352	2.229	0.03		0.6	FLOOD	9
4.001	IC9	3.553	0.487	2.683	0.03		1.2	FLOOD	6
5.000	IC10	3.553	0.553	3.493	0.03		0.7	FLOOD	13
4.002	IC11	3.650	1.016	0.013	1.59		95.7	FLOOD	1
1.003	12	3.552	1.542	2.415	0.02		2.3	FLOOD	9
6.000	IC13	3.800	0.550	0.040	1.52		25.9	FLOOD	1
6.001	IC14	3.647	0.690	0.000	0.73		11.4	FLOOD RISK	
7.000	AC15	3.552	0.602	1.954	0.10		0.9	FLOOD	19
1.004	16	3.552	1.879	1.958	0.15		1.8	FLOOD	32

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