



Date 29/09/2021 09:25

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 16153
NET 3 SWS.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 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 4 Number of Storage Structures 1 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 Level (m)	Surcharged Depth (m)
S1.000	S21	15 Winter	100	+0%	100/15 Summer				86.307	0.128
S1.001	S22	15 Winter	100	+0%	100/15 Summer				86.254	0.152
S1.002	S23	1440 Winter	100	+0%	100/15 Summer				86.098	0.151
S2.000	S1	15 Winter	100	+0%	100/15 Summer				87.569	0.318
S2.001	S2	15 Winter	100	+0%	100/15 Summer				87.491	0.392
S2.002	S3	15 Winter	100	+0%	100/15 Summer				87.402	0.652
S2.003	S4	15 Winter	100	+0%	100/15 Summer				87.353	0.640
S2.004	S5	15 Winter	100	+0%	100/15 Summer				87.260	0.563
S3.000	S7	15 Winter	100	+0%					87.867	-0.008
S3.001	S8	15 Winter	100	+0%	100/15 Summer				87.733	0.258
S3.002	S9	15 Winter	100	+0%	100/15 Summer				87.280	0.444
S3.003	S8	15 Winter	100	+0%	100/15 Summer				87.196	0.460
S2.005	S13	15 Winter	100	+0%	100/15 Summer				87.015	0.469
S2.006	S14	15 Winter	100	+0%	100/15 Summer				86.945	0.485
S4.000	SSwale 1	15 Winter	100	+0%					88.375	-0.525
S4.001	S10	15 Winter	100	+0%	100/15 Summer				88.094	0.494
S4.002	S9	15 Winter	100	+0%	100/15 Summer				88.181	0.698
S2.007	S10	15 Winter	100	+0%	100/15 Summer				86.894	0.474
S5.000	S16	15 Winter	100	+0%	100/15 Summer				87.903	0.508
S5.001	S17	15 Winter	100	+0%	100/15 Summer				87.775	0.588
S5.002	S18	15 Winter	100	+0%	100/15 Summer				87.589	0.575
S5.003	S19	480 Winter	100	+0%	100/15 Summer				87.434	0.553
S5.004	SSwale 2	480 Winter	100	+0%					87.432	-0.868
S5.005	S13	480 Winter	100	+0%	100/15 Summer				87.432	0.818
S2.008	S14	15 Winter	100	+0%	100/15 Summer				86.764	0.378
S2.009	S15	15 Winter	100	+0%	100/15 Summer				86.629	0.270
S6.000	S24	15 Winter	100	+0%	100/15 Summer				86.573	0.451
S2.010	SBasin	15 Winter	100	+0%	100/15 Summer				86.424	0.167
S2.011	S17	1440 Winter	100	+0%	100/15 Summer				86.412	0.723



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PN	US/MH Name	Flooded		Pipe		Status	Level Exceeded
		Volume (m ³)	Flow / Cap.	Overflow (1/s)	Flow (1/s)		
S1.000	S21	0.000	0.84		30.3	SURCHARGED	
S1.001	S22	0.000	1.11		48.3	SURCHARGED	
S1.002	S23	0.000	0.08		2.8	SURCHARGED	
S2.000	S1	0.000	0.85		51.1	SURCHARGED	
S2.001	S2	0.000	0.53		79.9	SURCHARGED	
S2.002	S3	0.000	1.17		101.4	SURCHARGED	
S2.003	S4	0.000	1.58		121.8	SURCHARGED	
S2.004	S5	0.000	1.29		136.5	SURCHARGED	
S3.000	S7	0.000	0.65		47.6	OK	
S3.001	S8	0.000	0.98		67.0	SURCHARGED	
S3.002	S9	0.000	1.09		82.8	SURCHARGED	
S3.003	S8	0.000	1.16		94.9	SURCHARGED	
S2.005	S13	0.000	0.91		239.6	SURCHARGED	
S2.006	S14	0.000	1.24		258.4	SURCHARGED	
S4.000	SSwale 1	0.000	0.02		33.6	OK	
S4.001	S10	0.000	0.42		17.0	SURCHARGED	
S4.002	S9	0.000	1.22		84.0	SURCHARGED	
S2.007	S10	0.000	1.87		359.2	SURCHARGED	
S5.000	S16	0.000	0.78		36.4	SURCHARGED	
S5.001	S17	0.000	1.02		50.5	SURCHARGED	
S5.002	S18	0.000	1.61		59.1	SURCHARGED	
S5.003	S19	0.000	0.24		8.3	SURCHARGED	
S5.004	SSwale 2	0.000	0.00		11.7	OK	
S5.005	S13	0.000	0.02		1.2	SURCHARGED	
S2.008	S14	0.000	2.22		365.2	SURCHARGED	
S2.009	S15	0.000	1.37		367.7	SURCHARGED	
S6.000	S24	0.000	1.09		84.2	SURCHARGED	
S2.010	SBasin	0.000	1.58		430.3	SURCHARGED	
S2.011	S17	0.000	0.43		4.0	SURCHARGED	

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PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S2.012	S30	1440 Winter	100	+0%	100/120 Winter				86.103
S1.003	SSwale 3	1440 Winter	100	+0%					86.098
S1.004	S31	1440 Winter	100	+0%	100/15 Summer				86.098

PN	US/MH Name	Surcharged		Flooded		Pipe		Level Exceeded
		Depth (m)	Volume (m ³)	Flow / Cap. (l/s)	Overflow (l/s)	Flow (l/s)	Status	
S2.012	S30	0.274	0.000	0.07		4.0	SURCHARGED	
S1.003	SSwale 3	-0.747	0.000	0.00		8.9	OK	
S1.004	S31	0.570	0.000	0.13		4.0	SURCHARGED	