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Designed by WillGarrett

File 16153 - All Networks_RECOVER...

Checked by

Innovyze

Network 2018.1

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm

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 Coefficient 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 Offline Controls 0 Number of Time/Area Diagrams 0
 Number of Online Controls 6 Number of Storage Structures 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR M5-60 (mm) 20.000 Cv (Summer) 0.750
 Region England and Wales Ratio R 0.405 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0
 Analysis Timestep 2.5 Second Increment (Extended)
 DTS Status ON
 DVD Status OFF
 Inertia Status OFF

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440
 Return Period(s) (years) 100
 Climate Change (%) 0

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water	Surcharged
									Level (m)	Depth (m)
S1.000	S1	120 Winter	100	+0%					91.562	-0.838
S1.001	S2	120 Winter	100	+0%					91.562	-0.573
S2.000	S3	15 Winter	100	+0%	100/15 Summer				91.533	0.483
S2.001	S4	15 Winter	100	+0%	100/15 Summer				91.048	0.398
S1.002	S2	480 Winter	100	+0%					91.034	-0.466
S1.003	S4	480 Winter	100	+0%					90.921	-0.494
S1.004	S3	960 Winter	100	+0%					90.518	-0.624
S1.005	S6	1440 Winter	100	+0%					90.279	-0.545
S1.006	S4	1440 Winter	100	+0%	100/60 Summer				90.137	0.687

PN	US/MH Name	Flooded		Pipe		Level Exceeded
		Volume (m ³)	Flow / Cap. (l/s)	Flow (l/s)	Status	
S1.000	S1	0.000	0.00	11.6	OK	
S1.001	S2	0.000	0.00	3.9	OK	
S2.000	S3	0.000	1.13	30.9	SURCHARGED	
S2.001	S4	0.000	1.62	29.6	SURCHARGED	
S1.002	S2	0.000	0.00	7.1	OK	
S1.003	S4	0.000	0.00	3.5	OK	
S1.004	S3	0.000	0.00	3.1	OK	
S1.005	S6	0.000	0.00	2.6	OK	
S1.006	S4	0.000	0.02	1.0	SURCHARGED	