STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for SW-NET1.SWS

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	2	Add Flow / Climate Change (%)	0
M5-60 (mm)	19.400	Minimum Backdrop Height (m)	0.000
Ratio R	0.400	Maximum Backdrop Height (m)	0.000
Maximum Rainfall (mm/hr)	50	Min Design Depth for Optimisation (m)	1.200
Maximum Time of Concentration (mins)	30	Min Vel for Auto Design only (m/s)	1.00
Foul Sewage (l/s/ha)	0.000	Min Slope for Optimisation (1:X)	500
Volumetric Runoff Coeff.	0.750		

Designed with Level Soffits

Network Design Table for SW-NET1.SWS

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
1.000	17.408	0.035	497.4	0.042	5.00	0.0	0.600	o	225	
1.001	20.075	0.040	501.9	0.024	0.00	0.0	0.600	o	225	
1.002	23.735	0.047	505.0	0.000	0.00	0.0	0.600	o	225	
1.003	19.455	0.039	498.8	0.034	0.00	0.0	0.600	o	225	
1.004	10.715	0.021	510.2	0.030	0.00	0.0	0.600	o	225	
1.005	10.857	0.022	493.5	0.000	0.00	0.0	0.600	o	225	
1.006	14.248	0.028	508.9	0.000	0.00	0.0	0.600	o	225	
1.007	45.704	0.091	502.2	0.125	0.00	0.0	0.600	o	225	
2.000	5.373	0.036	149.3	0.049	5.00	0.0	0.600	o	225	
1.008	27.879	0.056	497.8	0.097	0.00	0.0	0.600	o	225	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	5.50	46.940	0.042	0.0	0.0	0.0	0.58	23.0	5.7
1.001	50.00	6.08	46.905	0.066	0.0	0.0	0.0	0.58	22.9	8.9
1.002	50.00	6.77	46.865	0.066	0.0	0.0	0.0	0.58	22.9	8.9
1.003	50.00	7.33	46.818	0.100	0.0	0.0	0.0	0.58	23.0	13.5
1.004	50.00	7.64	46.779	0.130	0.0	0.0	0.0	0.57	22.7	17.6
1.005	50.00	7.95	46.758	0.130	0.0	0.0	0.0	0.58	23.1	17.6
1.006	50.00	8.37	46.736	0.130	0.0	0.0	0.0	0.57	22.8	17.6
1.007	49.56	9.69	46.708	0.255	0.0	0.0	0.0	0.58	22.9«	34.2
2.000	50.00	5.08	46.653	0.049	0.0	0.0	0.0	1.07	42.5	6.6
1.008	47.50	10.49	46.617	0.401	0.0	0.0	0.0	0.58	23.0«	51.6

Network Design Table for SW-NET1.SWS

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
3.000	9.614	0.064	150.2	0.041	5.00	0.0	0.600	o	225	
1.009	40.627	0.081	501.6	0.054	0.00	0.0	0.600	o	225	
4.000	3.253	0.022	147.9	0.042	5.00	0.0	0.600	o	225	
1.010	9.382	0.019	493.8	0.009	0.00	0.0	0.600	o	225	
1.011	41.136	0.082	501.7	0.017	0.00	0.0	0.600	o	225	
5.000	14.663	0.029	505.6	0.044	5.00	0.0	0.600	o	225	
5.001	45.014	0.090	500.2	0.072	0.00	0.0	0.600	o	225	
5.002	38.357	0.077	498.1	0.087	0.00	0.0	0.600	o	225	
5.003	34.246	0.068	503.6	0.061	0.00	0.0	0.600	o	225	
6.000	6.004	0.040	150.1	0.075	5.00	0.0	0.600	o	225	
5.004	21.765	0.044	500.0	0.040	0.00	0.0	0.600	o	225	
7.000	10.979	0.022	499.0	0.067	5.00	0.0	0.600	o	225	
5.005	42.023	0.084	500.3	0.081	0.00	0.0	0.600	o	225	
5.006	10.490	0.021	499.5	0.059	0.00	0.0	0.600	o	225	
1.012	26.963	0.054	499.3	0.028	0.00	0.0	0.600	o	225	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
3.000	50.00	5.15	46.625	0.041	0.0	0.0	0.0	1.06	42.3	5.6
1.009	44.83	11.66	46.561	0.496	0.0	0.0	0.0	0.58	22.9«	60.2
4.000	50.00	5.05	46.502	0.042	0.0	0.0	0.0	1.07	42.7	5.7
1.010	44.26	11.93	46.480	0.547	0.0	0.0	0.0	0.58	23.1«	65.6
1.011	41.95	13.12	46.461	0.564	0.0	0.0	0.0	0.58	22.9«	65.6
5.000	50.00	5.43	46.792	0.044	0.0	0.0	0.0	0.57	22.9	6.0
5.001	50.00	6.72	46.763	0.116	0.0	0.0	0.0	0.58	23.0	15.7
5.002	50.00	7.83	46.673	0.203	0.0	0.0	0.0	0.58	23.0«	27.5
5.003	50.00	8.82	46.596	0.264	0.0	0.0	0.0	0.58	22.9«	35.7
6.000	50.00	5.09	46.568	0.075	0.0	0.0	0.0	1.06	42.3	10.2
5.004	50.00	9.45	46.528	0.379	0.0	0.0	0.0	0.58	23.0«	51.3
7.000	50.00	5.32	46.506	0.067	0.0	0.0	0.0	0.58	23.0	9.1
5.005	47.09	10.66	46.484	0.527	0.0	0.0	0.0	0.58	23.0«	67.2
5.006	46.38	10.96	46.400	0.586	0.0	0.0	0.0	0.58	23.0«	73.6
1.012	40.59	13.90	46.379	1.178	0.0	0.0	0.0	0.58	23.0«	129.5

Network Design Table for SW-NET1.SWS

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
8.000	4.420	0.029	152.4	0.075	5.00	0.0	0.600	o	225	
1.013	6.594	0.013	507.2	0.027	0.00	0.0	0.600	o	225	
9.000	9.592	0.064	149.9	0.038	5.00	0.0	0.600	o	225	
1.014	5.061	0.012	421.8	0.000	0.00	0.0	0.600	o	225	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
8.000	50.00	5.07	46.354	0.075	0.0	0.0	0.0	1.06	42.0	10.2
1.013	40.27	14.09	46.325	1.280	0.0	0.0	0.0	0.57	22.8«	139.6
9.000	50.00	5.15	46.376	0.038	0.0	0.0	0.0	1.07	42.4	5.1
1.014	40.05	14.22	46.312	1.318	0.0	0.0	0.0	0.63	25.1«	143.0

Manhole Schedules for SW-NET1.SWS

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	Pipe Out PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Backdrop (mm)
2	48.159	1.219	Open Manhole	1200	1.000	46.940	225				
4	48.016	1.111	Open Manhole	1200	1.001	46.905	225	1.000	46.905	225	
6	48.089	1.224	Open Manhole	1200	1.002	46.865	225	1.001	46.865	225	
8	47.931	1.113	Open Manhole	1200	1.003	46.818	225	1.002	46.818	225	
10	47.716	0.937	Open Manhole	1200	1.004	46.779	225	1.003	46.779	225	
12	47.685	0.927	Open Manhole	1200	1.005	46.758	225	1.004	46.758	225	
14	47.815	1.079	Open Manhole	1350	1.006	46.736	225	1.005	46.736	225	
16	47.724	1.016	Open Manhole	1200	1.007	46.708	225	1.006	46.708	225	
201	47.765	1.112	Open Manhole	1200	2.000	46.653	225				
18	47.646	1.029	Open Manhole	1200	1.008	46.617	225	1.007	46.617	225	
								2.000	46.617	225	
301	47.825	1.200	Open Manhole	1200	3.000	46.625	225				
20	47.784	1.223	Open Manhole	1200	1.009	46.561	225	1.008	46.561	225	
								3.000	46.561	225	
401	47.875	1.373	Open Manhole	1200	4.000	46.502	225				
22	47.766	1.286	Open Manhole	1200	1.010	46.480	225	1.009	46.480	225	
								4.000	46.480	225	
24	47.695	1.234	Open Manhole	1200	1.011	46.461	225	1.010	46.461	225	
34	47.762	0.970	Open Manhole	1350	5.000	46.792	225				
36	47.990	1.227	Open Manhole	1200	5.001	46.763	225	5.000	46.763	225	
38	47.980	1.307	Open Manhole	1200	5.002	46.673	225	5.001	46.673	225	
40	47.818	1.222	Open Manhole	1200	5.003	46.596	225	5.002	46.596	225	
601	47.875	1.307	Open Manhole	1200	6.000	46.568	225				
42	47.739	1.211	Open Manhole	1200	5.004	46.528	225	5.003	46.528	225	
								6.000	46.528	225	
701	47.517	1.011	Open Manhole	1200	7.000	46.506	225				
44	47.455	0.971	Open Manhole	1350	5.005	46.484	225	5.004	46.484	225	
								7.000	46.484	225	
46	47.629	1.229	Open Manhole	1200	5.006	46.400	225	5.005	46.400	225	
26	47.855	1.476	Open Manhole	1350	1.012	46.379	225	1.011	46.379	225	
								5.006	46.379	225	
801	47.945	1.591	Open Manhole	1200	8.000	46.354	225				
28	47.730	1.405	Open Manhole	1200	1.013	46.325	225	1.012	46.325	225	
								8.000	46.325	225	
901	47.555	1.179	Open Manhole	1200	9.000	46.376	225				
30	47.579	1.267	Open Manhole	3000	1.014	46.312	225	1.013	46.312	225	
								9.000	46.312	225	
32	47.367	1.067	Open Manhole	1200		OUTFALL		1.014	46.300	225	

Free Flowing Outfall Details for SW-NET1.SWS

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.014	32	47.367	46.300	46.150	1200	0

Simulation Criteria for SW-NET1.SWS

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	0.000
Hot Start (mins)	0	Inlet Coeffiecient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.400	Storm Duration (mins)	30
Ratio R	0.400		

Online Controls for SW-NET1.SWS

Complex Manhole: 30, DS/PN: 1.014, Volume (m³): 9.4

Hydro-Brake Optimum®

Unit Reference	MD-SHE-0145-9700-0900-9700
Design Head (m)	0.900
Design Flow (l/s)	9.7
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Diameter (mm)	145
Invert Level (m)	46.312
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.900	9.7	Kick-Flo®	0.620	8.1
Flush-Flo™	0.281	9.6	Mean Flow over Head Range	-	8.2

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake Optimum® as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.2	1.200	11.1	3.000	17.1	7.000	25.6
0.200	9.4	1.400	11.9	3.500	18.4	7.500	26.5
0.300	9.6	1.600	12.7	4.000	19.6	8.000	27.4
0.400	9.4	1.800	13.4	4.500	20.7	8.500	28.2
0.500	9.1	2.000	14.1	5.000	21.8	9.000	29.0
0.600	8.4	2.200	14.7	5.500	22.8	9.500	29.6
0.800	9.1	2.400	15.4	6.000	23.8		
1.000	10.1	2.600	16.0	6.500	24.7		

Hydro-Brake Optimum®

Unit Reference	MD-SHE-0208-2330-1290-2330
Design Head (m)	1.290
Design Flow (l/s)	23.3
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Diameter (mm)	208
Invert Level (m)	47.002
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1500

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.290	23.2	Kick-Flo®	0.883	19.3
Flush-Flo™	0.403	23.1	Mean Flow over Head Range	-	19.7

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake Optimum® as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Hydro-Brake Optimum®

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	7.1	1.200	22.4	3.000	34.7	7.000	52.3
0.200	20.0	1.400	24.1	3.500	37.4	7.500	54.0
0.300	22.7	1.600	25.7	4.000	39.9	8.000	55.8
0.400	23.1	1.800	27.2	4.500	42.2	8.500	57.4
0.500	22.9	2.000	28.6	5.000	44.4	9.000	59.1
0.600	22.5	2.200	29.9	5.500	46.5	9.500	60.6
0.800	21.0	2.400	31.2	6.000	48.5		
1.000	20.5	2.600	32.4	6.500	50.4		

Hydro-Brake Optimum®

Unit Reference	MD-SHE-0231-3000-1390-3000
Design Head (m)	1.390
Design Flow (l/s)	30.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Diameter (mm)	231
Invert Level (m)	47.069
Minimum Outlet Pipe Diameter (mm)	300
Suggested Manhole Diameter (mm)	1800

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.390	29.8	Kick-Flo®	0.964	25.0
Flush-Flo™	0.442	29.8	Mean Flow over Head Range	-	25.4

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake Optimum® as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	7.7	1.200	27.8	3.000	43.1	7.000	65.0
0.200	23.2	1.400	29.9	3.500	46.5	7.500	67.2
0.300	29.1	1.600	31.9	4.000	49.6	8.000	69.4
0.400	29.8	1.800	33.7	4.500	52.5	8.500	71.4
0.500	29.7	2.000	35.5	5.000	55.2	9.000	73.5
0.600	29.4	2.200	37.1	5.500	57.8	9.500	75.4
0.800	28.1	2.400	38.7	6.000	60.3		
1.000	25.5	2.600	40.3	6.500	62.7		

Storage Structures for SW-NET1.SWS

Porous Car Park Manhole: 4, DS/PN: 1.001

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	24.1
Max Percolation (l/s)	33.5	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.150	Cap Volume Depth (m)	0.300

Porous Car Park Manhole: 8, DS/PN: 1.003

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	8.9
Max Percolation (l/s)	12.4	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.550	Cap Volume Depth (m)	0.300

Cellular Storage Manhole: 12, DS/PN: 1.005

Invert Level (m)	46.758	Safety Factor	2.0
Infiltration Coefficient Base (m/hr)	0.00000	Porosity	0.95
Infiltration Coefficient Side (m/hr)	0.01440		

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	75.0	75.0	0.500	0.0	91.0
0.400	75.0	91.0			

Infiltration Trench Manhole: 14, DS/PN: 1.006

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	40.0
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.000
Invert Level (m)	47.250	Cap Infiltration Depth (m)	0.000

Complex Manhole: 16, DS/PN: 1.007

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	17.3
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	47.050	Cap Infiltration Depth (m)	0.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Safety Factor	2.0
Membrane Percolation (mm/hr)	1000	Porosity	0.30
Max Percolation (l/s)	49.9	Invert Level (m)	47.300

Porous Car Park

Width (m)	5.0	Depression Storage (mm)	5
Length (m)	35.9	Evaporation (mm/day)	3
Slope (1:X)	80.0	Cap Volume Depth (m)	0.300

Complex Manhole: 201, DS/PN: 2.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	36.2
Max Percolation (l/s)	50.3	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.000	Cap Volume Depth (m)	0.300

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	94.7
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	47.250	Cap Infiltration Depth (m)	0.000

Complex Manhole: 301, DS/PN: 3.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	7.7
Max Percolation (l/s)	10.7	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	46.900	Cap Volume Depth (m)	0.300

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.00900	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.00900	Trench Length (m)	55.4
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.900	Cap Infiltration Depth (m)	0.000

Complex Manhole: 20, DS/PN: 1.009

Infiltration Blanket

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	142.3
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.960		

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	12.2
Max Percolation (l/s)	16.9	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.350	Cap Volume Depth (m)	0.300

Complex Manhole: 401, DS/PN: 4.000

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	56.1
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.950	Cap Infiltration Depth (m)	0.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	35.3
Max Percolation (l/s)	49.0	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.250	Cap Volume Depth (m)	0.300

Complex Manhole: 24, DS/PN: 1.011

Infiltration Blanket

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	16.5
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.850		

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	17.0
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.000
Invert Level (m)	46.850	Cap Infiltration Depth (m)	0.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	34.7
Max Percolation (l/s)	48.2	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.200	Cap Volume Depth (m)	0.300

Complex Manhole: 34, DS/PN: 5.000

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	30.0
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.000
Invert Level (m)	47.100	Cap Infiltration Depth (m)	0.000

Cellular Storage

Invert Level (m)	46.792	Safety Factor	2.0
Infiltration Coefficient Base (m/hr)	0.00000	Porosity	0.95
Infiltration Coefficient Side (m/hr)	0.01440		

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	48.0	48.0	0.500	0.0	60.8
0.400	48.0	60.8			

Porous Car Park Manhole: 36, DS/PN: 5.001

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	27.0
Max Percolation (l/s)	37.5	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.450	Cap Volume Depth (m)	0.300

Porous Car Park Manhole: 38, DS/PN: 5.002

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	30.0
Max Percolation (l/s)	41.7	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.350	Cap Volume Depth (m)	0.300

Complex Manhole: 40, DS/PN: 5.003

Infiltration Blanket

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	139.5
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.850		

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Porosity	0.30
Membrane Percolation (mm/hr)	1000	Invert Level (m)	47.300
Max Percolation (l/s)	65.8	Width (m)	5.0
Safety Factor	2.0	Length (m)	47.4

Porous Car Park

Slope (1:X)	80.0	Evaporation (mm/day)	3
Depression Storage (mm)	5	Cap Volume Depth (m)	0.300

Complex Manhole: 601, DS/PN: 6.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	28.0
Max Percolation (l/s)	38.9	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	46.500	Cap Volume Depth (m)	0.300

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	160.7
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.500	Cap Infiltration Depth (m)	0.000

Complex Manhole: 701, DS/PN: 7.000

Infiltration Blanket

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	54.4
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.740		

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	13.0
Max Percolation (l/s)	18.1	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.050	Cap Volume Depth (m)	0.300

Complex Manhole: 44, DS/PN: 5.005

Infiltration Blanket

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	129.9
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.620		

Lined Soakaway

Infiltration Coefficient Base (m/hr)	0.00000	Ring Diameter (m)	1.50
Infiltration Coefficient Side (m/hr)	0.01440	Pit Multiplier	1.5
Safety Factor	2.0	Number Required	1
Porosity	0.30	Cap Volume Depth (m)	0.000
Invert Level (m)	46.620	Cap Infiltration Depth (m)	0.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.00900	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	13.3
Max Percolation (l/s)	18.5	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.050	Cap Volume Depth (m)	0.300

Complex Manhole: 46, DS/PN: 5.006

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	33.5
Max Percolation (l/s)	46.5	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	46.450	Cap Volume Depth (m)	0.300

Complex Manhole: 801, DS/PN: 8.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	60.0
Max Percolation (l/s)	83.3	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	47.050	Cap Volume Depth (m)	0.300

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	73.1
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	47.050	Cap Infiltration Depth (m)	0.000

Cellular Storage

Invert Level (m)	47.050	Safety Factor	2.0
Infiltration Coefficient Base (m/hr)	0.00000	Porosity	0.95
Infiltration Coefficient Side (m/hr)	0.01440		

Cellular Storage

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	48.0	48.0	0.500	0.0	60.8
0.400	48.0	60.8			

Infiltration Blanket Manhole: 28, DS/PN: 1.013

Infiltration Coefficient Base (m/hr)	0.01440	Diameter/Width (m)	5.0
Safety Factor	2.0	Length (m)	44.7
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.350		

Complex Manhole: 901, DS/PN: 9.000

Porous Car Park

Infiltration Coefficient Base (m/hr)	0.01440	Width (m)	5.0
Membrane Percolation (mm/hr)	1000	Length (m)	14.2
Max Percolation (l/s)	19.7	Slope (1:X)	80.0
Safety Factor	2.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	46.550	Cap Volume Depth (m)	0.300

Infiltration Trench

Infiltration Coefficient Base (m/hr)	0.01440	Trench Width (m)	0.6
Infiltration Coefficient Side (m/hr)	0.01440	Trench Length (m)	78.0
Safety Factor	2.0	Slope (1:X)	500.0
Porosity	0.30	Cap Volume Depth (m)	0.450
Invert Level (m)	46.550	Cap Infiltration Depth (m)	0.000

Summary Wizard of 15 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	47	47.034	-0.131	0.000	0.29	0.0	5.2	OK
1.001	4	50	47.005	-0.125	0.000	0.37	0.0	7.0	OK
1.002	6	54	46.969	-0.121	0.000	0.31	0.0	6.5	OK
1.003	8	54	46.948	-0.095	0.000	0.45	0.0	8.6	OK
1.004	10	55	46.922	-0.082	0.000	0.73	0.0	10.8	OK
1.005	12	65	46.838	-0.145	0.000	0.22	0.0	3.4	OK
1.006	14	60	46.863	-0.098	0.000	0.22	0.0	3.4	OK
1.007	16	55	46.908	-0.025	0.000	0.47	0.0	10.3	OK
2.000	201	56	46.890	0.012	0.000	0.18	0.0	5.4	SURCHARGED
1.008	18	56	46.887	0.045	0.000	0.85	0.0	18.1	SURCHARGED
3.000	301	58	46.850	0.000	0.000	0.13	0.0	4.5	SURCHARGED
1.009	20	58	46.847	0.061	0.000	1.09	0.0	23.7	SURCHARGED
4.000	401	67	46.767	0.040	0.000	0.16	0.0	4.3	SURCHARGED
1.010	22	67	46.766	0.061	0.000	1.60	0.0	25.2	SURCHARGED
1.011	24	70	46.737	0.051	0.000	1.09	0.0	23.9	SURCHARGED
5.000	34	62	46.843	-0.174	0.000	0.08	0.0	1.3	OK
5.001	36	54	46.854	-0.134	0.000	0.30	0.0	6.6	OK
5.002	38	55	46.809	-0.089	0.000	0.65	0.0	14.1	OK
5.003	40	64	46.758	-0.063	0.000	0.85	0.0	18.3	OK
6.000	601	77	46.687	-0.106	0.000	0.06	0.0	1.9	OK
5.004	42	74	46.701	-0.052	0.000	0.94	0.0	18.9	OK
7.000	701	79	46.663	-0.068	0.000	0.57	0.0	8.6	OK
5.005	44	79	46.663	-0.046	0.000	0.68	0.0	14.8	OK
5.006	46	79	46.645	0.020	0.000	0.78	0.0	11.7	SURCHARGED
1.012	26	79	46.640	0.036	0.000	1.35	0.0	28.9	SURCHARGED

Summary Wizard of 15 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	81	46.602	0.023	0.000	0.33	0.0	9.7	SURCHARGED
1.013	28	81	46.602	0.052	0.000	0.56	0.0	11.7	SURCHARGED
9.000	901	81	46.593	-0.008	0.000	0.14	0.0	4.9	OK
1.014	30	81	46.593	0.056	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	49	47.031	-0.134	0.000	0.27	0.0	4.8	OK
1.001	4	51	47.004	-0.126	0.000	0.36	0.0	6.9	OK
1.002	6	53	46.971	-0.119	0.000	0.31	0.0	6.4	OK
1.003	8	53	46.951	-0.092	0.000	0.47	0.0	8.9	OK
1.004	10	53	46.926	-0.078	0.000	0.76	0.0	11.1	OK
1.005	12	60	46.859	-0.124	0.000	0.30	0.0	4.5	OK
1.006	14	55	46.881	-0.080	0.000	0.30	0.0	4.6	OK
1.007	16	53	46.939	0.006	0.000	0.43	0.0	9.4	SURCHARGED
2.000	201	53	46.923	0.045	0.000	0.17	0.0	5.0	SURCHARGED
1.008	18	53	46.921	0.079	0.000	0.82	0.0	17.6	SURCHARGED
3.000	301	54	46.886	0.036	0.000	0.11	0.0	4.0	SURCHARGED
1.009	20	54	46.883	0.097	0.000	1.08	0.0	23.6	SURCHARGED
4.000	401	56	46.799	0.072	0.000	0.15	0.0	4.1	SURCHARGED
1.010	22	57	46.797	0.092	0.000	1.62	0.0	25.4	SURCHARGED
1.011	24	63	46.766	0.080	0.000	1.19	0.0	25.9	SURCHARGED
5.000	34	57	46.850	-0.167	0.000	0.10	0.0	1.7	OK
5.001	36	55	46.853	-0.135	0.000	0.30	0.0	6.5	OK
5.002	38	57	46.809	-0.089	0.000	0.65	0.0	14.1	OK
5.003	40	62	46.761	-0.060	0.000	0.88	0.0	18.9	OK
6.000	601	72	46.706	-0.087	0.000	0.05	0.0	1.4	OK
5.004	42	72	46.708	-0.045	0.000	0.99	0.0	19.9	OK
7.000	701	73	46.690	-0.041	0.000	0.51	0.0	7.7	OK
5.005	44	73	46.690	-0.019	0.000	0.66	0.0	14.3	OK
5.006	46	73	46.681	0.056	0.000	0.71	0.0	10.6	SURCHARGED
1.012	26	73	46.677	0.073	0.000	1.42	0.0	30.3	SURCHARGED

Summary Wizard of 30 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	74	46.650	0.071	0.000	0.29	0.0	8.6	SURCHARGED
1.013	28	74	46.650	0.100	0.000	0.59	0.0	12.4	SURCHARGED
9.000	901	74	46.640	0.039	0.000	0.12	0.0	4.3	SURCHARGED
1.014	30	74	46.641	0.104	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 60 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	52	47.019	-0.146	0.000	0.20	0.0	3.6	OK
1.001	4	53	46.993	-0.137	0.000	0.28	0.0	5.4	OK
1.002	6	55	46.960	-0.130	0.000	0.25	0.0	5.3	OK
1.003	8	55	46.938	-0.105	0.000	0.40	0.0	7.6	OK
1.004	10	56	46.913	-0.091	0.000	0.66	0.0	9.7	OK
1.005	12	57	46.870	-0.113	0.000	0.31	0.0	4.8	OK
1.006	14	59	46.871	-0.090	0.000	0.31	0.0	4.9	OK
1.007	16	56	46.902	-0.031	0.000	0.37	0.0	8.0	OK
2.000	201	57	46.886	0.008	0.000	0.12	0.0	3.6	SURCHARGED
1.008	18	57	46.884	0.042	0.000	0.72	0.0	15.5	SURCHARGED
3.000	301	57	46.851	0.001	0.000	0.09	0.0	3.1	SURCHARGED
1.009	20	57	46.848	0.062	0.000	0.96	0.0	20.9	SURCHARGED
4.000	401	61	46.783	0.056	0.000	0.12	0.0	3.4	SURCHARGED
1.010	22	61	46.782	0.077	0.000	1.47	0.0	23.0	SURCHARGED
1.011	24	66	46.755	0.069	0.000	1.09	0.0	23.7	SURCHARGED
5.000	34	55	46.852	-0.165	0.000	0.11	0.0	1.8	OK
5.001	36	58	46.844	-0.144	0.000	0.26	0.0	5.7	OK
5.002	38	59	46.794	-0.104	0.000	0.55	0.0	12.0	OK
5.003	40	69	46.745	-0.076	0.000	0.75	0.0	16.1	OK
6.000	601	66	46.727	-0.066	0.000	0.02	0.0	0.7	OK
5.004	42	66	46.727	-0.026	0.000	0.88	0.0	17.8	OK
7.000	701	66	46.721	-0.010	0.000	0.38	0.0	5.7	OK
5.005	44	66	46.720	0.011	0.000	0.63	0.0	13.7	SURCHARGED
5.006	46	66	46.716	0.091	0.000	0.70	0.0	10.5	SURCHARGED
1.012	26	66	46.714	0.110	0.000	1.31	0.0	28.0	SURCHARGED

Summary Wizard of 60 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	66	46.691	0.112	0.000	0.21	0.0	6.2	SURCHARGED
1.013	28	66	46.691	0.141	0.000	0.59	0.0	12.4	SURCHARGED
9.000	901	66	46.681	0.080	0.000	0.08	0.0	3.0	SURCHARGED
1.014	30	66	46.681	0.144	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 120 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	55	47.004	-0.161	0.000	0.14	0.0	2.5	OK
1.001	4	57	46.977	-0.153	0.000	0.20	0.0	3.8	OK
1.002	6	57	46.941	-0.149	0.000	0.18	0.0	3.7	OK
1.003	8	58	46.916	-0.127	0.000	0.29	0.0	5.6	OK
1.004	10	59	46.890	-0.114	0.000	0.49	0.0	7.2	OK
1.005	12	58	46.866	-0.117	0.000	0.25	0.0	3.9	OK
1.006	14	61	46.859	-0.102	0.000	0.26	0.0	4.0	OK
1.007	16	61	46.854	-0.079	0.000	0.33	0.0	7.2	OK
2.000	201	62	46.835	-0.043	0.000	0.09	0.0	2.6	OK
1.008	18	62	46.834	-0.008	0.000	0.60	0.0	12.9	OK
3.000	301	62	46.810	-0.040	0.000	0.06	0.0	2.2	OK
1.009	20	62	46.809	0.023	0.000	0.76	0.0	16.7	SURCHARGED
4.000	401	65	46.774	0.047	0.000	0.08	0.0	2.3	SURCHARGED
1.010	22	65	46.774	0.069	0.000	1.16	0.0	18.2	SURCHARGED
1.011	24	65	46.759	0.073	0.000	0.86	0.0	18.7	SURCHARGED
5.000	34	59	46.848	-0.169	0.000	0.10	0.0	1.5	OK
5.001	36	60	46.834	-0.154	0.000	0.21	0.0	4.7	OK
5.002	38	65	46.777	-0.121	0.000	0.43	0.0	9.3	OK
5.003	40	68	46.748	-0.073	0.000	0.57	0.0	12.2	OK
6.000	601	64	46.742	-0.051	0.000	0.06	0.0	1.7	OK
5.004	42	64	46.742	-0.011	0.000	0.73	0.0	14.6	OK
7.000	701	64	46.738	0.007	0.000	0.26	0.0	3.8	SURCHARGED
5.005	44	64	46.737	0.028	0.000	0.57	0.0	12.4	SURCHARGED
5.006	46	62	46.732	0.107	0.000	0.71	0.0	10.6	SURCHARGED
1.012	26	62	46.730	0.126	0.000	1.03	0.0	22.0	SURCHARGED

Summary Wizard of 120 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	62	46.708	0.129	0.000	0.14	0.0	4.1	SURCHARGED
1.013	28	62	46.708	0.158	0.000	0.55	0.0	11.6	SURCHARGED
9.000	901	62	46.699	0.098	0.000	0.06	0.0	1.9	SURCHARGED
1.014	30	62	46.699	0.162	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 180 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	56	46.995	-0.170	0.000	0.11	0.0	1.9	OK
1.001	4	58	46.968	-0.162	0.000	0.15	0.0	3.0	OK
1.002	6	58	46.930	-0.160	0.000	0.14	0.0	2.9	OK
1.003	8	61	46.903	-0.140	0.000	0.23	0.0	4.4	OK
1.004	10	62	46.876	-0.128	0.000	0.39	0.0	5.7	OK
1.005	12	61	46.857	-0.126	0.000	0.21	0.0	3.3	OK
1.006	14	63	46.849	-0.112	0.000	0.21	0.0	3.3	OK
1.007	16	63	46.843	-0.090	0.000	0.31	0.0	6.8	OK
2.000	201	63	46.826	-0.052	0.000	0.07	0.0	2.0	OK
1.008	18	63	46.826	-0.016	0.000	0.53	0.0	11.4	OK
3.000	301	64	46.805	-0.045	0.000	0.05	0.0	1.7	OK
1.009	20	65	46.804	0.018	0.000	0.66	0.0	14.3	SURCHARGED
4.000	401	66	46.773	0.046	0.000	0.06	0.0	1.8	SURCHARGED
1.010	22	66	46.773	0.068	0.000	1.00	0.0	15.6	SURCHARGED
1.011	24	64	46.759	0.073	0.000	0.74	0.0	16.1	SURCHARGED
5.000	34	61	46.844	-0.173	0.000	0.08	0.0	1.3	OK
5.001	36	62	46.827	-0.161	0.000	0.18	0.0	4.0	OK
5.002	38	67	46.766	-0.132	0.000	0.35	0.0	7.6	OK
5.003	40	66	46.751	-0.070	0.000	0.46	0.0	10.0	OK
6.000	601	61	46.745	-0.048	0.000	0.05	0.0	1.6	OK
5.004	42	61	46.745	-0.008	0.000	0.59	0.0	11.8	OK
7.000	701	61	46.740	0.009	0.000	0.20	0.0	3.0	SURCHARGED
5.005	44	61	46.739	0.030	0.000	0.51	0.0	11.2	SURCHARGED
5.006	46	61	46.734	0.109	0.000	0.61	0.0	9.1	SURCHARGED
1.012	26	61	46.732	0.128	0.000	0.88	0.0	18.8	SURCHARGED

Summary Wizard of 180 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	61	46.710	0.131	0.000	0.11	0.0	3.3	SURCHARGED
1.013	28	61	46.710	0.160	0.000	0.53	0.0	11.1	SURCHARGED
9.000	901	61	46.701	0.100	0.000	0.04	0.0	1.3	SURCHARGED
1.014	30	61	46.701	0.164	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 240 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	60	46.990	-0.175	0.000	0.09	0.0	1.6	OK
1.001	4	60	46.961	-0.169	0.000	0.13	0.0	2.5	OK
1.002	6	61	46.923	-0.167	0.000	0.12	0.0	2.5	OK
1.003	8	62	46.895	-0.148	0.000	0.19	0.0	3.7	OK
1.004	10	64	46.868	-0.136	0.000	0.32	0.0	4.8	OK
1.005	12	63	46.848	-0.135	0.000	0.19	0.0	2.9	OK
1.006	14	65	46.838	-0.123	0.000	0.19	0.0	2.9	OK
1.007	16	65	46.830	-0.103	0.000	0.29	0.0	6.4	OK
2.000	201	66	46.814	-0.064	0.000	0.06	0.0	1.7	OK
1.008	18	66	46.813	-0.029	0.000	0.48	0.0	10.3	OK
3.000	301	68	46.794	-0.056	0.000	0.04	0.0	1.4	OK
1.009	20	68	46.794	0.008	0.000	0.58	0.0	12.7	SURCHARGED
4.000	401	68	46.766	0.039	0.000	0.05	0.0	1.5	SURCHARGED
1.010	22	68	46.766	0.061	0.000	0.88	0.0	13.8	SURCHARGED
1.011	24	67	46.754	0.068	0.000	0.65	0.0	14.3	SURCHARGED
5.000	34	64	46.841	-0.176	0.000	0.07	0.0	1.2	OK
5.001	36	63	46.822	-0.166	0.000	0.16	0.0	3.4	OK
5.002	38	68	46.758	-0.140	0.000	0.30	0.0	6.5	OK
5.003	40	67	46.749	-0.072	0.000	0.39	0.0	8.5	OK
6.000	601	63	46.743	-0.050	0.000	0.06	0.0	1.7	OK
5.004	42	63	46.743	-0.010	0.000	0.50	0.0	10.0	OK
7.000	701	63	46.738	0.007	0.000	0.16	0.0	2.5	SURCHARGED
5.005	44	63	46.737	0.028	0.000	0.44	0.0	9.7	SURCHARGED
5.006	46	63	46.731	0.106	0.000	0.54	0.0	8.0	SURCHARGED
1.012	26	63	46.729	0.125	0.000	0.79	0.0	16.9	SURCHARGED

Summary Wizard of 240 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	63	46.707	0.128	0.000	0.09	0.0	2.7	SURCHARGED
1.013	28	63	46.707	0.157	0.000	0.51	0.0	10.7	SURCHARGED
9.000	901	63	46.698	0.097	0.000	0.03	0.0	1.0	SURCHARGED
1.014	30	63	46.698	0.161	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 360 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	62	46.984	-0.181	0.000	0.07	0.0	1.2	OK
1.001	4	62	46.954	-0.176	0.000	0.10	0.0	1.9	OK
1.002	6	64	46.915	-0.175	0.000	0.09	0.0	1.9	OK
1.003	8	66	46.885	-0.158	0.000	0.15	0.0	2.8	OK
1.004	10	66	46.858	-0.146	0.000	0.25	0.0	3.6	OK
1.005	12	66	46.836	-0.147	0.000	0.17	0.0	2.6	OK
1.006	14	68	46.820	-0.141	0.000	0.17	0.0	2.6	OK
1.007	16	69	46.805	-0.128	0.000	0.25	0.0	5.5	OK
2.000	201	70	46.788	-0.090	0.000	0.04	0.0	1.3	OK
1.008	18	70	46.787	-0.055	0.000	0.41	0.0	8.8	OK
3.000	301	70	46.771	-0.079	0.000	0.03	0.0	1.1	OK
1.009	20	70	46.770	-0.016	0.000	0.49	0.0	10.7	OK
4.000	401	70	46.748	0.021	0.000	0.04	0.0	1.1	SURCHARGED
1.010	22	70	46.747	0.042	0.000	0.74	0.0	11.7	SURCHARGED
1.011	24	69	46.737	0.051	0.000	0.55	0.0	12.0	SURCHARGED
5.000	34	66	46.836	-0.181	0.000	0.06	0.0	0.9	OK
5.001	36	66	46.816	-0.172	0.000	0.13	0.0	2.8	OK
5.002	38	70	46.749	-0.149	0.000	0.24	0.0	5.2	OK
5.003	40	70	46.739	-0.082	0.000	0.31	0.0	6.8	OK
6.000	601	65	46.732	-0.061	0.000	0.05	0.0	1.4	OK
5.004	42	65	46.732	-0.021	0.000	0.39	0.0	7.8	OK
7.000	701	65	46.727	-0.004	0.000	0.12	0.0	1.9	OK
5.005	44	65	46.726	0.017	0.000	0.37	0.0	8.0	SURCHARGED
5.006	46	65	46.719	0.094	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	65	46.716	0.112	0.000	0.70	0.0	14.9	SURCHARGED

Summary Wizard of 360 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	65	46.695	0.116	0.000	0.07	0.0	2.1	SURCHARGED
1.013	28	65	46.694	0.144	0.000	0.48	0.0	10.2	SURCHARGED
9.000	901	65	46.685	0.084	0.000	0.02	0.0	0.8	SURCHARGED
1.014	30	65	46.685	0.148	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 480 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	64	46.979	-0.186	0.000	0.05	0.0	1.0	OK
1.001	4	64	46.950	-0.180	0.000	0.08	0.0	1.5	OK
1.002	6	66	46.910	-0.180	0.000	0.07	0.0	1.5	OK
1.003	8	67	46.878	-0.165	0.000	0.12	0.0	2.3	OK
1.004	10	67	46.852	-0.152	0.000	0.20	0.0	3.0	OK
1.005	12	69	46.828	-0.155	0.000	0.16	0.0	2.4	OK
1.006	14	71	46.809	-0.152	0.000	0.15	0.0	2.4	OK
1.007	16	71	46.789	-0.144	0.000	0.22	0.0	4.9	OK
2.000	201	71	46.762	-0.116	0.000	0.04	0.0	1.1	OK
1.008	18	71	46.761	-0.081	0.000	0.36	0.0	7.7	OK
3.000	301	71	46.748	-0.102	0.000	0.03	0.0	0.9	OK
1.009	20	71	46.747	-0.039	0.000	0.43	0.0	9.3	OK
4.000	401	71	46.727	0.000	0.000	0.03	0.0	0.9	SURCHARGED
1.010	22	71	46.727	0.022	0.000	0.65	0.0	10.1	SURCHARGED
1.011	24	71	46.718	0.032	0.000	0.48	0.0	10.4	SURCHARGED
5.000	34	67	46.832	-0.185	0.000	0.05	0.0	0.8	OK
5.001	36	68	46.812	-0.176	0.000	0.11	0.0	2.3	OK
5.002	38	71	46.741	-0.157	0.000	0.20	0.0	4.3	OK
5.003	40	73	46.723	-0.098	0.000	0.26	0.0	5.6	OK
6.000	601	70	46.717	-0.076	0.000	0.05	0.0	1.4	OK
5.004	42	71	46.717	-0.036	0.000	0.33	0.0	6.6	OK
7.000	701	69	46.711	-0.020	0.000	0.10	0.0	1.5	OK
5.005	44	69	46.710	0.001	0.000	0.33	0.0	7.2	SURCHARGED
5.006	46	69	46.703	0.078	0.000	0.42	0.0	6.3	SURCHARGED
1.012	26	69	46.699	0.095	0.000	0.65	0.0	13.8	SURCHARGED

Summary Wizard of 480 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	69	46.678	0.099	0.000	0.06	0.0	1.7	SURCHARGED
1.013	28	69	46.677	0.127	0.000	0.47	0.0	9.9	SURCHARGED
9.000	901	69	46.668	0.067	0.000	0.02	0.0	0.7	SURCHARGED
1.014	30	69	46.668	0.131	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 600 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	67	46.975	-0.190	0.000	0.05	0.0	0.8	OK
1.001	4	67	46.945	-0.185	0.000	0.07	0.0	1.3	OK
1.002	6	68	46.906	-0.184	0.000	0.06	0.0	1.3	OK
1.003	8	69	46.873	-0.170	0.000	0.10	0.0	2.0	OK
1.004	10	69	46.847	-0.157	0.000	0.17	0.0	2.5	OK
1.005	12	72	46.823	-0.160	0.000	0.14	0.0	2.2	OK
1.006	14	72	46.802	-0.159	0.000	0.14	0.0	2.2	OK
1.007	16	73	46.778	-0.155	0.000	0.20	0.0	4.3	OK
2.000	201	74	46.740	-0.138	0.000	0.03	0.0	0.9	OK
1.008	18	74	46.740	-0.102	0.000	0.33	0.0	7.0	OK
3.000	301	74	46.727	-0.123	0.000	0.02	0.0	0.8	OK
1.009	20	74	46.727	-0.059	0.000	0.38	0.0	8.4	OK
4.000	401	75	46.709	-0.018	0.000	0.03	0.0	0.8	OK
1.010	22	75	46.709	0.004	0.000	0.57	0.0	9.0	SURCHARGED
1.011	24	75	46.700	0.014	0.000	0.42	0.0	9.2	SURCHARGED
5.000	34	69	46.829	-0.188	0.000	0.04	0.0	0.7	OK
5.001	36	70	46.809	-0.179	0.000	0.09	0.0	2.0	OK
5.002	38	74	46.735	-0.163	0.000	0.17	0.0	3.7	OK
5.003	40	75	46.707	-0.114	0.000	0.23	0.0	4.9	OK
6.000	601	74	46.701	-0.092	0.000	0.05	0.0	1.4	OK
5.004	42	75	46.701	-0.052	0.000	0.29	0.0	5.9	OK
7.000	701	72	46.695	-0.036	0.000	0.09	0.0	1.3	OK
5.005	44	72	46.694	-0.015	0.000	0.30	0.0	6.6	OK
5.006	46	72	46.686	0.061	0.000	0.40	0.0	5.9	SURCHARGED
1.012	26	72	46.682	0.078	0.000	0.61	0.0	13.1	SURCHARGED

Summary Wizard of 600 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	72	46.661	0.082	0.000	0.05	0.0	1.4	SURCHARGED
1.013	28	72	46.660	0.110	0.000	0.48	0.0	10.2	SURCHARGED
9.000	901	72	46.652	0.051	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	72	46.652	0.115	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 720 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	68	46.972	-0.193	0.000	0.04	0.0	0.7	OK
1.001	4	69	46.942	-0.188	0.000	0.06	0.0	1.1	OK
1.002	6	69	46.903	-0.187	0.000	0.05	0.0	1.1	OK
1.003	8	70	46.870	-0.173	0.000	0.09	0.0	1.7	OK
1.004	10	72	46.843	-0.161	0.000	0.15	0.0	2.2	OK
1.005	12	74	46.819	-0.164	0.000	0.13	0.0	2.0	OK
1.006	14	74	46.798	-0.163	0.000	0.13	0.0	2.0	OK
1.007	16	74	46.772	-0.161	0.000	0.18	0.0	3.9	OK
2.000	201	77	46.723	-0.155	0.000	0.03	0.0	0.8	OK
1.008	18	77	46.722	-0.120	0.000	0.30	0.0	6.3	OK
3.000	301	77	46.709	-0.141	0.000	0.02	0.0	0.7	OK
1.009	20	77	46.709	-0.077	0.000	0.35	0.0	7.7	OK
4.000	401	78	46.692	-0.035	0.000	0.02	0.0	0.7	OK
1.010	22	78	46.692	-0.013	0.000	0.52	0.0	8.1	OK
1.011	24	78	46.684	-0.002	0.000	0.38	0.0	8.3	OK
5.000	34	72	46.827	-0.190	0.000	0.04	0.0	0.6	OK
5.001	36	74	46.806	-0.182	0.000	0.08	0.0	1.8	OK
5.002	38	76	46.731	-0.167	0.000	0.15	0.0	3.3	OK
5.003	40	78	46.692	-0.129	0.000	0.20	0.0	4.3	OK
6.000	601	78	46.686	-0.107	0.000	0.04	0.0	1.2	OK
5.004	42	78	46.685	-0.068	0.000	0.26	0.0	5.3	OK
7.000	701	76	46.680	-0.051	0.000	0.08	0.0	1.1	OK
5.005	44	76	46.679	-0.030	0.000	0.28	0.0	6.2	OK
5.006	46	76	46.670	0.045	0.000	0.39	0.0	5.8	SURCHARGED
1.012	26	76	46.666	0.062	0.000	0.59	0.0	12.5	SURCHARGED

Summary Wizard of 720 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	76	46.645	0.066	0.000	0.04	0.0	1.3	SURCHARGED
1.013	28	76	46.645	0.095	0.000	0.48	0.0	10.1	SURCHARGED
9.000	901	76	46.636	0.035	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	76	46.636	0.099	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 960 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	74	46.969	-0.196	0.000	0.03	0.0	0.6	OK
1.001	4	74	46.938	-0.192	0.000	0.05	0.0	0.9	OK
1.002	6	74	46.898	-0.192	0.000	0.04	0.0	0.9	OK
1.003	8	74	46.865	-0.178	0.000	0.07	0.0	1.4	OK
1.004	10	76	46.837	-0.167	0.000	0.12	0.0	1.8	OK
1.005	12	76	46.814	-0.169	0.000	0.11	0.0	1.7	OK
1.006	14	77	46.792	-0.169	0.000	0.11	0.0	1.7	OK
1.007	16	78	46.766	-0.167	0.000	0.15	0.0	3.3	OK
2.000	201	80	46.702	-0.176	0.000	0.02	0.0	0.7	OK
1.008	18	80	46.701	-0.141	0.000	0.25	0.0	5.3	OK
3.000	301	80	46.678	-0.172	0.000	0.02	0.0	0.6	OK
1.009	20	80	46.677	-0.109	0.000	0.30	0.0	6.5	OK
4.000	401	80	46.663	-0.064	0.000	0.02	0.0	0.6	OK
1.010	22	80	46.662	-0.043	0.000	0.44	0.0	6.9	OK
1.011	24	80	46.655	-0.031	0.000	0.32	0.0	7.1	OK
5.000	34	76	46.823	-0.194	0.000	0.03	0.0	0.5	OK
5.001	36	76	46.802	-0.186	0.000	0.07	0.0	1.5	OK
5.002	38	78	46.726	-0.172	0.000	0.13	0.0	2.7	OK
5.003	40	80	46.671	-0.150	0.000	0.17	0.0	3.6	OK
6.000	601	80	46.661	-0.132	0.000	0.04	0.0	1.1	OK
5.004	42	80	46.660	-0.093	0.000	0.23	0.0	4.5	OK
7.000	701	80	46.655	-0.076	0.000	0.06	0.0	0.9	OK
5.005	44	80	46.654	-0.055	0.000	0.26	0.0	5.8	OK
5.006	46	80	46.644	0.019	0.000	0.36	0.0	5.4	SURCHARGED
1.012	26	80	46.639	0.035	0.000	0.55	0.0	11.8	SURCHARGED

Summary Wizard of 960 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	79	46.618	0.039	0.000	0.03	0.0	1.0	SURCHARGED
1.013	28	79	46.618	0.068	0.000	0.48	0.0	10.2	SURCHARGED
9.000	901	79	46.609	0.008	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	79	46.609	0.072	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 1440 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	80	46.965	-0.200	0.000	0.02	0.0	0.4	OK
1.001	4	80	46.933	-0.197	0.000	0.04	0.0	0.7	OK
1.002	6	81	46.893	-0.197	0.000	0.03	0.0	0.7	OK
1.003	8	81	46.857	-0.186	0.000	0.06	0.0	1.0	OK
1.004	10	81	46.830	-0.174	0.000	0.09	0.0	1.4	OK
1.005	12	82	46.807	-0.176	0.000	0.08	0.0	1.3	OK
1.006	14	82	46.785	-0.176	0.000	0.08	0.0	1.3	OK
1.007	16	81	46.759	-0.174	0.000	0.12	0.0	2.5	OK
2.000	201	85	46.686	-0.192	0.000	0.02	0.0	0.5	OK
1.008	18	85	46.684	-0.158	0.000	0.19	0.0	4.1	OK
3.000	301	86	46.648	-0.202	0.000	0.01	0.0	0.4	OK
1.009	20	86	46.640	-0.146	0.000	0.23	0.0	5.0	OK
4.000	401	86	46.611	-0.116	0.000	0.02	0.0	0.4	OK
1.010	22	86	46.611	-0.094	0.000	0.34	0.0	5.4	OK
1.011	24	86	46.605	-0.081	0.000	0.25	0.0	5.5	OK
5.000	34	82	46.819	-0.198	0.000	0.03	0.0	0.4	OK
5.001	36	81	46.796	-0.192	0.000	0.05	0.0	1.2	OK
5.002	38	81	46.719	-0.179	0.000	0.09	0.0	2.1	OK
5.003	40	86	46.650	-0.171	0.000	0.12	0.0	2.7	OK
6.000	601	86	46.618	-0.175	0.000	0.02	0.0	0.5	OK
5.004	42	86	46.617	-0.136	0.000	0.18	0.0	3.6	OK
7.000	701	86	46.610	-0.121	0.000	0.05	0.0	0.7	OK
5.005	44	86	46.609	-0.100	0.000	0.23	0.0	5.0	OK
5.006	46	86	46.597	-0.028	0.000	0.34	0.0	5.0	OK
1.012	26	86	46.591	-0.013	0.000	0.49	0.0	10.5	OK

Summary Wizard of 1440 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	86	46.570	-0.009	0.000	0.03	0.0	0.8	OK
1.013	28	86	46.570	0.020	0.000	0.47	0.0	9.8	SURCHARGED
9.000	901	86	46.561	-0.040	0.000	0.01	0.0	0.4	OK
1.014	30	86	46.561	0.024	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2160 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	88	46.963	-0.202	0.000	0.02	0.0	0.3	OK
1.001	4	88	46.930	-0.200	0.000	0.03	0.0	0.5	OK
1.002	6	88	46.890	-0.200	0.000	0.02	0.0	0.5	OK
1.003	8	88	46.851	-0.192	0.000	0.04	0.0	0.8	OK
1.004	10	88	46.823	-0.181	0.000	0.07	0.0	1.0	OK
1.005	12	89	46.800	-0.183	0.000	0.06	0.0	1.0	OK
1.006	14	90	46.779	-0.182	0.000	0.06	0.0	1.0	OK
1.007	16	89	46.753	-0.180	0.000	0.09	0.0	1.9	OK
2.000	201	88	46.677	-0.201	0.000	0.01	0.0	0.4	OK
1.008	18	88	46.673	-0.169	0.000	0.14	0.0	3.0	OK
3.000	301	88	46.639	-0.211	0.000	0.01	0.0	0.3	OK
1.009	20	88	46.624	-0.162	0.000	0.17	0.0	3.8	OK
4.000	401	89	46.563	-0.164	0.000	0.01	0.0	0.3	OK
1.010	22	89	46.563	-0.142	0.000	0.27	0.0	4.2	OK
1.011	24	89	46.538	-0.148	0.000	0.20	0.0	4.3	OK
5.000	34	89	46.816	-0.201	0.000	0.02	0.0	0.3	OK
5.001	36	88	46.791	-0.197	0.000	0.04	0.0	0.9	OK
5.002	38	88	46.712	-0.186	0.000	0.07	0.0	1.5	OK
5.003	40	88	46.642	-0.179	0.000	0.09	0.0	2.0	OK
6.000	601	89	46.593	-0.200	0.000	0.01	0.0	0.4	OK
5.004	42	89	46.588	-0.165	0.000	0.14	0.0	2.8	OK
7.000	701	89	46.557	-0.174	0.000	0.03	0.0	0.5	OK
5.005	44	89	46.554	-0.155	0.000	0.18	0.0	3.9	OK
5.006	46	89	46.517	-0.108	0.000	0.28	0.0	4.2	OK
1.012	26	90	46.507	-0.097	0.000	0.41	0.0	8.7	OK

Summary Wizard of 2160 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	90	46.487	-0.092	0.000	0.02	0.0	0.6	OK
1.013	28	90	46.486	-0.064	0.000	0.42	0.0	8.7	OK
9.000	901	90	46.478	-0.123	0.000	0.01	0.0	0.3	OK
1.014	30	90	46.478	-0.059	0.000	0.38	0.0	9.0	OK

Summary Wizard of 2880 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	95	46.959	-0.206	0.000	0.01	0.0	0.3	OK
1.001	4	94	46.928	-0.202	0.000	0.02	0.0	0.4	OK
1.002	6	94	46.888	-0.202	0.000	0.02	0.0	0.4	OK
1.003	8	94	46.847	-0.196	0.000	0.03	0.0	0.6	OK
1.004	10	94	46.818	-0.186	0.000	0.06	0.0	0.8	OK
1.005	12	94	46.796	-0.187	0.000	0.05	0.0	0.8	OK
1.006	14	94	46.774	-0.187	0.000	0.05	0.0	0.8	OK
1.007	16	94	46.747	-0.186	0.000	0.07	0.0	1.6	OK
2.000	201	94	46.673	-0.205	0.000	0.01	0.0	0.3	OK
1.008	18	94	46.668	-0.174	0.000	0.12	0.0	2.5	OK
3.000	301	94	46.635	-0.215	0.000	0.01	0.0	0.3	OK
1.009	20	94	46.617	-0.169	0.000	0.14	0.0	3.1	OK
4.000	401	94	46.553	-0.174	0.000	0.01	0.0	0.3	OK
1.010	22	94	46.553	-0.152	0.000	0.22	0.0	3.4	OK
1.011	24	94	46.526	-0.160	0.000	0.16	0.0	3.5	OK
5.000	34	95	46.813	-0.204	0.000	0.01	0.0	0.2	OK
5.001	36	94	46.789	-0.199	0.000	0.03	0.0	0.7	OK
5.002	38	94	46.707	-0.191	0.000	0.06	0.0	1.2	OK
5.003	40	94	46.636	-0.185	0.000	0.07	0.0	1.6	OK
6.000	601	94	46.588	-0.205	0.000	0.01	0.0	0.3	OK
5.004	42	94	46.580	-0.173	0.000	0.11	0.0	2.2	OK
7.000	701	94	46.548	-0.183	0.000	0.03	0.0	0.4	OK
5.005	44	94	46.543	-0.166	0.000	0.14	0.0	3.1	OK
5.006	46	94	46.497	-0.128	0.000	0.23	0.0	3.5	OK
1.012	26	94	46.485	-0.119	0.000	0.34	0.0	7.2	OK

Summary Wizard of 2880 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	94	46.459	-0.120	0.000	0.02	0.0	0.5	OK
1.013	28	94	46.459	-0.091	0.000	0.34	0.0	7.2	OK
9.000	901	94	46.453	-0.148	0.000	0.01	0.0	0.2	OK
1.014	30	94	46.452	-0.085	0.000	0.31	0.0	7.5	OK

Summary Wizard of 4320 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	101	46.954	-0.211	0.000	0.01	0.0	0.2	OK
1.001	4	100	46.923	-0.207	0.000	0.02	0.0	0.3	OK
1.002	6	100	46.883	-0.207	0.000	0.01	0.0	0.3	OK
1.003	8	100	46.844	-0.199	0.000	0.02	0.0	0.5	OK
1.004	10	100	46.812	-0.192	0.000	0.04	0.0	0.6	OK
1.005	12	100	46.790	-0.193	0.000	0.04	0.0	0.6	OK
1.006	14	100	46.768	-0.193	0.000	0.04	0.0	0.6	OK
1.007	16	100	46.742	-0.191	0.000	0.05	0.0	1.2	OK
2.000	201	100	46.667	-0.211	0.000	0.01	0.0	0.2	OK
1.008	18	100	46.662	-0.180	0.000	0.09	0.0	1.9	OK
3.000	301	100	46.632	-0.218	0.000	0.01	0.0	0.2	OK
1.009	20	100	46.610	-0.176	0.000	0.11	0.0	2.3	OK
4.000	401	100	46.542	-0.185	0.000	0.01	0.0	0.2	OK
1.010	22	100	46.542	-0.163	0.000	0.16	0.0	2.6	OK
1.011	24	100	46.514	-0.172	0.000	0.12	0.0	2.6	OK
5.000	34	101	46.809	-0.208	0.000	0.01	0.0	0.2	OK
5.001	36	101	46.786	-0.202	0.000	0.02	0.0	0.5	OK
5.002	38	100	46.703	-0.195	0.000	0.04	0.0	0.9	OK
5.003	40	100	46.630	-0.191	0.000	0.06	0.0	1.2	OK
6.000	601	100	46.581	-0.212	0.000	0.01	0.0	0.2	OK
5.004	42	100	46.573	-0.180	0.000	0.08	0.0	1.6	OK
7.000	701	100	46.539	-0.192	0.000	0.02	0.0	0.3	OK
5.005	44	100	46.533	-0.176	0.000	0.11	0.0	2.3	OK
5.006	46	100	46.479	-0.146	0.000	0.17	0.0	2.6	OK
1.012	26	100	46.465	-0.139	0.000	0.25	0.0	5.3	OK

Summary Wizard of 4320 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	100	46.433	-0.146	0.000	0.01	0.0	0.4	OK
1.013	28	100	46.433	-0.117	0.000	0.26	0.0	5.4	OK
9.000	901	100	46.427	-0.174	0.000	0.01	0.0	0.2	OK
1.014	30	100	46.426	-0.111	0.000	0.23	0.0	5.5	OK

Summary Wizard of 5760 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	104	46.952	-0.213	0.000	0.01	0.0	0.2	OK
1.001	4	104	46.920	-0.210	0.000	0.01	0.0	0.3	OK
1.002	6	104	46.879	-0.211	0.000	0.01	0.0	0.3	OK
1.003	8	104	46.841	-0.202	0.000	0.02	0.0	0.4	OK
1.004	10	104	46.809	-0.195	0.000	0.03	0.0	0.5	OK
1.005	12	104	46.787	-0.196	0.000	0.03	0.0	0.5	OK
1.006	14	104	46.765	-0.196	0.000	0.03	0.0	0.5	OK
1.007	16	104	46.738	-0.195	0.000	0.04	0.0	1.0	OK
2.000	201	104	46.663	-0.215	0.000	0.01	0.0	0.2	OK
1.008	18	104	46.656	-0.186	0.000	0.07	0.0	1.5	OK
3.000	301	104	46.630	-0.220	0.000	0.00	0.0	0.2	OK
1.009	20	104	46.605	-0.181	0.000	0.09	0.0	1.9	OK
4.000	401	104	46.536	-0.191	0.000	0.01	0.0	0.2	OK
1.010	22	104	46.536	-0.169	0.000	0.13	0.0	2.1	OK
1.011	24	104	46.508	-0.178	0.000	0.10	0.0	2.1	OK
5.000	34	105	46.805	-0.212	0.000	0.01	0.0	0.1	OK
5.001	36	105	46.783	-0.205	0.000	0.02	0.0	0.4	OK
5.002	38	105	46.700	-0.198	0.000	0.03	0.0	0.7	OK
5.003	40	105	46.627	-0.194	0.000	0.05	0.0	1.0	OK
6.000	601	104	46.577	-0.216	0.000	0.01	0.0	0.2	OK
5.004	42	104	46.567	-0.186	0.000	0.06	0.0	1.3	OK
7.000	701	104	46.535	-0.196	0.000	0.02	0.0	0.3	OK
5.005	44	104	46.528	-0.181	0.000	0.09	0.0	1.9	OK
5.006	46	104	46.469	-0.156	0.000	0.14	0.0	2.1	OK
1.012	26	104	46.454	-0.150	0.000	0.20	0.0	4.3	OK

Summary Wizard of 5760 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	104	46.419	-0.160	0.000	0.01	0.0	0.3	OK
1.013	28	104	46.419	-0.131	0.000	0.20	0.0	4.3	OK
9.000	901	104	46.413	-0.188	0.000	0.00	0.0	0.1	OK
1.014	30	104	46.412	-0.125	0.000	0.19	0.0	4.4	OK

Summary Wizard of 7200 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	108	46.950	-0.215	0.000	0.01	0.0	0.1	OK
1.001	4	108	46.918	-0.212	0.000	0.01	0.0	0.2	OK
1.002	6	108	46.877	-0.213	0.000	0.01	0.0	0.2	OK
1.003	8	108	46.840	-0.203	0.000	0.02	0.0	0.3	OK
1.004	10	108	46.807	-0.197	0.000	0.03	0.0	0.4	OK
1.005	12	108	46.785	-0.198	0.000	0.03	0.0	0.4	OK
1.006	14	108	46.763	-0.198	0.000	0.03	0.0	0.4	OK
1.007	16	108	46.736	-0.197	0.000	0.04	0.0	0.8	OK
2.000	201	108	46.661	-0.217	0.000	0.01	0.0	0.2	OK
1.008	18	108	46.653	-0.189	0.000	0.06	0.0	1.3	OK
3.000	301	108	46.629	-0.221	0.000	0.00	0.0	0.1	OK
1.009	20	108	46.601	-0.185	0.000	0.07	0.0	1.6	OK
4.000	401	108	46.532	-0.195	0.000	0.00	0.0	0.1	OK
1.010	22	108	46.532	-0.173	0.000	0.11	0.0	1.8	OK
1.011	24	108	46.504	-0.182	0.000	0.08	0.0	1.8	OK
5.000	34	108	46.803	-0.214	0.000	0.01	0.0	0.1	OK
5.001	36	108	46.780	-0.208	0.000	0.02	0.0	0.4	OK
5.002	38	108	46.698	-0.200	0.000	0.03	0.0	0.6	OK
5.003	40	108	46.624	-0.197	0.000	0.04	0.0	0.8	OK
6.000	601	108	46.574	-0.219	0.000	0.00	0.0	0.1	OK
5.004	42	108	46.563	-0.190	0.000	0.05	0.0	1.1	OK
7.000	701	108	46.532	-0.199	0.000	0.01	0.0	0.2	OK
5.005	44	108	46.523	-0.186	0.000	0.07	0.0	1.6	OK
5.006	46	108	46.463	-0.162	0.000	0.12	0.0	1.8	OK
1.012	26	108	46.447	-0.157	0.000	0.17	0.0	3.7	OK

Summary Wizard of 7200 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	108	46.410	-0.169	0.000	0.01	0.0	0.2	OK
1.013	28	108	46.410	-0.140	0.000	0.17	0.0	3.6	OK
9.000	901	108	46.403	-0.198	0.000	0.00	0.0	0.1	OK
1.014	30	108	46.403	-0.134	0.000	0.15	0.0	3.7	OK

Summary Wizard of 8640 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	109	46.949	-0.216	0.000	0.01	0.0	0.1	OK
1.001	4	109	46.916	-0.214	0.000	0.01	0.0	0.2	OK
1.002	6	109	46.876	-0.214	0.000	0.01	0.0	0.2	OK
1.003	8	109	46.837	-0.206	0.000	0.01	0.0	0.3	OK
1.004	10	109	46.805	-0.199	0.000	0.03	0.0	0.4	OK
1.005	12	109	46.784	-0.199	0.000	0.02	0.0	0.4	OK
1.006	14	109	46.762	-0.199	0.000	0.02	0.0	0.4	OK
1.007	16	109	46.734	-0.199	0.000	0.03	0.0	0.7	OK
2.000	201	109	46.660	-0.218	0.000	0.00	0.0	0.1	OK
1.008	18	109	46.650	-0.192	0.000	0.05	0.0	1.1	OK
3.000	301	109	46.629	-0.221	0.000	0.00	0.0	0.1	OK
1.009	20	109	46.598	-0.188	0.000	0.06	0.0	1.4	OK
4.000	401	109	46.529	-0.198	0.000	0.00	0.0	0.1	OK
1.010	22	109	46.528	-0.177	0.000	0.10	0.0	1.5	OK
1.011	24	109	46.501	-0.185	0.000	0.07	0.0	1.6	OK
5.000	34	109	46.802	-0.215	0.000	0.01	0.0	0.1	OK
5.001	36	109	46.778	-0.210	0.000	0.01	0.0	0.3	OK
5.002	38	109	46.697	-0.201	0.000	0.03	0.0	0.6	OK
5.003	40	109	46.623	-0.198	0.000	0.03	0.0	0.7	OK
6.000	601	109	46.573	-0.220	0.000	0.00	0.0	0.1	OK
5.004	42	109	46.560	-0.193	0.000	0.05	0.0	0.9	OK
7.000	701	109	46.530	-0.201	0.000	0.01	0.0	0.2	OK
5.005	44	109	46.520	-0.189	0.000	0.06	0.0	1.4	OK
5.006	46	109	46.457	-0.168	0.000	0.10	0.0	1.5	OK
1.012	26	109	46.441	-0.163	0.000	0.15	0.0	3.2	OK

Summary Wizard of 8640 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	109	46.403	-0.176	0.000	0.01	0.0	0.2	OK
1.013	28	109	46.403	-0.147	0.000	0.15	0.0	3.0	OK
9.000	901	109	46.397	-0.204	0.000	0.00	0.0	0.1	OK
1.014	30	109	46.396	-0.141	0.000	0.13	0.0	3.2	OK

Summary Wizard of 10080 minute 1 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	111	46.948	-0.217	0.000	0.01	0.0	0.1	OK
1.001	4	111	46.915	-0.215	0.000	0.01	0.0	0.2	OK
1.002	6	111	46.874	-0.216	0.000	0.01	0.0	0.2	OK
1.003	8	111	46.835	-0.208	0.000	0.01	0.0	0.3	OK
1.004	10	111	46.804	-0.200	0.000	0.02	0.0	0.3	OK
1.005	12	111	46.783	-0.200	0.000	0.02	0.0	0.3	OK
1.006	14	111	46.761	-0.200	0.000	0.02	0.0	0.3	OK
1.007	16	111	46.733	-0.200	0.000	0.03	0.0	0.6	OK
2.000	201	111	46.659	-0.219	0.000	0.00	0.0	0.1	OK
1.008	18	111	46.648	-0.194	0.000	0.05	0.0	1.0	OK
3.000	301	111	46.628	-0.222	0.000	0.00	0.0	0.1	OK
1.009	20	111	46.596	-0.190	0.000	0.06	0.0	1.3	OK
4.000	401	111	46.526	-0.201	0.000	0.00	0.0	0.1	OK
1.010	22	111	46.526	-0.179	0.000	0.09	0.0	1.4	OK
1.011	24	111	46.498	-0.188	0.000	0.07	0.0	1.4	OK
5.000	34	111	46.800	-0.217	0.000	0.01	0.0	0.1	OK
5.001	36	111	46.776	-0.212	0.000	0.01	0.0	0.3	OK
5.002	38	111	46.696	-0.202	0.000	0.02	0.0	0.5	OK
5.003	40	111	46.621	-0.200	0.000	0.03	0.0	0.6	OK
6.000	601	111	46.572	-0.221	0.000	0.00	0.0	0.1	OK
5.004	42	111	46.558	-0.195	0.000	0.04	0.0	0.8	OK
7.000	701	111	46.528	-0.203	0.000	0.01	0.0	0.2	OK
5.005	44	111	46.518	-0.191	0.000	0.06	0.0	1.2	OK
5.006	46	111	46.454	-0.171	0.000	0.09	0.0	1.4	OK
1.012	26	111	46.437	-0.167	0.000	0.13	0.0	2.9	OK

Summary Wizard of 10080 minute 1 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	111	46.398	-0.181	0.000	0.01	0.0	0.2	OK
1.013	28	111	46.398	-0.152	0.000	0.13	0.0	2.7	OK
9.000	901	111	46.392	-0.209	0.000	0.00	0.0	0.1	OK
1.014	30	111	46.391	-0.146	0.000	0.12	0.0	2.8	OK

Summary Wizard of 15 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	27	47.204	0.039	0.000	0.70	0.0	12.5	SURCHARGED
1.001	4	29	47.180	0.050	0.000	0.96	0.0	18.3	SURCHARGED
1.002	6	34	47.143	0.053	0.000	0.89	0.0	18.5	SURCHARGED
1.003	8	37	47.104	0.061	0.000	1.36	0.0	25.7	SURCHARGED
1.004	10	40	47.073	0.069	0.000	2.20	0.0	32.3	SURCHARGED
1.005	12	41	47.066	0.083	0.000	0.67	0.0	10.2	SURCHARGED
1.006	14	38	47.082	0.121	0.000	0.67	0.0	10.4	SURCHARGED
1.007	16	24	47.217	0.284	0.000	0.66	0.0	14.6	SURCHARGED
2.000	201	24	47.219	0.341	0.000	0.72	0.0	21.6	SURCHARGED
1.008	18	24	47.209	0.367	0.000	1.93	0.0	41.4	SURCHARGED
3.000	301	41	47.020	0.170	0.000	0.27	0.0	9.6	SURCHARGED
1.009	20	41	47.017	0.231	0.000	1.29	0.0	28.2	SURCHARGED
4.000	401	47	46.955	0.228	0.000	0.49	0.0	13.5	SURCHARGED
1.010	22	48	46.944	0.239	0.000	2.35	0.0	36.8	SURCHARGED
1.011	24	50	46.896	0.210	0.000	1.42	0.0	30.9	SURCHARGED
5.000	34	36	46.982	-0.035	0.000	0.50	0.0	7.9	OK
5.001	36	25	47.101	0.113	0.000	0.53	0.0	11.7	SURCHARGED
5.002	38	25	47.115	0.217	0.000	1.55	0.0	33.8	SURCHARGED
5.003	40	50	46.878	0.057	0.000	1.12	0.0	24.1	SURCHARGED
6.000	601	53	46.818	0.025	0.000	0.03	0.0	0.9	SURCHARGED
5.004	42	53	46.820	0.067	0.000	1.50	0.0	30.2	SURCHARGED
7.000	701	53	46.804	0.073	0.000	1.41	0.0	21.2	SURCHARGED
5.005	44	53	46.806	0.097	0.000	0.65	0.0	14.3	SURCHARGED
5.006	46	53	46.812	0.187	0.000	0.87	0.0	13.0	SURCHARGED
1.012	26	52	46.818	0.214	0.000	1.78	0.0	37.9	SURCHARGED

Summary Wizard of 15 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	53	46.787	0.208	0.000	0.80	0.0	23.6	SURCHARGED
1.013	28	53	46.787	0.237	0.000	0.71	0.0	14.8	SURCHARGED
9.000	901	53	46.777	0.176	0.000	0.33	0.0	11.5	SURCHARGED
1.014	30	53	46.778	0.241	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	30	47.184	0.019	0.000	0.63	0.0	11.3	SURCHARGED
1.001	4	33	47.162	0.032	0.000	0.89	0.0	17.1	SURCHARGED
1.002	6	33	47.146	0.056	0.000	0.79	0.0	16.6	SURCHARGED
1.003	8	32	47.134	0.091	0.000	1.28	0.0	24.2	SURCHARGED
1.004	10	33	47.123	0.119	0.000	2.11	0.0	31.0	SURCHARGED
1.005	12	33	47.115	0.132	0.000	0.56	0.0	8.6	SURCHARGED
1.006	14	33	47.107	0.146	0.000	0.56	0.0	8.7	SURCHARGED
1.007	16	25	47.188	0.255	0.000	0.49	0.0	10.7	SURCHARGED
2.000	201	25	47.193	0.315	0.000	0.60	0.0	17.9	SURCHARGED
1.008	18	25	47.187	0.345	0.000	1.80	0.0	38.6	SURCHARGED
3.000	301	38	47.032	0.182	0.000	0.25	0.0	8.6	SURCHARGED
1.009	20	38	47.029	0.243	0.000	1.18	0.0	25.6	SURCHARGED
4.000	401	44	46.965	0.238	0.000	0.42	0.0	11.7	SURCHARGED
1.010	22	44	46.964	0.259	0.000	2.15	0.0	33.7	SURCHARGED
1.011	24	46	46.940	0.254	0.000	1.39	0.0	30.4	SURCHARGED
5.000	34	31	46.996	-0.021	0.000	0.47	0.0	7.4	OK
5.001	36	27	47.070	0.082	0.000	0.55	0.0	12.1	SURCHARGED
5.002	38	27	47.048	0.150	0.000	1.46	0.0	31.9	SURCHARGED
5.003	40	49	46.887	0.066	0.000	1.05	0.0	22.6	SURCHARGED
6.000	601	49	46.863	0.070	0.000	0.05	0.0	1.3	SURCHARGED
5.004	42	49	46.864	0.111	0.000	1.48	0.0	29.8	SURCHARGED
7.000	701	49	46.860	0.129	0.000	1.25	0.0	18.9	SURCHARGED
5.005	44	49	46.863	0.154	0.000	0.64	0.0	13.9	SURCHARGED
5.006	46	48	46.879	0.254	0.000	0.71	0.0	10.7	SURCHARGED
1.012	26	47	46.892	0.288	0.000	1.70	0.0	36.2	SURCHARGED

Summary Wizard of 30 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	48	46.867	0.288	0.000	0.68	0.0	20.3	SURCHARGED
1.013	28	48	46.867	0.317	0.000	0.91	0.0	19.1	SURCHARGED
9.000	901	48	46.857	0.256	0.000	0.27	0.0	9.4	SURCHARGED
1.014	30	48	46.859	0.322	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 60 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	31	47.183	0.018	0.000	0.48	0.0	8.6	SURCHARGED
1.001	4	30	47.176	0.046	0.000	0.66	0.0	12.7	SURCHARGED
1.002	6	29	47.166	0.076	0.000	0.56	0.0	11.6	SURCHARGED
1.003	8	29	47.155	0.112	0.000	0.91	0.0	17.3	SURCHARGED
1.004	10	29	47.143	0.139	0.000	1.56	0.0	22.9	SURCHARGED
1.005	12	29	47.134	0.151	0.000	0.42	0.0	6.4	SURCHARGED
1.006	14	30	47.125	0.164	0.000	0.42	0.0	6.5	SURCHARGED
1.007	16	32	47.129	0.196	0.000	0.51	0.0	11.1	SURCHARGED
2.000	201	29	47.125	0.247	0.000	0.34	0.0	10.3	SURCHARGED
1.008	18	31	47.118	0.276	0.000	1.49	0.0	31.9	SURCHARGED
3.000	301	35	47.045	0.195	0.000	0.17	0.0	6.1	SURCHARGED
1.009	20	35	47.044	0.258	0.000	1.09	0.0	23.8	SURCHARGED
4.000	401	35	47.010	0.283	0.000	0.31	0.0	8.6	SURCHARGED
1.010	22	35	47.009	0.304	0.000	1.91	0.0	30.0	SURCHARGED
1.011	24	36	46.993	0.307	0.000	1.31	0.0	28.6	SURCHARGED
5.000	34	38	46.979	-0.038	0.000	0.33	0.0	5.2	OK
5.001	36	31	47.025	0.037	0.000	0.48	0.0	10.4	SURCHARGED
5.002	38	33	46.995	0.097	0.000	1.25	0.0	27.3	SURCHARGED
5.003	40	44	46.909	0.088	0.000	1.06	0.0	22.8	SURCHARGED
6.000	601	44	46.905	0.112	0.000	0.07	0.0	2.0	SURCHARGED
5.004	42	44	46.907	0.154	0.000	1.37	0.0	27.6	SURCHARGED
7.000	701	44	46.907	0.176	0.000	0.91	0.0	13.7	SURCHARGED
5.005	44	44	46.909	0.200	0.000	0.58	0.0	12.7	SURCHARGED
5.006	46	42	46.936	0.311	0.000	0.70	0.0	10.5	SURCHARGED
1.012	26	38	46.955	0.351	0.000	1.32	0.0	28.1	SURCHARGED

Summary Wizard of 60 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	38	46.940	0.361	0.000	0.51	0.0	15.2	SURCHARGED
1.013	28	38	46.939	0.389	0.000	1.11	0.0	23.2	SURCHARGED
9.000	901	38	46.931	0.330	0.000	0.11	0.0	3.8	SURCHARGED
1.014	30	38	46.931	0.394	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 120 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	33	47.170	0.005	0.000	0.31	0.0	5.6	SURCHARGED
1.001	4	32	47.165	0.035	0.000	0.40	0.0	7.8	SURCHARGED
1.002	6	30	47.157	0.067	0.000	0.31	0.0	6.4	SURCHARGED
1.003	8	30	47.150	0.107	0.000	0.52	0.0	9.8	SURCHARGED
1.004	10	30	47.140	0.136	0.000	0.89	0.0	13.1	SURCHARGED
1.005	12	30	47.132	0.149	0.000	0.36	0.0	5.5	SURCHARGED
1.006	14	31	47.124	0.163	0.000	0.35	0.0	5.5	SURCHARGED
1.007	16	34	47.115	0.182	0.000	0.47	0.0	10.4	SURCHARGED
2.000	201	34	47.086	0.208	0.000	0.20	0.0	6.1	SURCHARGED
1.008	18	34	47.085	0.243	0.000	1.11	0.0	23.7	SURCHARGED
3.000	301	30	47.056	0.206	0.000	0.12	0.0	4.2	SURCHARGED
1.009	20	30	47.055	0.269	0.000	0.96	0.0	21.0	SURCHARGED
4.000	401	32	47.023	0.296	0.000	0.20	0.0	5.7	SURCHARGED
1.010	22	32	47.023	0.318	0.000	1.66	0.0	26.1	SURCHARGED
1.011	24	32	47.008	0.322	0.000	1.14	0.0	24.9	SURCHARGED
5.000	34	43	46.957	-0.060	0.000	0.19	0.0	3.0	OK
5.001	36	44	46.952	-0.036	0.000	0.39	0.0	8.5	OK
5.002	38	44	46.948	0.050	0.000	0.89	0.0	19.4	SURCHARGED
5.003	40	38	46.943	0.122	0.000	0.94	0.0	20.3	SURCHARGED
6.000	601	37	46.945	0.152	0.000	0.02	0.0	0.5	SURCHARGED
5.004	42	37	46.945	0.192	0.000	1.11	0.0	22.3	SURCHARGED
7.000	701	35	46.946	0.215	0.000	0.50	0.0	7.6	SURCHARGED
5.005	44	35	46.948	0.239	0.000	0.49	0.0	10.8	SURCHARGED
5.006	46	35	46.966	0.341	0.000	0.60	0.0	9.0	SURCHARGED
1.012	26	33	46.976	0.372	0.000	1.01	0.0	21.5	SURCHARGED

Summary Wizard of 120 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	33	46.960	0.381	0.000	0.34	0.0	10.1	SURCHARGED
1.013	28	33	46.959	0.409	0.000	1.12	0.0	23.5	SURCHARGED
9.000	901	33	46.952	0.351	0.000	0.04	0.0	1.3	SURCHARGED
1.014	30	33	46.951	0.414	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 180 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	35	47.150	-0.015	0.000	0.24	0.0	4.3	OK
1.001	4	35	47.146	0.016	0.000	0.31	0.0	6.0	SURCHARGED
1.002	6	35	47.140	0.050	0.000	0.24	0.0	5.1	SURCHARGED
1.003	8	33	47.134	0.091	0.000	0.39	0.0	7.4	SURCHARGED
1.004	10	32	47.126	0.122	0.000	0.67	0.0	9.9	SURCHARGED
1.005	12	32	47.119	0.136	0.000	0.31	0.0	4.7	SURCHARGED
1.006	14	32	47.112	0.151	0.000	0.30	0.0	4.7	SURCHARGED
1.007	16	35	47.104	0.171	0.000	0.43	0.0	9.4	SURCHARGED
2.000	201	35	47.079	0.201	0.000	0.16	0.0	4.9	SURCHARGED
1.008	18	35	47.078	0.236	0.000	0.93	0.0	19.9	SURCHARGED
3.000	301	33	47.052	0.202	0.000	0.10	0.0	3.5	SURCHARGED
1.009	20	32	47.051	0.265	0.000	0.92	0.0	20.2	SURCHARGED
4.000	401	33	47.022	0.295	0.000	0.16	0.0	4.3	SURCHARGED
1.010	22	33	47.022	0.317	0.000	1.55	0.0	24.3	SURCHARGED
1.011	24	33	47.008	0.322	0.000	1.05	0.0	22.8	SURCHARGED
5.000	34	41	46.963	-0.054	0.000	0.12	0.0	2.0	OK
5.001	36	41	46.963	-0.025	0.000	0.32	0.0	7.1	OK
5.002	38	40	46.961	0.063	0.000	0.69	0.0	15.1	SURCHARGED
5.003	40	35	46.957	0.136	0.000	0.83	0.0	17.9	SURCHARGED
6.000	601	32	46.957	0.164	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	32	46.957	0.204	0.000	0.88	0.0	17.8	SURCHARGED
7.000	701	32	46.957	0.226	0.000	0.36	0.0	5.5	SURCHARGED
5.005	44	32	46.957	0.248	0.000	0.40	0.0	8.7	SURCHARGED
5.006	46	33	46.966	0.341	0.000	0.49	0.0	7.3	SURCHARGED
1.012	26	32	46.976	0.372	0.000	0.90	0.0	19.1	SURCHARGED

Summary Wizard of 180 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	32	46.960	0.381	0.000	0.26	0.0	7.8	SURCHARGED
1.013	28	32	46.959	0.409	0.000	1.02	0.0	21.5	SURCHARGED
9.000	901	32	46.952	0.351	0.000	0.03	0.0	0.9	SURCHARGED
1.014	30	32	46.952	0.415	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 240 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	36	47.131	-0.034	0.000	0.20	0.0	3.5	OK
1.001	4	36	47.127	-0.003	0.000	0.26	0.0	5.0	OK
1.002	6	36	47.122	0.032	0.000	0.21	0.0	4.3	SURCHARGED
1.003	8	35	47.117	0.074	0.000	0.32	0.0	6.1	SURCHARGED
1.004	10	35	47.110	0.106	0.000	0.55	0.0	8.1	SURCHARGED
1.005	12	35	47.104	0.121	0.000	0.27	0.0	4.1	SURCHARGED
1.006	14	35	47.098	0.137	0.000	0.26	0.0	4.1	SURCHARGED
1.007	16	36	47.091	0.158	0.000	0.39	0.0	8.6	SURCHARGED
2.000	201	38	47.068	0.190	0.000	0.14	0.0	4.1	SURCHARGED
1.008	18	38	47.067	0.225	0.000	0.79	0.0	16.9	SURCHARGED
3.000	301	36	47.044	0.194	0.000	0.09	0.0	3.1	SURCHARGED
1.009	20	36	47.043	0.257	0.000	0.89	0.0	19.3	SURCHARGED
4.000	401	34	47.016	0.289	0.000	0.13	0.0	3.5	SURCHARGED
1.010	22	34	47.015	0.310	0.000	1.46	0.0	22.9	SURCHARGED
1.011	24	34	47.002	0.316	0.000	0.97	0.0	21.1	SURCHARGED
5.000	34	40	46.964	-0.053	0.000	0.10	0.0	1.5	OK
5.001	36	40	46.963	-0.025	0.000	0.28	0.0	6.1	OK
5.002	38	39	46.961	0.063	0.000	0.57	0.0	12.4	SURCHARGED
5.003	40	34	46.957	0.136	0.000	0.71	0.0	15.4	SURCHARGED
6.000	601	34	46.956	0.163	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	34	46.956	0.203	0.000	0.75	0.0	15.0	SURCHARGED
7.000	701	33	46.955	0.224	0.000	0.28	0.0	4.3	SURCHARGED
5.005	44	33	46.955	0.246	0.000	0.35	0.0	7.6	SURCHARGED
5.006	46	36	46.963	0.338	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	35	46.972	0.368	0.000	0.82	0.0	17.4	SURCHARGED

Summary Wizard of 240 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	35	46.957	0.378	0.000	0.21	0.0	6.3	SURCHARGED
1.013	28	35	46.956	0.406	0.000	0.92	0.0	19.4	SURCHARGED
9.000	901	35	46.949	0.348	0.000	0.02	0.0	0.8	SURCHARGED
1.014	30	35	46.949	0.412	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 360 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	39	47.097	-0.068	0.000	0.15	0.0	2.6	OK
1.001	4	39	47.094	-0.036	0.000	0.20	0.0	3.9	OK
1.002	6	39	47.090	0.000	0.000	0.17	0.0	3.5	SURCHARGED
1.003	8	40	47.086	0.043	0.000	0.26	0.0	4.9	SURCHARGED
1.004	10	39	47.080	0.076	0.000	0.42	0.0	6.2	SURCHARGED
1.005	12	39	47.075	0.092	0.000	0.22	0.0	3.4	SURCHARGED
1.006	14	40	47.070	0.109	0.000	0.22	0.0	3.4	SURCHARGED
1.007	16	40	47.064	0.131	0.000	0.33	0.0	7.3	SURCHARGED
2.000	201	40	47.045	0.167	0.000	0.10	0.0	3.1	SURCHARGED
1.008	18	40	47.045	0.203	0.000	0.62	0.0	13.3	SURCHARGED
3.000	301	40	47.024	0.174	0.000	0.07	0.0	2.5	SURCHARGED
1.009	20	40	47.023	0.237	0.000	0.80	0.0	17.4	SURCHARGED
4.000	401	37	46.998	0.271	0.000	0.09	0.0	2.6	SURCHARGED
1.010	22	37	46.998	0.293	0.000	1.30	0.0	20.3	SURCHARGED
1.011	24	37	46.986	0.300	0.000	0.86	0.0	18.7	SURCHARGED
5.000	34	44	46.954	-0.063	0.000	0.07	0.0	1.2	OK
5.001	36	43	46.954	-0.034	0.000	0.22	0.0	4.8	OK
5.002	38	43	46.951	0.053	0.000	0.43	0.0	9.4	SURCHARGED
5.003	40	37	46.947	0.126	0.000	0.56	0.0	12.2	SURCHARGED
6.000	601	35	46.946	0.153	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	35	46.946	0.193	0.000	0.60	0.0	12.1	SURCHARGED
7.000	701	36	46.945	0.214	0.000	0.21	0.0	3.2	SURCHARGED
5.005	44	36	46.945	0.236	0.000	0.32	0.0	7.0	SURCHARGED
5.006	46	38	46.952	0.327	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	37	46.959	0.355	0.000	0.73	0.0	15.5	SURCHARGED

Summary Wizard of 360 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	37	46.944	0.365	0.000	0.16	0.0	4.7	SURCHARGED
1.013	28	37	46.943	0.393	0.000	0.82	0.0	17.1	SURCHARGED
9.000	901	37	46.936	0.335	0.000	0.02	0.0	0.7	SURCHARGED
1.014	30	37	46.935	0.398	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 480 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	42	47.070	-0.095	0.000	0.12	0.0	2.1	OK
1.001	4	42	47.068	-0.062	0.000	0.17	0.0	3.2	OK
1.002	6	42	47.064	-0.026	0.000	0.14	0.0	3.0	OK
1.003	8	42	47.061	0.018	0.000	0.22	0.0	4.2	SURCHARGED
1.004	10	42	47.056	0.052	0.000	0.36	0.0	5.2	SURCHARGED
1.005	12	42	47.052	0.069	0.000	0.20	0.0	3.0	SURCHARGED
1.006	14	42	47.047	0.086	0.000	0.19	0.0	3.0	SURCHARGED
1.007	16	42	47.042	0.109	0.000	0.29	0.0	6.3	SURCHARGED
2.000	201	42	47.026	0.148	0.000	0.08	0.0	2.4	SURCHARGED
1.008	18	42	47.025	0.183	0.000	0.53	0.0	11.3	SURCHARGED
3.000	301	42	47.006	0.156	0.000	0.05	0.0	1.9	SURCHARGED
1.009	20	42	47.005	0.219	0.000	0.70	0.0	15.3	SURCHARGED
4.000	401	41	46.982	0.255	0.000	0.07	0.0	2.0	SURCHARGED
1.010	22	41	46.982	0.277	0.000	1.13	0.0	17.7	SURCHARGED
1.011	24	41	46.971	0.285	0.000	0.78	0.0	16.9	SURCHARGED
5.000	34	46	46.945	-0.072	0.000	0.07	0.0	1.1	OK
5.001	36	46	46.944	-0.044	0.000	0.19	0.0	4.2	OK
5.002	38	46	46.942	0.044	0.000	0.35	0.0	7.7	SURCHARGED
5.003	40	41	46.938	0.117	0.000	0.48	0.0	10.4	SURCHARGED
6.000	601	40	46.936	0.143	0.000	0.05	0.0	1.6	SURCHARGED
5.004	42	40	46.936	0.183	0.000	0.52	0.0	10.4	SURCHARGED
7.000	701	41	46.935	0.204	0.000	0.18	0.0	2.7	SURCHARGED
5.005	44	41	46.935	0.226	0.000	0.30	0.0	6.6	SURCHARGED
5.006	46	39	46.940	0.315	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	40	46.945	0.341	0.000	0.67	0.0	14.2	SURCHARGED

Summary Wizard of 480 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	40	46.929	0.350	0.000	0.12	0.0	3.7	SURCHARGED
1.013	28	40	46.928	0.378	0.000	0.72	0.0	15.1	SURCHARGED
9.000	901	40	46.921	0.320	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	40	46.920	0.383	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 600 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	44	47.048	-0.117	0.000	0.10	0.0	1.8	OK
1.001	4	44	47.046	-0.084	0.000	0.14	0.0	2.8	OK
1.002	6	44	47.043	-0.047	0.000	0.13	0.0	2.6	OK
1.003	8	44	47.040	-0.003	0.000	0.20	0.0	3.7	OK
1.004	10	44	47.036	0.032	0.000	0.32	0.0	4.7	SURCHARGED
1.005	12	44	47.032	0.049	0.000	0.18	0.0	2.7	SURCHARGED
1.006	14	44	47.028	0.067	0.000	0.17	0.0	2.7	SURCHARGED
1.007	16	44	47.024	0.091	0.000	0.26	0.0	5.7	SURCHARGED
2.000	201	45	47.009	0.131	0.000	0.07	0.0	2.0	SURCHARGED
1.008	18	45	47.008	0.166	0.000	0.47	0.0	10.1	SURCHARGED
3.000	301	45	46.990	0.140	0.000	0.05	0.0	1.6	SURCHARGED
1.009	20	45	46.990	0.204	0.000	0.63	0.0	13.7	SURCHARGED
4.000	401	42	46.967	0.240	0.000	0.06	0.0	1.8	SURCHARGED
1.010	22	42	46.967	0.262	0.000	1.00	0.0	15.7	SURCHARGED
1.011	24	42	46.956	0.270	0.000	0.71	0.0	15.4	SURCHARGED
5.000	34	47	46.936	-0.081	0.000	0.07	0.0	1.0	OK
5.001	36	47	46.935	-0.053	0.000	0.17	0.0	3.7	OK
5.002	38	47	46.933	0.035	0.000	0.31	0.0	6.8	SURCHARGED
5.003	40	42	46.928	0.107	0.000	0.42	0.0	9.1	SURCHARGED
6.000	601	42	46.927	0.134	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	42	46.927	0.174	0.000	0.46	0.0	9.3	SURCHARGED
7.000	701	42	46.925	0.194	0.000	0.15	0.0	2.3	SURCHARGED
5.005	44	42	46.925	0.216	0.000	0.29	0.0	6.4	SURCHARGED
5.006	46	43	46.928	0.303	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	43	46.932	0.328	0.000	0.62	0.0	13.2	SURCHARGED

Summary Wizard of 600 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	43	46.915	0.336	0.000	0.11	0.0	3.1	SURCHARGED
1.013	28	43	46.914	0.364	0.000	0.68	0.0	14.2	SURCHARGED
9.000	901	43	46.906	0.305	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	43	46.906	0.369	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 720 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	50	47.030	-0.135	0.000	0.09	0.0	1.6	OK
1.001	4	47	47.028	-0.102	0.000	0.13	0.0	2.4	OK
1.002	6	47	47.025	-0.065	0.000	0.11	0.0	2.3	OK
1.003	8	47	47.023	-0.020	0.000	0.18	0.0	3.4	OK
1.004	10	47	47.019	0.015	0.000	0.29	0.0	4.2	SURCHARGED
1.005	12	47	47.015	0.032	0.000	0.17	0.0	2.6	SURCHARGED
1.006	14	47	47.012	0.051	0.000	0.17	0.0	2.6	SURCHARGED
1.007	16	47	47.007	0.074	0.000	0.25	0.0	5.4	SURCHARGED
2.000	201	47	46.994	0.116	0.000	0.06	0.0	1.8	SURCHARGED
1.008	18	47	46.993	0.151	0.000	0.42	0.0	8.9	SURCHARGED
3.000	301	47	46.977	0.127	0.000	0.04	0.0	1.4	SURCHARGED
1.009	20	47	46.976	0.190	0.000	0.56	0.0	12.2	SURCHARGED
4.000	401	48	46.954	0.227	0.000	0.06	0.0	1.5	SURCHARGED
1.010	22	47	46.954	0.249	0.000	0.89	0.0	13.9	SURCHARGED
1.011	24	45	46.943	0.257	0.000	0.65	0.0	14.1	SURCHARGED
5.000	34	48	46.926	-0.091	0.000	0.06	0.0	1.0	OK
5.001	36	48	46.926	-0.062	0.000	0.16	0.0	3.4	OK
5.002	38	48	46.923	0.025	0.000	0.28	0.0	6.1	SURCHARGED
5.003	40	43	46.918	0.097	0.000	0.38	0.0	8.1	SURCHARGED
6.000	601	43	46.917	0.124	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	43	46.917	0.164	0.000	0.42	0.0	8.5	SURCHARGED
7.000	701	43	46.915	0.184	0.000	0.14	0.0	2.1	SURCHARGED
5.005	44	43	46.915	0.206	0.000	0.29	0.0	6.3	SURCHARGED
5.006	46	44	46.917	0.292	0.000	0.46	0.0	6.8	SURCHARGED
1.012	26	45	46.919	0.315	0.000	0.60	0.0	12.7	SURCHARGED

Summary Wizard of 720 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	44	46.902	0.323	0.000	0.09	0.0	2.7	SURCHARGED
1.013	28	44	46.901	0.351	0.000	0.62	0.0	13.0	SURCHARGED
9.000	901	44	46.893	0.292	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	44	46.893	0.356	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 960 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	58	46.994	-0.171	0.000	0.07	0.0	1.2	OK
1.001	4	54	46.990	-0.140	0.000	0.10	0.0	2.0	OK
1.002	6	49	46.988	-0.102	0.000	0.09	0.0	1.9	OK
1.003	8	49	46.986	-0.057	0.000	0.15	0.0	2.8	OK
1.004	10	49	46.983	-0.021	0.000	0.24	0.0	3.6	OK
1.005	12	49	46.980	-0.003	0.000	0.15	0.0	2.4	OK
1.006	14	49	46.977	0.016	0.000	0.15	0.0	2.4	SURCHARGED
1.007	16	49	46.974	0.041	0.000	0.23	0.0	5.0	SURCHARGED
2.000	201	49	46.962	0.084	0.000	0.05	0.0	1.4	SURCHARGED
1.008	18	49	46.962	0.120	0.000	0.37	0.0	7.9	SURCHARGED
3.000	301	49	46.948	0.098	0.000	0.03	0.0	1.2	SURCHARGED
1.009	20	50	46.947	0.161	0.000	0.46	0.0	10.1	SURCHARGED
4.000	401	50	46.925	0.198	0.000	0.04	0.0	1.2	SURCHARGED
1.010	22	50	46.925	0.220	0.000	0.73	0.0	11.5	SURCHARGED
1.011	24	48	46.915	0.229	0.000	0.55	0.0	11.9	SURCHARGED
5.000	34	50	46.906	-0.111	0.000	0.06	0.0	0.9	OK
5.001	36	50	46.905	-0.083	0.000	0.13	0.0	2.9	OK
5.002	38	50	46.902	0.004	0.000	0.23	0.0	5.1	SURCHARGED
5.003	40	47	46.897	0.076	0.000	0.31	0.0	6.7	SURCHARGED
6.000	601	46	46.894	0.101	0.000	0.05	0.0	1.5	SURCHARGED
5.004	42	46	46.894	0.141	0.000	0.36	0.0	7.1	SURCHARGED
7.000	701	46	46.891	0.160	0.000	0.12	0.0	1.8	SURCHARGED
5.005	44	46	46.891	0.182	0.000	0.27	0.0	5.9	SURCHARGED
5.006	46	47	46.891	0.266	0.000	0.41	0.0	6.2	SURCHARGED
1.012	26	48	46.891	0.287	0.000	0.57	0.0	12.2	SURCHARGED

Summary Wizard of 960 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	47	46.873	0.294	0.000	0.07	0.0	2.2	SURCHARGED
1.013	28	47	46.873	0.323	0.000	0.53	0.0	11.2	SURCHARGED
9.000	901	47	46.864	0.263	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	47	46.864	0.327	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 1440 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	65	46.977	-0.188	0.000	0.05	0.0	0.9	OK
1.001	4	65	46.948	-0.182	0.000	0.07	0.0	1.4	OK
1.002	6	63	46.915	-0.175	0.000	0.07	0.0	1.4	OK
1.003	8	59	46.909	-0.134	0.000	0.11	0.0	2.1	OK
1.004	10	57	46.907	-0.097	0.000	0.19	0.0	2.8	OK
1.005	12	52	46.905	-0.078	0.000	0.13	0.0	2.0	OK
1.006	14	54	46.902	-0.059	0.000	0.13	0.0	2.0	OK
1.007	16	57	46.900	-0.033	0.000	0.20	0.0	4.4	OK
2.000	201	55	46.891	0.013	0.000	0.03	0.0	1.0	SURCHARGED
1.008	18	55	46.891	0.049	0.000	0.33	0.0	7.0	SURCHARGED
3.000	301	55	46.880	0.030	0.000	0.02	0.0	0.9	SURCHARGED
1.009	20	55	46.879	0.093	0.000	0.40	0.0	8.8	SURCHARGED
4.000	401	52	46.863	0.136	0.000	0.03	0.0	0.9	SURCHARGED
1.010	22	52	46.862	0.157	0.000	0.62	0.0	9.7	SURCHARGED
1.011	24	52	46.854	0.168	0.000	0.46	0.0	10.0	SURCHARGED
5.000	34	52	46.865	-0.152	0.000	0.05	0.0	0.8	OK
5.001	36	52	46.864	-0.124	0.000	0.11	0.0	2.3	OK
5.002	38	52	46.861	-0.037	0.000	0.19	0.0	4.1	OK
5.003	40	52	46.856	0.035	0.000	0.24	0.0	5.1	SURCHARGED
6.000	601	50	46.850	0.057	0.000	0.05	0.0	1.5	SURCHARGED
5.004	42	50	46.850	0.097	0.000	0.27	0.0	5.4	SURCHARGED
7.000	701	50	46.844	0.113	0.000	0.09	0.0	1.4	SURCHARGED
5.005	44	50	46.844	0.135	0.000	0.25	0.0	5.6	SURCHARGED
5.006	46	51	46.839	0.214	0.000	0.41	0.0	6.1	SURCHARGED
1.012	26	51	46.836	0.232	0.000	0.53	0.0	11.3	SURCHARGED

Summary Wizard of 1440 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	51	46.816	0.237	0.000	0.05	0.0	1.6	SURCHARGED
1.013	28	51	46.815	0.265	0.000	0.49	0.0	10.2	SURCHARGED
9.000	901	51	46.807	0.206	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	51	46.807	0.270	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2160 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	71	46.971	-0.194	0.000	0.04	0.0	0.7	OK
1.001	4	71	46.940	-0.190	0.000	0.05	0.0	1.0	OK
1.002	6	72	46.901	-0.189	0.000	0.05	0.0	1.0	OK
1.003	8	72	46.868	-0.175	0.000	0.08	0.0	1.6	OK
1.004	10	70	46.843	-0.161	0.000	0.14	0.0	2.0	OK
1.005	12	70	46.827	-0.156	0.000	0.12	0.0	1.8	OK
1.006	14	67	46.820	-0.141	0.000	0.12	0.0	1.8	OK
1.007	16	67	46.815	-0.118	0.000	0.17	0.0	3.8	OK
2.000	201	67	46.807	-0.071	0.000	0.02	0.0	0.7	OK
1.008	18	67	46.807	-0.035	0.000	0.27	0.0	5.8	OK
3.000	301	66	46.797	-0.053	0.000	0.02	0.0	0.6	OK
1.009	20	66	46.796	0.010	0.000	0.33	0.0	7.1	SURCHARGED
4.000	401	62	46.781	0.054	0.000	0.02	0.0	0.6	SURCHARGED
1.010	22	62	46.781	0.076	0.000	0.50	0.0	7.8	SURCHARGED
1.011	24	59	46.774	0.088	0.000	0.37	0.0	8.0	SURCHARGED
5.000	34	71	46.827	-0.190	0.000	0.04	0.0	0.6	OK
5.001	36	71	46.808	-0.180	0.000	0.08	0.0	1.8	OK
5.002	38	62	46.788	-0.110	0.000	0.14	0.0	3.1	OK
5.003	40	56	46.782	-0.039	0.000	0.18	0.0	3.9	OK
6.000	601	56	46.776	-0.017	0.000	0.04	0.0	1.3	OK
5.004	42	56	46.775	0.022	0.000	0.22	0.0	4.5	SURCHARGED
7.000	701	56	46.769	0.038	0.000	0.07	0.0	1.0	SURCHARGED
5.005	44	56	46.769	0.060	0.000	0.25	0.0	5.4	SURCHARGED
5.006	46	56	46.761	0.136	0.000	0.39	0.0	5.8	SURCHARGED
1.012	26	56	46.757	0.153	0.000	0.51	0.0	10.8	SURCHARGED

Summary Wizard of 2160 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	56	46.736	0.157	0.000	0.04	0.0	1.2	SURCHARGED
1.013	28	56	46.736	0.186	0.000	0.48	0.0	10.1	SURCHARGED
9.000	901	56	46.727	0.126	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	56	46.727	0.190	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2880 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	77	46.967	-0.198	0.000	0.03	0.0	0.5	OK
1.001	4	76	46.936	-0.194	0.000	0.04	0.0	0.8	OK
1.002	6	76	46.896	-0.194	0.000	0.04	0.0	0.8	OK
1.003	8	76	46.862	-0.181	0.000	0.07	0.0	1.3	OK
1.004	10	77	46.835	-0.169	0.000	0.11	0.0	1.6	OK
1.005	12	77	46.813	-0.170	0.000	0.11	0.0	1.6	OK
1.006	14	76	46.792	-0.169	0.000	0.10	0.0	1.6	OK
1.007	16	77	46.768	-0.165	0.000	0.14	0.0	3.2	OK
2.000	201	75	46.734	-0.144	0.000	0.02	0.0	0.6	OK
1.008	18	75	46.733	-0.109	0.000	0.23	0.0	4.9	OK
3.000	301	75	46.724	-0.126	0.000	0.01	0.0	0.5	OK
1.009	20	75	46.723	-0.063	0.000	0.28	0.0	6.0	OK
4.000	401	74	46.709	-0.018	0.000	0.02	0.0	0.5	OK
1.010	22	74	46.709	0.004	0.000	0.42	0.0	6.6	SURCHARGED
1.011	24	74	46.703	0.017	0.000	0.31	0.0	6.8	SURCHARGED
5.000	34	77	46.823	-0.194	0.000	0.03	0.0	0.5	OK
5.001	36	77	46.800	-0.188	0.000	0.06	0.0	1.4	OK
5.002	38	75	46.731	-0.167	0.000	0.11	0.0	2.5	OK
5.003	40	74	46.714	-0.107	0.000	0.15	0.0	3.2	OK
6.000	601	71	46.707	-0.086	0.000	0.04	0.0	1.1	OK
5.004	42	73	46.707	-0.046	0.000	0.19	0.0	3.9	OK
7.000	701	71	46.701	-0.030	0.000	0.05	0.0	0.8	OK
5.005	44	71	46.700	-0.009	0.000	0.22	0.0	4.9	OK
5.006	46	71	46.691	0.066	0.000	0.36	0.0	5.3	SURCHARGED
1.012	26	71	46.687	0.083	0.000	0.49	0.0	10.4	SURCHARGED

Summary Wizard of 2880 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	71	46.666	0.087	0.000	0.03	0.0	0.9	SURCHARGED
1.013	28	71	46.665	0.115	0.000	0.48	0.0	10.1	SURCHARGED
9.000	901	71	46.656	0.055	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	71	46.656	0.119	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 4320 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	83	46.964	-0.201	0.000	0.02	0.0	0.4	OK
1.001	4	83	46.932	-0.198	0.000	0.03	0.0	0.6	OK
1.002	6	83	46.891	-0.199	0.000	0.03	0.0	0.6	OK
1.003	8	83	46.854	-0.189	0.000	0.05	0.0	0.9	OK
1.004	10	83	46.827	-0.177	0.000	0.08	0.0	1.2	OK
1.005	12	83	46.805	-0.178	0.000	0.08	0.0	1.2	OK
1.006	14	83	46.783	-0.178	0.000	0.08	0.0	1.2	OK
1.007	16	83	46.757	-0.176	0.000	0.11	0.0	2.3	OK
2.000	201	86	46.684	-0.194	0.000	0.01	0.0	0.4	OK
1.008	18	86	46.682	-0.160	0.000	0.17	0.0	3.6	OK
3.000	301	85	46.648	-0.202	0.000	0.01	0.0	0.4	OK
1.009	20	85	46.642	-0.144	0.000	0.21	0.0	4.5	OK
4.000	401	85	46.619	-0.108	0.000	0.01	0.0	0.4	OK
1.010	22	85	46.619	-0.086	0.000	0.31	0.0	4.9	OK
1.011	24	85	46.613	-0.073	0.000	0.23	0.0	5.0	OK
5.000	34	83	46.818	-0.199	0.000	0.02	0.0	0.4	OK
5.001	36	83	46.794	-0.194	0.000	0.05	0.0	1.0	OK
5.002	38	84	46.716	-0.182	0.000	0.08	0.0	1.8	OK
5.003	40	85	46.651	-0.170	0.000	0.11	0.0	2.4	OK
6.000	601	85	46.625	-0.168	0.000	0.02	0.0	0.5	OK
5.004	42	85	46.624	-0.129	0.000	0.16	0.0	3.2	OK
7.000	701	85	46.618	-0.113	0.000	0.04	0.0	0.6	OK
5.005	44	85	46.618	-0.091	0.000	0.20	0.0	4.5	OK
5.006	46	85	46.606	-0.019	0.000	0.31	0.0	4.6	OK
1.012	26	85	46.600	-0.004	0.000	0.46	0.0	9.7	OK

Summary Wizard of 4320 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	85	46.579	0.000	0.000	0.02	0.0	0.7	OK
1.013	28	85	46.578	0.028	0.000	0.46	0.0	9.7	SURCHARGED
9.000	901	85	46.570	-0.031	0.000	0.01	0.0	0.3	OK
1.014	30	85	46.569	0.032	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 5760 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	91	46.962	-0.203	0.000	0.02	0.0	0.3	OK
1.001	4	91	46.929	-0.201	0.000	0.02	0.0	0.5	OK
1.002	6	91	46.889	-0.201	0.000	0.02	0.0	0.5	OK
1.003	8	91	46.850	-0.193	0.000	0.04	0.0	0.7	OK
1.004	10	91	46.822	-0.182	0.000	0.06	0.0	0.9	OK
1.005	12	91	46.800	-0.183	0.000	0.06	0.0	0.9	OK
1.006	14	91	46.778	-0.183	0.000	0.06	0.0	0.9	OK
1.007	16	91	46.751	-0.182	0.000	0.08	0.0	1.8	OK
2.000	201	91	46.676	-0.202	0.000	0.01	0.0	0.4	OK
1.008	18	91	46.672	-0.170	0.000	0.14	0.0	2.9	OK
3.000	301	91	46.638	-0.212	0.000	0.01	0.0	0.3	OK
1.009	20	91	46.622	-0.164	0.000	0.16	0.0	3.6	OK
4.000	401	91	46.561	-0.166	0.000	0.01	0.0	0.3	OK
1.010	22	91	46.561	-0.144	0.000	0.25	0.0	4.0	OK
1.011	24	91	46.536	-0.150	0.000	0.19	0.0	4.1	OK
5.000	34	91	46.816	-0.201	0.000	0.02	0.0	0.3	OK
5.001	36	91	46.791	-0.197	0.000	0.04	0.0	0.8	OK
5.002	38	91	46.710	-0.188	0.000	0.07	0.0	1.4	OK
5.003	40	91	46.641	-0.180	0.000	0.09	0.0	1.9	OK
6.000	601	91	46.592	-0.201	0.000	0.01	0.0	0.4	OK
5.004	42	91	46.586	-0.167	0.000	0.13	0.0	2.6	OK
7.000	701	91	46.555	-0.176	0.000	0.03	0.0	0.5	OK
5.005	44	91	46.552	-0.157	0.000	0.17	0.0	3.6	OK
5.006	46	91	46.514	-0.111	0.000	0.27	0.0	4.0	OK
1.012	26	91	46.504	-0.100	0.000	0.39	0.0	8.3	OK

Summary Wizard of 5760 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	91	46.483	-0.096	0.000	0.02	0.0	0.5	OK
1.013	28	91	46.483	-0.067	0.000	0.41	0.0	8.6	OK
9.000	901	91	46.475	-0.126	0.000	0.01	0.0	0.3	OK
1.014	30	91	46.475	-0.062	0.000	0.37	0.0	8.8	OK

Summary Wizard of 7200 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	96	46.959	-0.206	0.000	0.01	0.0	0.3	OK
1.001	4	95	46.928	-0.202	0.000	0.02	0.0	0.4	OK
1.002	6	95	46.887	-0.203	0.000	0.02	0.0	0.4	OK
1.003	8	95	46.847	-0.196	0.000	0.03	0.0	0.6	OK
1.004	10	95	46.817	-0.187	0.000	0.05	0.0	0.8	OK
1.005	12	95	46.796	-0.187	0.000	0.05	0.0	0.8	OK
1.006	14	95	46.774	-0.187	0.000	0.05	0.0	0.8	OK
1.007	16	95	46.747	-0.186	0.000	0.07	0.0	1.5	OK
2.000	201	95	46.672	-0.206	0.000	0.01	0.0	0.3	OK
1.008	18	95	46.667	-0.175	0.000	0.11	0.0	2.4	OK
3.000	301	95	46.635	-0.215	0.000	0.01	0.0	0.2	OK
1.009	20	95	46.616	-0.170	0.000	0.14	0.0	3.0	OK
4.000	401	95	46.552	-0.175	0.000	0.01	0.0	0.3	OK
1.010	22	95	46.552	-0.153	0.000	0.21	0.0	3.3	OK
1.011	24	95	46.525	-0.161	0.000	0.16	0.0	3.4	OK
5.000	34	94	46.814	-0.203	0.000	0.02	0.0	0.2	OK
5.001	36	95	46.789	-0.199	0.000	0.03	0.0	0.7	OK
5.002	38	95	46.707	-0.191	0.000	0.06	0.0	1.2	OK
5.003	40	95	46.636	-0.185	0.000	0.07	0.0	1.6	OK
6.000	601	95	46.587	-0.206	0.000	0.01	0.0	0.3	OK
5.004	42	95	46.579	-0.174	0.000	0.11	0.0	2.1	OK
7.000	701	95	46.546	-0.185	0.000	0.03	0.0	0.4	OK
5.005	44	95	46.542	-0.167	0.000	0.14	0.0	3.0	OK
5.006	46	95	46.496	-0.129	0.000	0.22	0.0	3.4	OK
1.012	26	95	46.484	-0.120	0.000	0.33	0.0	6.9	OK

Summary Wizard of 7200 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	95	46.458	-0.121	0.000	0.02	0.0	0.5	OK
1.013	28	95	46.457	-0.093	0.000	0.34	0.0	7.1	OK
9.000	901	95	46.451	-0.150	0.000	0.01	0.0	0.2	OK
1.014	30	95	46.450	-0.087	0.000	0.31	0.0	7.3	OK

Summary Wizard of 8640 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	99	46.956	-0.209	0.000	0.01	0.0	0.2	OK
1.001	4	98	46.926	-0.204	0.000	0.02	0.0	0.3	OK
1.002	6	98	46.884	-0.206	0.000	0.02	0.0	0.3	OK
1.003	8	98	46.845	-0.198	0.000	0.03	0.0	0.5	OK
1.004	10	98	46.814	-0.190	0.000	0.05	0.0	0.7	OK
1.005	12	98	46.793	-0.190	0.000	0.04	0.0	0.7	OK
1.006	14	98	46.771	-0.190	0.000	0.04	0.0	0.7	OK
1.007	16	98	46.744	-0.189	0.000	0.06	0.0	1.3	OK
2.000	201	98	46.669	-0.209	0.000	0.01	0.0	0.3	OK
1.008	18	98	46.664	-0.178	0.000	0.10	0.0	2.1	OK
3.000	301	98	46.633	-0.217	0.000	0.01	0.0	0.2	OK
1.009	20	98	46.612	-0.174	0.000	0.12	0.0	2.6	OK
4.000	401	98	46.546	-0.181	0.000	0.01	0.0	0.2	OK
1.010	22	98	46.546	-0.159	0.000	0.18	0.0	2.9	OK
1.011	24	98	46.518	-0.168	0.000	0.14	0.0	3.0	OK
5.000	34	98	46.811	-0.206	0.000	0.01	0.0	0.2	OK
5.001	36	98	46.787	-0.201	0.000	0.03	0.0	0.6	OK
5.002	38	98	46.704	-0.194	0.000	0.05	0.0	1.0	OK
5.003	40	98	46.632	-0.189	0.000	0.06	0.0	1.4	OK
6.000	601	98	46.583	-0.210	0.000	0.01	0.0	0.3	OK
5.004	42	98	46.575	-0.178	0.000	0.09	0.0	1.8	OK
7.000	701	98	46.542	-0.189	0.000	0.02	0.0	0.4	OK
5.005	44	98	46.536	-0.173	0.000	0.12	0.0	2.6	OK
5.006	46	98	46.486	-0.139	0.000	0.19	0.0	2.9	OK
1.012	26	98	46.472	-0.132	0.000	0.28	0.0	6.0	OK

Summary Wizard of 8640 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	98	46.443	-0.136	0.000	0.01	0.0	0.4	OK
1.013	28	98	46.442	-0.108	0.000	0.29	0.0	6.1	OK
9.000	901	98	46.436	-0.165	0.000	0.01	0.0	0.2	OK
1.014	30	98	46.436	-0.101	0.000	0.26	0.0	6.3	OK

Summary Wizard of 10080 minute 30 year Summer I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	102	46.954	-0.211	0.000	0.01	0.0	0.2	OK
1.001	4	101	46.923	-0.207	0.000	0.02	0.0	0.3	OK
1.002	6	101	46.882	-0.208	0.000	0.01	0.0	0.3	OK
1.003	8	101	46.843	-0.200	0.000	0.02	0.0	0.5	OK
1.004	10	101	46.812	-0.192	0.000	0.04	0.0	0.6	OK
1.005	12	101	46.790	-0.193	0.000	0.04	0.0	0.6	OK
1.006	14	101	46.768	-0.193	0.000	0.04	0.0	0.6	OK
1.007	16	101	46.741	-0.192	0.000	0.05	0.0	1.2	OK
2.000	201	101	46.667	-0.211	0.000	0.01	0.0	0.2	OK
1.008	18	101	46.661	-0.181	0.000	0.09	0.0	1.9	OK
3.000	301	101	46.632	-0.218	0.000	0.01	0.0	0.2	OK
1.009	20	101	46.609	-0.177	0.000	0.11	0.0	2.3	OK
4.000	401	101	46.542	-0.185	0.000	0.01	0.0	0.2	OK
1.010	22	101	46.542	-0.163	0.000	0.16	0.0	2.5	OK
1.011	24	101	46.514	-0.172	0.000	0.12	0.0	2.6	OK
5.000	34	100	46.809	-0.208	0.000	0.01	0.0	0.2	OK
5.001	36	100	46.786	-0.202	0.000	0.02	0.0	0.5	OK
5.002	38	101	46.702	-0.196	0.000	0.04	0.0	0.9	OK
5.003	40	101	46.630	-0.191	0.000	0.06	0.0	1.2	OK
6.000	601	101	46.581	-0.212	0.000	0.01	0.0	0.2	OK
5.004	42	101	46.573	-0.180	0.000	0.08	0.0	1.6	OK
7.000	701	101	46.538	-0.193	0.000	0.02	0.0	0.3	OK
5.005	44	101	46.532	-0.177	0.000	0.11	0.0	2.3	OK
5.006	46	101	46.479	-0.146	0.000	0.17	0.0	2.6	OK
1.012	26	101	46.464	-0.140	0.000	0.25	0.0	5.3	OK

Summary Wizard of 10080 minute 30 year Summer I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	101	46.433	-0.146	0.000	0.01	0.0	0.3	OK
1.013	28	101	46.433	-0.117	0.000	0.25	0.0	5.3	OK
9.000	901	101	46.426	-0.175	0.000	0.01	0.0	0.2	OK
1.014	30	101	46.426	-0.111	0.000	0.23	0.0	5.5	OK

Summary Wizard of 15 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	12	47.474	0.309	0.000	1.27	0.0	22.6	SURCHARGED
1.001	4	12	47.466	0.336	0.000	1.03	0.0	19.7	SURCHARGED
1.002	6	12	47.486	0.396	0.000	0.86	0.0	18.0	SURCHARGED
1.003	8	11	47.497	0.454	0.000	1.80	0.0	34.1	SURCHARGED
1.004	10	12	47.457	0.453	0.000	3.51	0.0	51.6	FLOOD RISK
1.005	12	13	47.436	0.453	0.000	1.35	0.0	20.6	FLOOD RISK
1.006	14	13	47.425	0.464	0.000	0.88	0.0	13.6	SURCHARGED
1.007	16	11	47.435	0.502	0.000	0.86	0.0	18.8	FLOOD RISK
2.000	201	8	47.421	0.543	0.000	0.79	0.0	23.5	SURCHARGED
1.008	18	10	47.411	0.569	0.000	2.54	0.0	54.3	FLOOD RISK
3.000	301	24	47.137	0.287	0.000	0.41	0.0	14.3	SURCHARGED
1.009	20	24	47.138	0.352	0.000	1.16	0.0	25.4	SURCHARGED
4.000	401	25	47.061	0.334	0.000	0.75	0.0	20.8	SURCHARGED
1.010	22	25	47.061	0.356	0.000	2.45	0.0	38.5	SURCHARGED
1.011	24	28	47.038	0.352	0.000	1.32	0.0	28.8	SURCHARGED
5.000	34	18	47.220	0.203	0.000	1.20	0.0	19.1	SURCHARGED
5.001	36	11	47.280	0.292	0.000	0.95	0.0	20.9	SURCHARGED
5.002	38	8	47.294	0.396	0.000	2.25	0.0	49.2	SURCHARGED
5.003	40	32	46.964	0.143	0.000	1.01	0.0	21.7	SURCHARGED
6.000	601	39	46.937	0.144	0.000	0.36	0.0	10.7	SURCHARGED
5.004	42	39	46.939	0.186	0.000	1.68	0.0	33.7	SURCHARGED
7.000	701	38	46.940	0.209	0.000	1.85	0.0	27.9	SURCHARGED
5.005	44	37	46.943	0.234	0.000	0.67	0.0	14.7	SURCHARGED
5.006	46	32	46.968	0.343	0.000	0.92	0.0	13.8	SURCHARGED
1.012	26	31	46.988	0.384	0.000	1.94	0.0	41.3	SURCHARGED

Summary Wizard of 15 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	31	46.965	0.386	0.000	1.39	0.0	41.4	SURCHARGED
1.013	28	31	46.966	0.416	0.000	1.55	0.0	32.5	SURCHARGED
9.000	901	31	46.956	0.355	0.000	0.54	0.0	19.1	SURCHARGED
1.014	30	31	46.957	0.420	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	7	47.598	0.433	0.000	1.16	0.0	20.7	SURCHARGED
1.001	4	7	47.590	0.460	0.000	0.84	0.0	16.1	SURCHARGED
1.002	6	7	47.590	0.500	0.000	0.67	0.0	14.0	SURCHARGED
1.003	8	6	47.591	0.548	0.000	1.60	0.0	30.4	SURCHARGED
1.004	10	8	47.558	0.554	0.000	3.09	0.0	45.4	FLOOD RISK
1.005	12	7	47.540	0.557	0.000	1.54	0.0	23.5	FLOOD RISK
1.006	14	7	47.529	0.568	0.000	0.86	0.0	13.4	FLOOD RISK
1.007	16	6	47.519	0.586	0.000	1.10	0.0	24.2	FLOOD RISK
2.000	201	9	47.417	0.539	0.000	0.37	0.0	11.0	SURCHARGED
1.008	18	8	47.415	0.573	0.000	2.40	0.0	51.3	FLOOD RISK
3.000	301	19	47.229	0.379	0.000	0.36	0.0	12.5	SURCHARGED
1.009	20	19	47.229	0.443	0.000	1.15	0.0	25.1	SURCHARGED
4.000	401	20	47.164	0.437	0.000	0.66	0.0	18.5	SURCHARGED
1.010	22	20	47.165	0.460	0.000	2.18	0.0	34.2	SURCHARGED
1.011	24	20	47.140	0.454	0.000	1.39	0.0	30.4	SURCHARGED
5.000	34	7	47.349	0.332	0.000	0.79	0.0	12.6	SURCHARGED
5.001	36	7	47.329	0.341	0.000	1.06	0.0	23.2	SURCHARGED
5.002	38	11	47.269	0.371	0.000	2.06	0.0	45.1	SURCHARGED
5.003	40	24	47.033	0.212	0.000	1.04	0.0	22.4	SURCHARGED
6.000	601	24	47.023	0.230	0.000	0.43	0.0	12.9	SURCHARGED
5.004	42	24	47.025	0.272	0.000	1.56	0.0	31.5	SURCHARGED
7.000	701	24	47.024	0.293	0.000	1.49	0.0	22.5	SURCHARGED
5.005	44	24	47.028	0.319	0.000	0.65	0.0	14.1	SURCHARGED
5.006	46	22	47.060	0.435	0.000	0.71	0.0	10.6	SURCHARGED
1.012	26	22	47.085	0.481	0.000	1.74	0.0	37.1	SURCHARGED

Summary Wizard of 30 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	21	47.074	0.495	0.000	1.27	0.0	37.8	SURCHARGED
1.013	28	22	47.072	0.522	0.000	2.03	0.0	42.6	SURCHARGED
9.000	901	21	47.065	0.464	0.000	0.26	0.0	9.2	SURCHARGED
1.014	30	21	47.063	0.526	0.000	0.45	0.0	10.8	SURCHARGED

Summary Wizard of 60 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	4	47.659	0.494	0.000	0.85	0.0	15.2	SURCHARGED
1.001	4	4	47.650	0.520	0.000	0.74	0.0	14.1	SURCHARGED
1.002	6	4	47.636	0.546	0.000	0.57	0.0	12.0	SURCHARGED
1.003	8	4	47.621	0.578	0.000	1.21	0.0	23.0	SURCHARGED
1.004	10	4	47.602	0.598	0.000	2.31	0.0	34.0	FLOOD RISK
1.005	12	4	47.584	0.601	0.000	1.37	0.0	20.9	FLOOD RISK
1.006	14	4	47.567	0.606	0.000	0.85	0.0	13.3	FLOOD RISK
1.007	16	4	47.550	0.617	0.000	1.20	0.0	26.4	FLOOD RISK
2.000	201	7	47.425	0.547	0.000	0.22	0.0	6.4	SURCHARGED
1.008	18	7	47.424	0.582	0.000	2.19	0.0	47.0	FLOOD RISK
3.000	301	12	47.305	0.455	0.000	0.24	0.0	8.5	SURCHARGED
1.009	20	11	47.305	0.519	0.000	1.05	0.0	23.0	SURCHARGED
4.000	401	13	47.247	0.520	0.000	0.44	0.0	12.1	SURCHARGED
1.010	22	13	47.247	0.542	0.000	1.86	0.0	29.2	SURCHARGED
1.011	24	14	47.223	0.537	0.000	1.27	0.0	27.6	SURCHARGED
5.000	34	11	47.286	0.269	0.000	0.67	0.0	10.7	SURCHARGED
5.001	36	13	47.273	0.285	0.000	0.91	0.0	20.0	SURCHARGED
5.002	38	21	47.197	0.299	0.000	1.80	0.0	39.3	SURCHARGED
5.003	40	20	47.114	0.293	0.000	1.01	0.0	21.7	SURCHARGED
6.000	601	19	47.116	0.323	0.000	0.34	0.0	10.0	SURCHARGED
5.004	42	19	47.116	0.363	0.000	1.30	0.0	26.2	SURCHARGED
7.000	701	19	47.116	0.385	0.000	0.85	0.0	12.8	SURCHARGED
5.005	44	19	47.118	0.409	0.000	0.62	0.0	13.6	SURCHARGED
5.006	46	17	47.147	0.522	0.000	0.67	0.0	10.1	SURCHARGED
1.012	26	17	47.161	0.557	0.000	1.28	0.0	27.3	SURCHARGED

Summary Wizard of 60 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	15	47.135	0.556	0.000	0.88	0.0	26.0	SURCHARGED
1.013	28	17	47.128	0.578	0.000	1.94	0.0	40.8	SURCHARGED
9.000	901	14	47.124	0.523	0.000	0.25	0.0	8.9	SURCHARGED
1.014	30	15	47.116	0.579	0.000	0.74	0.0	17.7	SURCHARGED

Summary Wizard of 120 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	5	47.631	0.466	0.000	0.55	0.0	9.8	SURCHARGED
1.001	4	5	47.622	0.492	0.000	0.51	0.0	9.8	SURCHARGED
1.002	6	5	47.609	0.519	0.000	0.42	0.0	8.7	SURCHARGED
1.003	8	5	47.596	0.553	0.000	0.85	0.0	16.1	SURCHARGED
1.004	10	5	47.576	0.572	0.000	1.56	0.0	23.0	FLOOD RISK
1.005	12	5	47.559	0.576	0.000	0.90	0.0	13.8	FLOOD RISK
1.006	14	5	47.541	0.580	0.000	0.79	0.0	12.3	FLOOD RISK
1.007	16	5	47.520	0.587	0.000	1.14	0.0	25.0	FLOOD RISK
2.000	201	10	47.415	0.537	0.000	0.18	0.0	5.4	SURCHARGED
1.008	18	9	47.412	0.570	0.000	1.94	0.0	41.6	FLOOD RISK
3.000	301	7	47.335	0.485	0.000	0.13	0.0	4.5	SURCHARGED
1.009	20	7	47.334	0.548	0.000	0.93	0.0	20.2	SURCHARGED
4.000	401	8	47.283	0.556	0.000	0.27	0.0	7.4	SURCHARGED
1.010	22	8	47.283	0.578	0.000	1.60	0.0	25.1	SURCHARGED
1.011	24	9	47.259	0.573	0.000	1.05	0.0	22.9	SURCHARGED
5.000	34	19	47.220	0.203	0.000	0.36	0.0	5.8	SURCHARGED
5.001	36	19	47.219	0.231	0.000	0.63	0.0	13.8	SURCHARGED
5.002	38	18	47.214	0.316	0.000	1.41	0.0	30.8	SURCHARGED
5.003	40	13	47.206	0.385	0.000	0.88	0.0	19.0	SURCHARGED
6.000	601	11	47.212	0.419	0.000	0.19	0.0	5.7	SURCHARGED
5.004	42	12	47.211	0.458	0.000	0.97	0.0	19.4	SURCHARGED
7.000	701	11	47.212	0.481	0.000	0.41	0.0	6.2	SURCHARGED
5.005	44	11	47.211	0.502	0.000	0.50	0.0	11.0	FLOOD RISK
5.006	46	10	47.207	0.582	0.000	0.69	0.0	10.4	SURCHARGED
1.012	26	9	47.205	0.601	0.000	1.00	0.0	21.3	SURCHARGED

Summary Wizard of 120 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	10	47.158	0.579	0.000	0.56	0.0	16.7	SURCHARGED
1.013	28	10	47.157	0.607	0.000	1.19	0.0	25.0	SURCHARGED
9.000	901	10	47.137	0.536	0.000	0.22	0.0	7.8	SURCHARGED
1.014	30	10	47.136	0.599	0.000	0.93	0.0	22.0	SURCHARGED

Summary Wizard of 180 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	9	47.573	0.408	0.000	0.42	0.0	7.4	SURCHARGED
1.001	4	8	47.565	0.435	0.000	0.42	0.0	8.0	SURCHARGED
1.002	6	9	47.554	0.464	0.000	0.34	0.0	7.2	SURCHARGED
1.003	8	9	47.542	0.499	0.000	0.67	0.0	12.7	SURCHARGED
1.004	10	9	47.525	0.521	0.000	1.21	0.0	17.8	FLOOD RISK
1.005	12	9	47.509	0.526	0.000	0.75	0.0	11.4	FLOOD RISK
1.006	14	9	47.493	0.532	0.000	0.69	0.0	10.8	SURCHARGED
1.007	16	9	47.474	0.541	0.000	1.05	0.0	23.1	FLOOD RISK
2.000	201	12	47.395	0.517	0.000	0.16	0.0	4.7	SURCHARGED
1.008	18	12	47.394	0.552	0.000	1.75	0.0	37.5	FLOOD RISK
3.000	301	6	47.336	0.486	0.000	0.10	0.0	3.4	SURCHARGED
1.009	20	6	47.334	0.548	0.000	0.89	0.0	19.4	SURCHARGED
4.000	401	7	47.286	0.559	0.000	0.21	0.0	5.7	SURCHARGED
1.010	22	7	47.286	0.581	0.000	1.48	0.0	23.3	SURCHARGED
1.011	24	7	47.263	0.577	0.000	0.95	0.0	20.7	SURCHARGED
5.000	34	14	47.250	0.233	0.000	0.18	0.0	2.9	SURCHARGED
5.001	36	15	47.249	0.261	0.000	0.51	0.0	11.1	SURCHARGED
5.002	38	14	47.244	0.346	0.000	1.16	0.0	25.3	SURCHARGED
5.003	40	9	47.235	0.414	0.000	0.74	0.0	16.1	SURCHARGED
6.000	601	9	47.228	0.435	0.000	0.15	0.0	4.5	SURCHARGED
5.004	42	9	47.228	0.475	0.000	0.77	0.0	15.4	SURCHARGED
7.000	701	9	47.221	0.490	0.000	0.28	0.0	4.3	FLOOD RISK
5.005	44	9	47.221	0.512	0.000	0.43	0.0	9.4	FLOOD RISK
5.006	46	8	47.213	0.588	0.000	0.58	0.0	8.7	SURCHARGED
1.012	26	8	47.210	0.606	0.000	0.96	0.0	20.4	SURCHARGED

Summary Wizard of 180 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	9	47.161	0.582	0.000	0.42	0.0	12.5	SURCHARGED
1.013	28	8	47.160	0.610	0.000	1.06	0.0	22.2	SURCHARGED
9.000	901	9	47.140	0.539	0.000	0.17	0.0	5.9	SURCHARGED
1.014	30	9	47.139	0.602	0.000	0.96	0.0	22.7	SURCHARGED

Summary Wizard of 240 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	11	47.518	0.353	0.000	0.34	0.0	6.0	SURCHARGED
1.001	4	11	47.512	0.382	0.000	0.36	0.0	6.8	SURCHARGED
1.002	6	11	47.502	0.412	0.000	0.30	0.0	6.3	SURCHARGED
1.003	8	12	47.491	0.448	0.000	0.57	0.0	10.8	SURCHARGED
1.004	10	11	47.476	0.472	0.000	1.01	0.0	14.9	FLOOD RISK
1.005	12	11	47.462	0.479	0.000	0.64	0.0	9.7	FLOOD RISK
1.006	14	11	47.448	0.487	0.000	0.61	0.0	9.5	SURCHARGED
1.007	16	12	47.431	0.498	0.000	0.98	0.0	21.4	FLOOD RISK
2.000	201	13	47.374	0.496	0.000	0.14	0.0	4.2	SURCHARGED
1.008	18	13	47.373	0.531	0.000	1.60	0.0	34.2	FLOOD RISK
3.000	301	9	47.329	0.479	0.000	0.08	0.0	2.9	SURCHARGED
1.009	20	9	47.327	0.541	0.000	0.84	0.0	18.4	SURCHARGED
4.000	401	9	47.282	0.555	0.000	0.17	0.0	4.7	SURCHARGED
1.010	22	9	47.281	0.576	0.000	1.39	0.0	21.7	SURCHARGED
1.011	24	8	47.260	0.574	0.000	0.88	0.0	19.2	SURCHARGED
5.000	34	13	47.251	0.234	0.000	0.10	0.0	1.5	SURCHARGED
5.001	36	14	47.250	0.262	0.000	0.43	0.0	9.4	SURCHARGED
5.002	38	13	47.244	0.346	0.000	0.99	0.0	21.6	SURCHARGED
5.003	40	8	47.235	0.414	0.000	0.64	0.0	13.8	SURCHARGED
6.000	601	8	47.229	0.436	0.000	0.13	0.0	3.8	SURCHARGED
5.004	42	8	47.228	0.475	0.000	0.67	0.0	13.6	SURCHARGED
7.000	701	8	47.222	0.491	0.000	0.23	0.0	3.4	FLOOD RISK
5.005	44	8	47.221	0.512	0.000	0.36	0.0	7.8	FLOOD RISK
5.006	46	7	47.213	0.588	0.000	0.49	0.0	7.4	SURCHARGED
1.012	26	7	47.210	0.606	0.000	0.95	0.0	20.3	SURCHARGED

Summary Wizard of 240 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	8	47.162	0.583	0.000	0.34	0.0	10.2	SURCHARGED
1.013	28	7	47.161	0.611	0.000	1.06	0.0	22.3	SURCHARGED
9.000	901	8	47.140	0.539	0.000	0.13	0.0	4.7	SURCHARGED
1.014	30	7	47.139	0.602	0.000	0.96	0.0	22.9	SURCHARGED

Summary Wizard of 360 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	14	47.438	0.273	0.000	0.25	0.0	4.5	SURCHARGED
1.001	4	14	47.433	0.303	0.000	0.29	0.0	5.6	SURCHARGED
1.002	6	14	47.425	0.335	0.000	0.25	0.0	5.2	SURCHARGED
1.003	8	14	47.417	0.374	0.000	0.46	0.0	8.6	SURCHARGED
1.004	10	15	47.405	0.401	0.000	0.80	0.0	11.8	SURCHARGED
1.005	12	15	47.395	0.412	0.000	0.55	0.0	8.4	FLOOD RISK
1.006	14	15	47.384	0.423	0.000	0.52	0.0	8.0	SURCHARGED
1.007	16	15	47.372	0.439	0.000	0.86	0.0	18.8	SURCHARGED
2.000	201	15	47.340	0.462	0.000	0.12	0.0	3.4	SURCHARGED
1.008	18	15	47.339	0.497	0.000	1.36	0.0	29.2	SURCHARGED
3.000	301	10	47.307	0.457	0.000	0.07	0.0	2.4	SURCHARGED
1.009	20	10	47.306	0.520	0.000	0.77	0.0	16.7	SURCHARGED
4.000	401	11	47.266	0.539	0.000	0.12	0.0	3.4	SURCHARGED
1.010	22	11	47.265	0.560	0.000	1.25	0.0	19.5	SURCHARGED
1.011	24	11	47.246	0.560	0.000	0.79	0.0	17.3	SURCHARGED
5.000	34	15	47.244	0.227	0.000	0.09	0.0	1.4	SURCHARGED
5.001	36	16	47.243	0.255	0.000	0.32	0.0	7.1	SURCHARGED
5.002	38	15	47.237	0.339	0.000	0.77	0.0	16.9	SURCHARGED
5.003	40	10	47.228	0.407	0.000	0.52	0.0	11.2	SURCHARGED
6.000	601	10	47.222	0.429	0.000	0.10	0.0	2.9	SURCHARGED
5.004	42	10	47.221	0.468	0.000	0.56	0.0	11.4	SURCHARGED
7.000	701	10	47.216	0.485	0.000	0.18	0.0	2.7	SURCHARGED
5.005	44	10	47.215	0.506	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	11	47.206	0.581	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	12	47.202	0.598	0.000	0.90	0.0	19.2	SURCHARGED

Summary Wizard of 360 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	11	47.157	0.578	0.000	0.27	0.0	8.0	SURCHARGED
1.013	28	11	47.155	0.605	0.000	1.01	0.0	21.2	SURCHARGED
9.000	901	11	47.136	0.535	0.000	0.10	0.0	3.4	SURCHARGED
1.014	30	11	47.135	0.598	0.000	0.92	0.0	21.9	SURCHARGED

Summary Wizard of 480 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	17	47.387	0.222	0.000	0.21	0.0	3.7	SURCHARGED
1.001	4	17	47.383	0.253	0.000	0.25	0.0	4.8	SURCHARGED
1.002	6	17	47.377	0.287	0.000	0.22	0.0	4.5	SURCHARGED
1.003	8	17	47.371	0.328	0.000	0.39	0.0	7.5	SURCHARGED
1.004	10	17	47.363	0.359	0.000	0.68	0.0	10.1	SURCHARGED
1.005	12	17	47.356	0.373	0.000	0.49	0.0	7.4	SURCHARGED
1.006	14	17	47.348	0.387	0.000	0.45	0.0	7.0	SURCHARGED
1.007	16	17	47.339	0.406	0.000	0.75	0.0	16.5	SURCHARGED
2.000	201	17	47.313	0.435	0.000	0.10	0.0	3.0	SURCHARGED
1.008	18	17	47.312	0.470	0.000	1.18	0.0	25.2	SURCHARGED
3.000	301	13	47.284	0.434	0.000	0.06	0.0	2.1	SURCHARGED
1.009	20	13	47.283	0.497	0.000	0.69	0.0	15.0	SURCHARGED
4.000	401	14	47.247	0.520	0.000	0.10	0.0	2.8	SURCHARGED
1.010	22	14	47.247	0.542	0.000	1.11	0.0	17.4	SURCHARGED
1.011	24	13	47.230	0.544	0.000	0.73	0.0	16.0	SURCHARGED
5.000	34	16	47.234	0.217	0.000	0.08	0.0	1.3	SURCHARGED
5.001	36	17	47.232	0.244	0.000	0.27	0.0	5.9	SURCHARGED
5.002	38	16	47.227	0.329	0.000	0.63	0.0	13.8	SURCHARGED
5.003	40	11	47.218	0.397	0.000	0.46	0.0	9.8	SURCHARGED
6.000	601	12	47.212	0.419	0.000	0.07	0.0	2.2	SURCHARGED
5.004	42	11	47.211	0.458	0.000	0.50	0.0	10.1	SURCHARGED
7.000	701	12	47.205	0.474	0.000	0.16	0.0	2.4	SURCHARGED
5.005	44	12	47.204	0.495	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	13	47.195	0.570	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	13	47.190	0.586	0.000	0.84	0.0	17.9	SURCHARGED

Summary Wizard of 480 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	13	47.148	0.569	0.000	0.23	0.0	6.8	SURCHARGED
1.013	28	13	47.147	0.597	0.000	0.94	0.0	19.7	SURCHARGED
9.000	901	13	47.129	0.528	0.000	0.08	0.0	2.8	SURCHARGED
1.014	30	13	47.128	0.591	0.000	0.85	0.0	20.3	SURCHARGED

Summary Wizard of 600 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	19	47.350	0.185	0.000	0.18	0.0	3.1	SURCHARGED
1.001	4	19	47.347	0.217	0.000	0.22	0.0	4.3	SURCHARGED
1.002	6	19	47.343	0.253	0.000	0.20	0.0	4.1	SURCHARGED
1.003	8	19	47.338	0.295	0.000	0.35	0.0	6.6	SURCHARGED
1.004	10	19	47.331	0.327	0.000	0.60	0.0	8.8	SURCHARGED
1.005	12	19	47.325	0.342	0.000	0.43	0.0	6.5	SURCHARGED
1.006	14	19	47.318	0.357	0.000	0.41	0.0	6.4	SURCHARGED
1.007	16	19	47.311	0.378	0.000	0.65	0.0	14.2	SURCHARGED
2.000	201	19	47.288	0.410	0.000	0.09	0.0	2.7	SURCHARGED
1.008	18	19	47.287	0.445	0.000	1.01	0.0	21.6	SURCHARGED
3.000	301	16	47.261	0.411	0.000	0.06	0.0	1.9	SURCHARGED
1.009	20	16	47.260	0.474	0.000	0.64	0.0	13.9	SURCHARGED
4.000	401	15	47.228	0.501	0.000	0.09	0.0	2.4	SURCHARGED
1.010	22	15	47.228	0.523	0.000	1.02	0.0	16.0	SURCHARGED
1.011	24	15	47.212	0.526	0.000	0.69	0.0	15.0	SURCHARGED
5.000	34	20	47.220	0.203	0.000	0.07	0.0	1.0	SURCHARGED
5.001	36	20	47.219	0.231	0.000	0.23	0.0	5.0	SURCHARGED
5.002	38	19	47.213	0.315	0.000	0.53	0.0	11.7	SURCHARGED
5.003	40	14	47.204	0.383	0.000	0.42	0.0	9.0	SURCHARGED
6.000	601	14	47.198	0.405	0.000	0.06	0.0	1.8	SURCHARGED
5.004	42	14	47.198	0.445	0.000	0.46	0.0	9.2	SURCHARGED
7.000	701	14	47.192	0.461	0.000	0.14	0.0	2.2	SURCHARGED
5.005	44	14	47.191	0.482	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	14	47.181	0.556	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	14	47.176	0.572	0.000	0.77	0.0	16.5	SURCHARGED

Summary Wizard of 600 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	14	47.138	0.559	0.000	0.19	0.0	5.7	SURCHARGED
1.013	28	14	47.137	0.587	0.000	0.86	0.0	18.0	SURCHARGED
9.000	901	15	47.121	0.520	0.000	0.06	0.0	2.2	SURCHARGED
1.014	30	14	47.120	0.583	0.000	0.78	0.0	18.5	SURCHARGED

Summary Wizard of 720 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	20	47.320	0.155	0.000	0.15	0.0	2.7	SURCHARGED
1.001	4	20	47.317	0.187	0.000	0.21	0.0	4.0	SURCHARGED
1.002	6	20	47.313	0.223	0.000	0.18	0.0	3.8	SURCHARGED
1.003	8	20	47.309	0.266	0.000	0.31	0.0	5.9	SURCHARGED
1.004	10	20	47.303	0.299	0.000	0.53	0.0	7.8	SURCHARGED
1.005	12	20	47.297	0.314	0.000	0.37	0.0	5.7	SURCHARGED
1.006	14	20	47.292	0.331	0.000	0.36	0.0	5.6	SURCHARGED
1.007	16	20	47.285	0.352	0.000	0.55	0.0	12.1	SURCHARGED
2.000	201	20	47.264	0.386	0.000	0.08	0.0	2.5	SURCHARGED
1.008	18	20	47.264	0.422	0.000	0.87	0.0	18.5	SURCHARGED
3.000	301	17	47.241	0.391	0.000	0.05	0.0	1.7	SURCHARGED
1.009	20	17	47.240	0.454	0.000	0.60	0.0	13.2	SURCHARGED
4.000	401	16	47.211	0.484	0.000	0.08	0.0	2.2	SURCHARGED
1.010	22	16	47.210	0.505	0.000	0.96	0.0	15.1	SURCHARGED
1.011	24	17	47.196	0.510	0.000	0.65	0.0	14.3	SURCHARGED
5.000	34	21	47.206	0.189	0.000	0.06	0.0	1.0	SURCHARGED
5.001	36	21	47.205	0.217	0.000	0.20	0.0	4.4	SURCHARGED
5.002	38	20	47.200	0.302	0.000	0.46	0.0	10.1	SURCHARGED
5.003	40	15	47.191	0.370	0.000	0.38	0.0	8.3	SURCHARGED
6.000	601	15	47.185	0.392	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	15	47.185	0.432	0.000	0.42	0.0	8.5	SURCHARGED
7.000	701	15	47.179	0.448	0.000	0.14	0.0	2.1	SURCHARGED
5.005	44	15	47.178	0.469	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	16	47.169	0.544	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	16	47.164	0.560	0.000	0.71	0.0	15.1	SURCHARGED

Summary Wizard of 720 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	17	47.129	0.550	0.000	0.17	0.0	4.9	SURCHARGED
1.013	28	16	47.128	0.578	0.000	0.79	0.0	16.6	SURCHARGED
9.000	901	17	47.113	0.512	0.000	0.05	0.0	1.8	SURCHARGED
1.014	30	17	47.112	0.575	0.000	0.72	0.0	17.0	SURCHARGED

Summary Wizard of 960 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	22	47.269	0.104	0.000	0.12	0.0	2.2	SURCHARGED
1.001	4	22	47.267	0.137	0.000	0.17	0.0	3.3	SURCHARGED
1.002	6	22	47.263	0.173	0.000	0.15	0.0	3.2	SURCHARGED
1.003	8	22	47.260	0.217	0.000	0.26	0.0	4.9	SURCHARGED
1.004	10	22	47.255	0.251	0.000	0.44	0.0	6.4	SURCHARGED
1.005	12	22	47.250	0.267	0.000	0.27	0.0	4.2	SURCHARGED
1.006	14	22	47.246	0.285	0.000	0.27	0.0	4.1	SURCHARGED
1.007	16	22	47.240	0.307	0.000	0.40	0.0	8.8	SURCHARGED
2.000	201	23	47.223	0.345	0.000	0.07	0.0	2.2	SURCHARGED
1.008	18	22	47.223	0.381	0.000	0.71	0.0	15.3	SURCHARGED
3.000	301	20	47.203	0.353	0.000	0.04	0.0	1.6	SURCHARGED
1.009	20	20	47.202	0.416	0.000	0.54	0.0	11.8	SURCHARGED
4.000	401	19	47.179	0.452	0.000	0.07	0.0	1.9	SURCHARGED
1.010	22	19	47.179	0.474	0.000	0.86	0.0	13.5	SURCHARGED
1.011	24	19	47.167	0.481	0.000	0.59	0.0	12.9	SURCHARGED
5.000	34	22	47.179	0.162	0.000	0.06	0.0	1.0	SURCHARGED
5.001	36	22	47.178	0.190	0.000	0.16	0.0	3.6	SURCHARGED
5.002	38	22	47.174	0.276	0.000	0.37	0.0	8.1	SURCHARGED
5.003	40	17	47.166	0.345	0.000	0.34	0.0	7.3	SURCHARGED
6.000	601	17	47.160	0.367	0.000	0.05	0.0	1.6	SURCHARGED
5.004	42	17	47.160	0.407	0.000	0.38	0.0	7.6	SURCHARGED
7.000	701	17	47.154	0.423	0.000	0.12	0.0	1.8	SURCHARGED
5.005	44	17	47.154	0.445	0.000	0.31	0.0	6.8	SURCHARGED
5.006	46	18	47.145	0.520	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	18	47.140	0.536	0.000	0.60	0.0	12.9	SURCHARGED

Summary Wizard of 960 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	19	47.111	0.532	0.000	0.13	0.0	3.9	SURCHARGED
1.013	28	19	47.110	0.560	0.000	0.67	0.0	14.1	SURCHARGED
9.000	901	19	47.097	0.496	0.000	0.03	0.0	1.2	SURCHARGED
1.014	30	19	47.096	0.559	0.000	0.61	0.0	14.4	SURCHARGED

Summary Wizard of 1440 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	29	47.190	0.025	0.000	0.09	0.0	1.6	SURCHARGED
1.001	4	28	47.188	0.058	0.000	0.12	0.0	2.4	SURCHARGED
1.002	6	27	47.186	0.096	0.000	0.11	0.0	2.3	SURCHARGED
1.003	8	27	47.183	0.140	0.000	0.18	0.0	3.5	SURCHARGED
1.004	10	25	47.179	0.175	0.000	0.31	0.0	4.6	SURCHARGED
1.005	12	25	47.176	0.193	0.000	0.17	0.0	2.6	SURCHARGED
1.006	14	24	47.173	0.212	0.000	0.16	0.0	2.6	SURCHARGED
1.007	16	28	47.169	0.236	0.000	0.30	0.0	6.7	SURCHARGED
2.000	201	28	47.157	0.279	0.000	0.06	0.0	1.8	SURCHARGED
1.008	18	28	47.156	0.314	0.000	0.56	0.0	11.9	SURCHARGED
3.000	301	23	47.141	0.291	0.000	0.03	0.0	1.2	SURCHARGED
1.009	20	23	47.140	0.354	0.000	0.47	0.0	10.2	SURCHARGED
4.000	401	22	47.123	0.396	0.000	0.05	0.0	1.5	SURCHARGED
1.010	22	22	47.123	0.418	0.000	0.74	0.0	11.6	SURCHARGED
1.011	24	22	47.115	0.429	0.000	0.52	0.0	11.4	SURCHARGED
5.000	34	24	47.127	0.110	0.000	0.05	0.0	0.8	SURCHARGED
5.001	36	24	47.127	0.139	0.000	0.12	0.0	2.7	SURCHARGED
5.002	38	24	47.122	0.224	0.000	0.27	0.0	5.8	SURCHARGED
5.003	40	19	47.115	0.294	0.000	0.28	0.0	6.1	SURCHARGED
6.000	601	20	47.111	0.318	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	20	47.111	0.358	0.000	0.32	0.0	6.4	SURCHARGED
7.000	701	20	47.106	0.375	0.000	0.11	0.0	1.7	SURCHARGED
5.005	44	20	47.106	0.397	0.000	0.29	0.0	6.2	SURCHARGED
5.006	46	20	47.099	0.474	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	21	47.095	0.491	0.000	0.53	0.0	11.4	SURCHARGED

Summary Wizard of 1440 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	22	47.073	0.494	0.000	0.10	0.0	2.8	SURCHARGED
1.013	28	21	47.072	0.522	0.000	0.56	0.0	11.7	SURCHARGED
9.000	901	22	47.063	0.462	0.000	0.02	0.0	0.5	SURCHARGED
1.014	30	22	47.062	0.525	0.000	0.45	0.0	10.8	SURCHARGED

Summary Wizard of 2160 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	38	47.103	-0.062	0.000	0.06	0.0	1.1	OK
1.001	4	38	47.102	-0.028	0.000	0.09	0.0	1.7	OK
1.002	6	38	47.100	0.010	0.000	0.08	0.0	1.6	SURCHARGED
1.003	8	38	47.098	0.055	0.000	0.13	0.0	2.5	SURCHARGED
1.004	10	37	47.095	0.091	0.000	0.22	0.0	3.3	SURCHARGED
1.005	12	37	47.092	0.109	0.000	0.15	0.0	2.2	SURCHARGED
1.006	14	37	47.089	0.128	0.000	0.14	0.0	2.2	SURCHARGED
1.007	16	38	47.086	0.153	0.000	0.24	0.0	5.2	SURCHARGED
2.000	201	36	47.075	0.197	0.000	0.05	0.0	1.3	SURCHARGED
1.008	18	36	47.075	0.233	0.000	0.43	0.0	9.2	SURCHARGED
3.000	301	29	47.062	0.212	0.000	0.03	0.0	1.0	SURCHARGED
1.009	20	29	47.062	0.276	0.000	0.41	0.0	9.0	SURCHARGED
4.000	401	28	47.048	0.321	0.000	0.04	0.0	1.1	SURCHARGED
1.010	22	28	47.048	0.343	0.000	0.66	0.0	10.3	SURCHARGED
1.011	24	26	47.041	0.355	0.000	0.45	0.0	9.9	SURCHARGED
5.000	34	25	47.051	0.034	0.000	0.05	0.0	0.8	SURCHARGED
5.001	36	28	47.051	0.063	0.000	0.10	0.0	2.2	SURCHARGED
5.002	38	28	47.047	0.149	0.000	0.20	0.0	4.4	SURCHARGED
5.003	40	22	47.041	0.220	0.000	0.24	0.0	5.2	SURCHARGED
6.000	601	22	47.037	0.244	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	22	47.037	0.284	0.000	0.27	0.0	5.5	SURCHARGED
7.000	701	22	47.033	0.302	0.000	0.09	0.0	1.4	SURCHARGED
5.005	44	22	47.033	0.324	0.000	0.25	0.0	5.5	SURCHARGED
5.006	46	23	47.028	0.403	0.000	0.41	0.0	6.1	SURCHARGED
1.012	26	24	47.025	0.421	0.000	0.51	0.0	10.9	SURCHARGED

Summary Wizard of 2160 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	24	47.008	0.429	0.000	0.07	0.0	2.1	SURCHARGED
1.013	28	23	47.007	0.457	0.000	0.53	0.0	11.1	SURCHARGED
9.000	901	23	46.999	0.398	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	23	46.999	0.462	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2880 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	45	47.038	-0.127	0.000	0.05	0.0	0.9	OK
1.001	4	45	47.037	-0.093	0.000	0.07	0.0	1.4	OK
1.002	6	45	47.035	-0.055	0.000	0.07	0.0	1.4	OK
1.003	8	45	47.033	-0.010	0.000	0.11	0.0	2.0	OK
1.004	10	45	47.031	0.027	0.000	0.17	0.0	2.5	SURCHARGED
1.005	12	45	47.028	0.045	0.000	0.13	0.0	2.0	SURCHARGED
1.006	14	45	47.026	0.065	0.000	0.13	0.0	2.0	SURCHARGED
1.007	16	45	47.022	0.089	0.000	0.20	0.0	4.3	SURCHARGED
2.000	201	44	47.013	0.135	0.000	0.04	0.0	1.1	SURCHARGED
1.008	18	44	47.012	0.170	0.000	0.34	0.0	7.2	SURCHARGED
3.000	301	44	47.000	0.150	0.000	0.03	0.0	0.9	SURCHARGED
1.009	20	44	47.000	0.214	0.000	0.37	0.0	8.2	SURCHARGED
4.000	401	39	46.986	0.259	0.000	0.03	0.0	0.9	SURCHARGED
1.010	22	39	46.986	0.281	0.000	0.59	0.0	9.2	SURCHARGED
1.011	24	38	46.979	0.293	0.000	0.43	0.0	9.3	SURCHARGED
5.000	34	35	46.988	-0.029	0.000	0.05	0.0	0.8	OK
5.001	36	36	46.987	-0.001	0.000	0.09	0.0	2.0	OK
5.002	38	36	46.984	0.086	0.000	0.17	0.0	3.7	SURCHARGED
5.003	40	30	46.978	0.157	0.000	0.21	0.0	4.6	SURCHARGED
6.000	601	29	46.974	0.181	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	29	46.974	0.221	0.000	0.25	0.0	5.0	SURCHARGED
7.000	701	31	46.970	0.239	0.000	0.09	0.0	1.4	SURCHARGED
5.005	44	31	46.970	0.261	0.000	0.25	0.0	5.5	SURCHARGED
5.006	46	34	46.966	0.341	0.000	0.40	0.0	6.0	SURCHARGED
1.012	26	36	46.963	0.359	0.000	0.50	0.0	10.7	SURCHARGED

Summary Wizard of 2880 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	36	46.946	0.367	0.000	0.05	0.0	1.6	SURCHARGED
1.013	28	36	46.946	0.396	0.000	0.51	0.0	10.7	SURCHARGED
9.000	901	36	46.938	0.337	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	36	46.938	0.401	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 4320 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	70	46.971	-0.194	0.000	0.04	0.0	0.7	OK
1.001	4	68	46.944	-0.186	0.000	0.05	0.0	1.0	OK
1.002	6	60	46.929	-0.161	0.000	0.05	0.0	1.0	OK
1.003	8	57	46.927	-0.116	0.000	0.08	0.0	1.6	OK
1.004	10	54	46.924	-0.080	0.000	0.14	0.0	2.0	OK
1.005	12	51	46.922	-0.061	0.000	0.11	0.0	1.7	OK
1.006	14	52	46.920	-0.041	0.000	0.11	0.0	1.6	OK
1.007	16	54	46.918	-0.015	0.000	0.16	0.0	3.4	OK
2.000	201	54	46.909	0.031	0.000	0.03	0.0	0.8	SURCHARGED
1.008	18	54	46.909	0.067	0.000	0.25	0.0	5.4	SURCHARGED
3.000	301	53	46.899	0.049	0.000	0.02	0.0	0.6	SURCHARGED
1.009	20	53	46.898	0.112	0.000	0.31	0.0	6.8	SURCHARGED
4.000	401	51	46.883	0.156	0.000	0.02	0.0	0.7	SURCHARGED
1.010	22	51	46.882	0.177	0.000	0.48	0.0	7.5	SURCHARGED
1.011	24	51	46.875	0.189	0.000	0.36	0.0	7.8	SURCHARGED
5.000	34	51	46.885	-0.132	0.000	0.04	0.0	0.6	OK
5.001	36	51	46.885	-0.103	0.000	0.08	0.0	1.7	OK
5.002	38	51	46.881	-0.017	0.000	0.14	0.0	3.0	OK
5.003	40	51	46.876	0.055	0.000	0.18	0.0	3.8	SURCHARGED
6.000	601	48	46.871	0.078	0.000	0.04	0.0	1.3	SURCHARGED
5.004	42	48	46.871	0.118	0.000	0.22	0.0	4.4	SURCHARGED
7.000	701	48	46.865	0.134	0.000	0.08	0.0	1.2	SURCHARGED
5.005	44	48	46.865	0.156	0.000	0.24	0.0	5.3	SURCHARGED
5.006	46	49	46.860	0.235	0.000	0.39	0.0	5.8	SURCHARGED
1.012	26	49	46.857	0.253	0.000	0.47	0.0	10.1	SURCHARGED

Summary Wizard of 4320 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	49	46.838	0.259	0.000	0.04	0.0	1.2	SURCHARGED
1.013	28	49	46.837	0.287	0.000	0.47	0.0	9.9	SURCHARGED
9.000	901	49	46.828	0.227	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	49	46.828	0.291	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 5760 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	75	46.967	-0.198	0.000	0.03	0.0	0.5	OK
1.001	4	75	46.936	-0.194	0.000	0.04	0.0	0.8	OK
1.002	6	75	46.896	-0.194	0.000	0.04	0.0	0.8	OK
1.003	8	75	46.863	-0.180	0.000	0.07	0.0	1.3	OK
1.004	10	75	46.837	-0.167	0.000	0.11	0.0	1.6	OK
1.005	12	71	46.824	-0.159	0.000	0.10	0.0	1.6	OK
1.006	14	69	46.817	-0.144	0.000	0.10	0.0	1.6	OK
1.007	16	68	46.813	-0.120	0.000	0.14	0.0	3.1	OK
2.000	201	68	46.805	-0.073	0.000	0.02	0.0	0.6	OK
1.008	18	68	46.805	-0.037	0.000	0.22	0.0	4.8	OK
3.000	301	67	46.795	-0.055	0.000	0.01	0.0	0.5	OK
1.009	20	67	46.795	0.009	0.000	0.27	0.0	5.9	SURCHARGED
4.000	401	64	46.780	0.053	0.000	0.02	0.0	0.5	SURCHARGED
1.010	22	64	46.780	0.075	0.000	0.41	0.0	6.5	SURCHARGED
1.011	24	60	46.773	0.087	0.000	0.31	0.0	6.7	SURCHARGED
5.000	34	75	46.823	-0.194	0.000	0.03	0.0	0.5	OK
5.001	36	72	46.808	-0.180	0.000	0.06	0.0	1.4	OK
5.002	38	61	46.789	-0.109	0.000	0.11	0.0	2.5	OK
5.003	40	55	46.783	-0.038	0.000	0.15	0.0	3.2	OK
6.000	601	55	46.777	-0.016	0.000	0.03	0.0	1.0	OK
5.004	42	55	46.777	0.024	0.000	0.19	0.0	3.8	SURCHARGED
7.000	701	55	46.770	0.039	0.000	0.06	0.0	0.9	SURCHARGED
5.005	44	55	46.770	0.061	0.000	0.22	0.0	4.9	SURCHARGED
5.006	46	55	46.761	0.136	0.000	0.35	0.0	5.3	SURCHARGED
1.012	26	55	46.757	0.153	0.000	0.46	0.0	9.9	SURCHARGED

Summary Wizard of 5760 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	55	46.736	0.157	0.000	0.03	0.0	0.9	SURCHARGED
1.013	28	55	46.736	0.186	0.000	0.47	0.0	9.9	SURCHARGED
9.000	901	55	46.727	0.126	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	55	46.727	0.190	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 7200 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	81	46.965	-0.200	0.000	0.02	0.0	0.4	OK
1.001	4	81	46.933	-0.197	0.000	0.04	0.0	0.7	OK
1.002	6	80	46.893	-0.197	0.000	0.03	0.0	0.7	OK
1.003	8	80	46.858	-0.185	0.000	0.06	0.0	1.0	OK
1.004	10	80	46.830	-0.174	0.000	0.09	0.0	1.4	OK
1.005	12	80	46.808	-0.175	0.000	0.09	0.0	1.4	OK
1.006	14	80	46.787	-0.174	0.000	0.09	0.0	1.4	OK
1.007	16	80	46.762	-0.171	0.000	0.12	0.0	2.7	OK
2.000	201	78	46.716	-0.162	0.000	0.02	0.0	0.5	OK
1.008	18	78	46.715	-0.127	0.000	0.19	0.0	4.2	OK
3.000	301	78	46.706	-0.144	0.000	0.01	0.0	0.4	OK
1.009	20	78	46.706	-0.080	0.000	0.23	0.0	5.1	OK
4.000	401	77	46.692	-0.035	0.000	0.02	0.0	0.4	OK
1.010	22	77	46.692	-0.013	0.000	0.36	0.0	5.6	OK
1.011	24	77	46.685	-0.001	0.000	0.26	0.0	5.8	OK
5.000	34	80	46.820	-0.197	0.000	0.03	0.0	0.4	OK
5.001	36	80	46.796	-0.192	0.000	0.05	0.0	1.2	OK
5.002	38	79	46.725	-0.173	0.000	0.10	0.0	2.1	OK
5.003	40	77	46.697	-0.124	0.000	0.13	0.0	2.7	OK
6.000	601	76	46.690	-0.103	0.000	0.03	0.0	0.8	OK
5.004	42	77	46.690	-0.063	0.000	0.17	0.0	3.4	OK
7.000	701	75	46.684	-0.047	0.000	0.05	0.0	0.7	OK
5.005	44	75	46.683	-0.026	0.000	0.20	0.0	4.4	OK
5.006	46	75	46.674	0.049	0.000	0.32	0.0	4.8	SURCHARGED
1.012	26	75	46.670	0.066	0.000	0.46	0.0	9.8	SURCHARGED

Summary Wizard of 7200 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	75	46.648	0.069	0.000	0.03	0.0	0.8	SURCHARGED
1.013	28	75	46.648	0.098	0.000	0.47	0.0	10.0	SURCHARGED
9.000	901	75	46.639	0.038	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	75	46.639	0.102	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 8640 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	86	46.964	-0.201	0.000	0.02	0.0	0.4	OK
1.001	4	86	46.932	-0.198	0.000	0.03	0.0	0.6	OK
1.002	6	86	46.891	-0.199	0.000	0.03	0.0	0.6	OK
1.003	8	86	46.854	-0.189	0.000	0.05	0.0	0.9	OK
1.004	10	86	46.827	-0.177	0.000	0.08	0.0	1.2	OK
1.005	12	86	46.805	-0.178	0.000	0.08	0.0	1.2	OK
1.006	14	86	46.783	-0.178	0.000	0.08	0.0	1.2	OK
1.007	16	86	46.756	-0.177	0.000	0.10	0.0	2.3	OK
2.000	201	83	46.688	-0.190	0.000	0.01	0.0	0.4	OK
1.008	18	83	46.687	-0.155	0.000	0.17	0.0	3.6	OK
3.000	301	82	46.657	-0.193	0.000	0.01	0.0	0.4	OK
1.009	20	82	46.655	-0.131	0.000	0.20	0.0	4.5	OK
4.000	401	82	46.639	-0.088	0.000	0.01	0.0	0.4	OK
1.010	22	82	46.639	-0.066	0.000	0.31	0.0	4.9	OK
1.011	24	82	46.633	-0.053	0.000	0.23	0.0	5.0	OK
5.000	34	86	46.818	-0.199	0.000	0.02	0.0	0.4	OK
5.001	36	86	46.794	-0.194	0.000	0.05	0.0	1.0	OK
5.002	38	86	46.716	-0.182	0.000	0.08	0.0	1.8	OK
5.003	40	82	46.659	-0.162	0.000	0.11	0.0	2.3	OK
6.000	601	83	46.641	-0.152	0.000	0.02	0.0	0.6	OK
5.004	42	83	46.641	-0.112	0.000	0.16	0.0	3.1	OK
7.000	701	83	46.636	-0.095	0.000	0.04	0.0	0.6	OK
5.005	44	83	46.635	-0.074	0.000	0.20	0.0	4.4	OK
5.006	46	83	46.624	-0.001	0.000	0.31	0.0	4.6	OK
1.012	26	83	46.618	0.014	0.000	0.45	0.0	9.6	SURCHARGED

Summary Wizard of 8640 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	83	46.597	0.018	0.000	0.02	0.0	0.7	SURCHARGED
1.013	28	83	46.597	0.047	0.000	0.46	0.0	9.7	SURCHARGED
9.000	901	83	46.588	-0.013	0.000	0.01	0.0	0.3	OK
1.014	30	83	46.588	0.051	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 10080 minute 100 year Summer I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	87	46.963	-0.202	0.000	0.02	0.0	0.3	OK
1.001	4	87	46.930	-0.200	0.000	0.03	0.0	0.5	OK
1.002	6	87	46.890	-0.200	0.000	0.03	0.0	0.5	OK
1.003	8	87	46.852	-0.191	0.000	0.04	0.0	0.8	OK
1.004	10	87	46.824	-0.180	0.000	0.07	0.0	1.0	OK
1.005	12	87	46.802	-0.181	0.000	0.07	0.0	1.0	OK
1.006	14	87	46.780	-0.181	0.000	0.07	0.0	1.0	OK
1.007	16	87	46.754	-0.179	0.000	0.09	0.0	2.0	OK
2.000	201	87	46.678	-0.200	0.000	0.01	0.0	0.4	OK
1.008	18	87	46.675	-0.167	0.000	0.15	0.0	3.2	OK
3.000	301	87	46.640	-0.210	0.000	0.01	0.0	0.3	OK
1.009	20	87	46.627	-0.159	0.000	0.18	0.0	3.9	OK
4.000	401	87	46.578	-0.149	0.000	0.01	0.0	0.3	OK
1.010	22	87	46.578	-0.127	0.000	0.28	0.0	4.3	OK
1.011	24	87	46.562	-0.124	0.000	0.20	0.0	4.5	OK
5.000	34	87	46.817	-0.200	0.000	0.02	0.0	0.3	OK
5.001	36	87	46.792	-0.196	0.000	0.04	0.0	0.9	OK
5.002	38	87	46.713	-0.185	0.000	0.07	0.0	1.6	OK
5.003	40	87	46.643	-0.178	0.000	0.10	0.0	2.1	OK
6.000	601	87	46.598	-0.195	0.000	0.02	0.0	0.5	OK
5.004	42	87	46.596	-0.157	0.000	0.14	0.0	2.8	OK
7.000	701	87	46.573	-0.158	0.000	0.04	0.0	0.5	OK
5.005	44	87	46.572	-0.137	0.000	0.18	0.0	4.0	OK
5.006	46	87	46.555	-0.070	0.000	0.29	0.0	4.3	OK
1.012	26	87	46.549	-0.055	0.000	0.42	0.0	9.0	OK

Summary Wizard of 10080 minute 100 year Summer I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	87	46.528	-0.051	0.000	0.02	0.0	0.6	OK
1.013	28	87	46.528	-0.022	0.000	0.44	0.0	9.1	OK
9.000	901	87	46.520	-0.081	0.000	0.01	0.0	0.3	OK
1.014	30	87	46.519	-0.018	0.000	0.40	0.0	9.4	OK

Summary Wizard of 15 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	46	47.037	-0.128	0.000	0.30	0.0	5.4	OK
1.001	4	48	47.010	-0.120	0.000	0.39	0.0	7.6	OK
1.002	6	51	46.977	-0.113	0.000	0.33	0.0	6.9	OK
1.003	8	51	46.958	-0.085	0.000	0.50	0.0	9.5	OK
1.004	10	51	46.934	-0.070	0.000	0.81	0.0	11.9	OK
1.005	12	62	46.854	-0.129	0.000	0.30	0.0	4.5	OK
1.006	14	53	46.917	-0.044	0.000	0.30	0.0	4.7	OK
1.007	16	52	46.963	0.030	0.000	0.48	0.0	10.6	SURCHARGED
2.000	201	52	46.950	0.072	0.000	0.19	0.0	5.8	SURCHARGED
1.008	18	52	46.948	0.106	0.000	0.89	0.0	19.0	SURCHARGED
3.000	301	52	46.910	0.060	0.000	0.13	0.0	4.6	SURCHARGED
1.009	20	52	46.907	0.121	0.000	1.17	0.0	25.5	SURCHARGED
4.000	401	55	46.820	0.093	0.000	0.16	0.0	4.5	SURCHARGED
1.010	22	55	46.819	0.114	0.000	1.74	0.0	27.3	SURCHARGED
1.011	24	57	46.783	0.097	0.000	1.23	0.0	26.9	SURCHARGED
5.000	34	58	46.850	-0.167	0.000	0.11	0.0	1.7	OK
5.001	36	53	46.859	-0.129	0.000	0.32	0.0	7.1	OK
5.002	38	54	46.817	-0.081	0.000	0.70	0.0	15.3	OK
5.003	40	59	46.770	-0.051	0.000	0.93	0.0	20.0	OK
6.000	601	73	46.701	-0.092	0.000	0.06	0.0	1.8	OK
5.004	42	70	46.717	-0.036	0.000	1.00	0.0	20.1	OK
7.000	701	77	46.675	-0.056	0.000	0.60	0.0	9.0	OK
5.005	44	77	46.675	-0.034	0.000	0.68	0.0	14.8	OK
5.006	46	77	46.656	0.031	0.000	0.78	0.0	11.7	SURCHARGED
1.012	26	77	46.652	0.048	0.000	1.43	0.0	30.6	SURCHARGED

Summary Wizard of 15 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	78	46.621	0.042	0.000	0.34	0.0	10.1	SURCHARGED
1.013	28	78	46.621	0.071	0.000	0.56	0.0	11.8	SURCHARGED
9.000	901	78	46.612	0.011	0.000	0.15	0.0	5.1	SURCHARGED
1.014	30	78	46.612	0.075	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	51	47.028	-0.137	0.000	0.24	0.0	4.3	OK
1.001	4	52	47.003	-0.127	0.000	0.34	0.0	6.5	OK
1.002	6	52	46.971	-0.119	0.000	0.30	0.0	6.2	OK
1.003	8	52	46.951	-0.092	0.000	0.47	0.0	8.9	OK
1.004	10	52	46.928	-0.076	0.000	0.77	0.0	11.3	OK
1.005	12	55	46.878	-0.105	0.000	0.37	0.0	5.6	OK
1.006	14	51	46.950	-0.011	0.000	0.37	0.0	5.8	OK
1.007	16	51	46.964	0.031	0.000	0.41	0.0	9.1	SURCHARGED
2.000	201	51	46.959	0.081	0.000	0.14	0.0	4.3	SURCHARGED
1.008	18	51	46.955	0.113	0.000	0.81	0.0	17.4	SURCHARGED
3.000	301	51	46.918	0.068	0.000	0.10	0.0	3.6	SURCHARGED
1.009	20	51	46.915	0.129	0.000	1.08	0.0	23.7	SURCHARGED
4.000	401	54	46.825	0.098	0.000	0.15	0.0	4.1	SURCHARGED
1.010	22	54	46.823	0.118	0.000	1.70	0.0	26.7	SURCHARGED
1.011	24	54	46.788	0.102	0.000	1.26	0.0	27.4	SURCHARGED
5.000	34	53	46.856	-0.161	0.000	0.12	0.0	1.9	OK
5.001	36	56	46.852	-0.136	0.000	0.29	0.0	6.4	OK
5.002	38	56	46.809	-0.089	0.000	0.64	0.0	14.0	OK
5.003	40	61	46.762	-0.059	0.000	0.88	0.0	19.0	OK
6.000	601	67	46.722	-0.071	0.000	0.02	0.0	0.7	OK
5.004	42	67	46.722	-0.031	0.000	1.00	0.0	20.1	OK
7.000	701	70	46.709	-0.022	0.000	0.46	0.0	6.9	OK
5.005	44	70	46.709	0.000	0.000	0.65	0.0	14.2	SURCHARGED
5.006	46	70	46.702	0.077	0.000	0.70	0.0	10.4	SURCHARGED
1.012	26	70	46.699	0.095	0.000	1.45	0.0	30.9	SURCHARGED

Summary Wizard of 30 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	70	46.672	0.093	0.000	0.26	0.0	7.7	SURCHARGED
1.013	28	70	46.672	0.122	0.000	0.62	0.0	13.0	SURCHARGED
9.000	901	70	46.662	0.061	0.000	0.11	0.0	3.8	SURCHARGED
1.014	30	70	46.663	0.126	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 60 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	53	47.011	-0.154	0.000	0.17	0.0	3.0	OK
1.001	4	56	46.985	-0.145	0.000	0.24	0.0	4.6	OK
1.002	6	56	46.951	-0.139	0.000	0.22	0.0	4.5	OK
1.003	8	56	46.928	-0.115	0.000	0.35	0.0	6.7	OK
1.004	10	58	46.903	-0.101	0.000	0.59	0.0	8.6	OK
1.005	12	53	46.886	-0.097	0.000	0.31	0.0	4.7	OK
1.006	14	56	46.880	-0.081	0.000	0.31	0.0	4.9	OK
1.007	16	58	46.891	-0.042	0.000	0.33	0.0	7.2	OK
2.000	201	58	46.878	0.000	0.000	0.11	0.0	3.2	OK
1.008	18	58	46.875	0.033	0.000	0.67	0.0	14.3	SURCHARGED
3.000	301	59	46.846	-0.004	0.000	0.07	0.0	2.6	OK
1.009	20	59	46.843	0.057	0.000	0.89	0.0	19.4	SURCHARGED
4.000	401	58	46.793	0.066	0.000	0.10	0.0	2.8	SURCHARGED
1.010	22	59	46.793	0.088	0.000	1.36	0.0	21.4	SURCHARGED
1.011	24	61	46.771	0.085	0.000	1.01	0.0	22.1	SURCHARGED
5.000	34	54	46.854	-0.163	0.000	0.11	0.0	1.8	OK
5.001	36	59	46.841	-0.147	0.000	0.25	0.0	5.5	OK
5.002	38	60	46.789	-0.109	0.000	0.50	0.0	10.9	OK
5.003	40	63	46.760	-0.061	0.000	0.67	0.0	14.4	OK
6.000	601	60	46.750	-0.043	0.000	0.03	0.0	0.9	OK
5.004	42	60	46.751	-0.002	0.000	0.84	0.0	17.0	OK
7.000	701	60	46.743	0.012	0.000	0.31	0.0	4.6	SURCHARGED
5.005	44	60	46.744	0.035	0.000	0.62	0.0	13.6	SURCHARGED
5.006	46	60	46.742	0.117	0.000	0.67	0.0	10.1	SURCHARGED
1.012	26	60	46.742	0.138	0.000	1.25	0.0	26.6	SURCHARGED

Summary Wizard of 60 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	60	46.718	0.139	0.000	0.17	0.0	4.9	SURCHARGED
1.013	28	60	46.717	0.167	0.000	0.60	0.0	12.5	SURCHARGED
9.000	901	60	46.707	0.106	0.000	0.07	0.0	2.3	SURCHARGED
1.014	30	60	46.708	0.171	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 120 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	57	46.995	-0.170	0.000	0.11	0.0	1.9	OK
1.001	4	59	46.967	-0.163	0.000	0.15	0.0	2.9	OK
1.002	6	59	46.930	-0.160	0.000	0.14	0.0	2.9	OK
1.003	8	60	46.903	-0.140	0.000	0.23	0.0	4.4	OK
1.004	10	60	46.886	-0.118	0.000	0.39	0.0	5.7	OK
1.005	12	56	46.877	-0.106	0.000	0.24	0.0	3.6	OK
1.006	14	58	46.873	-0.088	0.000	0.24	0.0	3.7	OK
1.007	16	60	46.868	-0.065	0.000	0.31	0.0	6.7	OK
2.000	201	60	46.851	-0.027	0.000	0.07	0.0	2.0	OK
1.008	18	60	46.851	0.009	0.000	0.53	0.0	11.3	SURCHARGED
3.000	301	60	46.830	-0.020	0.000	0.05	0.0	1.7	OK
1.009	20	60	46.829	0.043	0.000	0.67	0.0	14.6	SURCHARGED
4.000	401	57	46.799	0.072	0.000	0.06	0.0	1.8	SURCHARGED
1.010	22	56	46.798	0.093	0.000	1.02	0.0	15.9	SURCHARGED
1.011	24	56	46.784	0.098	0.000	0.75	0.0	16.4	SURCHARGED
5.000	34	60	46.847	-0.170	0.000	0.09	0.0	1.4	OK
5.001	36	61	46.829	-0.159	0.000	0.19	0.0	4.2	OK
5.002	38	63	46.780	-0.118	0.000	0.36	0.0	7.8	OK
5.003	40	58	46.772	-0.049	0.000	0.47	0.0	10.1	OK
6.000	601	57	46.766	-0.027	0.000	0.06	0.0	1.7	OK
5.004	42	57	46.766	0.013	0.000	0.59	0.0	11.9	SURCHARGED
7.000	701	57	46.760	0.029	0.000	0.19	0.0	2.9	SURCHARGED
5.005	44	57	46.760	0.051	0.000	0.54	0.0	11.8	SURCHARGED
5.006	46	57	46.755	0.130	0.000	0.70	0.0	10.4	SURCHARGED
1.012	26	57	46.755	0.151	0.000	1.00	0.0	21.3	SURCHARGED

Summary Wizard of 120 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	57	46.734	0.155	0.000	0.11	0.0	3.2	SURCHARGED
1.013	28	57	46.733	0.183	0.000	0.54	0.0	11.3	SURCHARGED
9.000	901	57	46.724	0.123	0.000	0.04	0.0	1.3	SURCHARGED
1.014	30	57	46.724	0.187	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 180 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	61	46.988	-0.177	0.000	0.08	0.0	1.4	OK
1.001	4	61	46.958	-0.172	0.000	0.12	0.0	2.2	OK
1.002	6	62	46.920	-0.170	0.000	0.11	0.0	2.2	OK
1.003	8	63	46.892	-0.151	0.000	0.18	0.0	3.3	OK
1.004	10	63	46.872	-0.132	0.000	0.29	0.0	4.3	OK
1.005	12	59	46.861	-0.122	0.000	0.19	0.0	2.9	OK
1.006	14	62	46.856	-0.105	0.000	0.19	0.0	3.0	OK
1.007	16	62	46.852	-0.081	0.000	0.28	0.0	6.2	OK
2.000	201	61	46.837	-0.041	0.000	0.05	0.0	1.5	OK
1.008	18	61	46.837	-0.005	0.000	0.46	0.0	9.8	OK
3.000	301	61	46.819	-0.031	0.000	0.04	0.0	1.3	OK
1.009	20	61	46.818	0.032	0.000	0.57	0.0	12.4	SURCHARGED
4.000	401	60	46.792	0.065	0.000	0.05	0.0	1.4	SURCHARGED
1.010	22	60	46.791	0.086	0.000	0.86	0.0	13.5	SURCHARGED
1.011	24	58	46.780	0.094	0.000	0.64	0.0	13.9	SURCHARGED
5.000	34	63	46.842	-0.175	0.000	0.07	0.0	1.2	OK
5.001	36	64	46.822	-0.166	0.000	0.15	0.0	3.4	OK
5.002	38	64	46.780	-0.118	0.000	0.28	0.0	6.2	OK
5.003	40	57	46.773	-0.048	0.000	0.36	0.0	7.9	OK
6.000	601	58	46.766	-0.027	0.000	0.06	0.0	1.7	OK
5.004	42	58	46.766	0.013	0.000	0.46	0.0	9.2	SURCHARGED
7.000	701	58	46.760	0.029	0.000	0.14	0.0	2.2	SURCHARGED
5.005	44	58	46.760	0.051	0.000	0.46	0.0	10.0	SURCHARGED
5.006	46	58	46.755	0.130	0.000	0.57	0.0	8.5	SURCHARGED
1.012	26	58	46.754	0.150	0.000	0.80	0.0	17.0	SURCHARGED

Summary Wizard of 180 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	58	46.733	0.154	0.000	0.08	0.0	2.4	SURCHARGED
1.013	28	58	46.732	0.182	0.000	0.51	0.0	10.8	SURCHARGED
9.000	901	58	46.723	0.122	0.000	0.03	0.0	1.0	SURCHARGED
1.014	30	58	46.723	0.186	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 240 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	63	46.983	-0.182	0.000	0.07	0.0	1.2	OK
1.001	4	63	46.953	-0.177	0.000	0.10	0.0	1.8	OK
1.002	6	65	46.915	-0.175	0.000	0.09	0.0	1.8	OK
1.003	8	65	46.885	-0.158	0.000	0.14	0.0	2.7	OK
1.004	10	65	46.861	-0.143	0.000	0.24	0.0	3.5	OK
1.005	12	64	46.847	-0.136	0.000	0.16	0.0	2.5	OK
1.006	14	64	46.840	-0.121	0.000	0.16	0.0	2.4	OK
1.007	16	64	46.834	-0.099	0.000	0.26	0.0	5.6	OK
2.000	201	64	46.821	-0.057	0.000	0.04	0.0	1.3	OK
1.008	18	64	46.820	-0.022	0.000	0.41	0.0	8.8	OK
3.000	301	65	46.804	-0.046	0.000	0.03	0.0	1.1	OK
1.009	20	64	46.804	0.018	0.000	0.50	0.0	10.8	SURCHARGED
4.000	401	63	46.781	0.054	0.000	0.04	0.0	1.1	SURCHARGED
1.010	22	63	46.780	0.075	0.000	0.75	0.0	11.8	SURCHARGED
1.011	24	62	46.770	0.084	0.000	0.56	0.0	12.1	SURCHARGED
5.000	34	65	46.838	-0.179	0.000	0.06	0.0	1.0	OK
5.001	36	65	46.817	-0.171	0.000	0.13	0.0	2.9	OK
5.002	38	66	46.775	-0.123	0.000	0.24	0.0	5.2	OK
5.003	40	60	46.769	-0.052	0.000	0.31	0.0	6.6	OK
6.000	601	59	46.762	-0.031	0.000	0.06	0.0	1.6	OK
5.004	42	59	46.762	0.009	0.000	0.38	0.0	7.6	SURCHARGED
7.000	701	59	46.756	0.025	0.000	0.12	0.0	1.8	SURCHARGED
5.005	44	59	46.756	0.047	0.000	0.39	0.0	8.5	SURCHARGED
5.006	46	59	46.750	0.125	0.000	0.50	0.0	7.4	SURCHARGED
1.012	26	59	46.747	0.143	0.000	0.72	0.0	15.3	SURCHARGED

Summary Wizard of 240 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	59	46.726	0.147	0.000	0.07	0.0	2.0	SURCHARGED
1.013	28	59	46.726	0.176	0.000	0.49	0.0	10.4	SURCHARGED
9.000	901	59	46.717	0.116	0.000	0.02	0.0	0.8	SURCHARGED
1.014	30	59	46.717	0.180	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 360 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	66	46.976	-0.189	0.000	0.05	0.0	0.9	OK
1.001	4	66	46.947	-0.183	0.000	0.07	0.0	1.4	OK
1.002	6	67	46.907	-0.183	0.000	0.07	0.0	1.4	OK
1.003	8	68	46.875	-0.168	0.000	0.11	0.0	2.1	OK
1.004	10	68	46.850	-0.154	0.000	0.18	0.0	2.7	OK
1.005	12	68	46.830	-0.153	0.000	0.15	0.0	2.3	OK
1.006	14	70	46.814	-0.147	0.000	0.15	0.0	2.3	OK
1.007	16	70	46.801	-0.132	0.000	0.21	0.0	4.7	OK
2.000	201	69	46.788	-0.090	0.000	0.03	0.0	1.0	OK
1.008	18	69	46.788	-0.054	0.000	0.34	0.0	7.2	OK
3.000	301	69	46.774	-0.076	0.000	0.02	0.0	0.8	OK
1.009	20	69	46.774	-0.012	0.000	0.40	0.0	8.8	OK
4.000	401	69	46.755	0.028	0.000	0.03	0.0	0.8	SURCHARGED
1.010	22	69	46.755	0.050	0.000	0.61	0.0	9.6	SURCHARGED
1.011	24	68	46.746	0.060	0.000	0.45	0.0	9.9	SURCHARGED
5.000	34	68	46.832	-0.185	0.000	0.05	0.0	0.8	OK
5.001	36	69	46.811	-0.177	0.000	0.10	0.0	2.2	OK
5.002	38	69	46.757	-0.141	0.000	0.18	0.0	4.0	OK
5.003	40	65	46.751	-0.070	0.000	0.24	0.0	5.1	OK
6.000	601	62	46.745	-0.048	0.000	0.06	0.0	1.7	OK
5.004	42	62	46.745	-0.008	0.000	0.29	0.0	5.9	OK
7.000	701	62	46.739	0.008	0.000	0.09	0.0	1.3	SURCHARGED
5.005	44	62	46.738	0.029	0.000	0.32	0.0	7.0	SURCHARGED
5.006	46	64	46.731	0.106	0.000	0.45	0.0	6.7	SURCHARGED
1.012	26	64	46.727	0.123	0.000	0.63	0.0	13.4	SURCHARGED

Summary Wizard of 360 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	64	46.706	0.127	0.000	0.05	0.0	1.5	SURCHARGED
1.013	28	64	46.705	0.155	0.000	0.48	0.0	10.2	SURCHARGED
9.000	901	64	46.696	0.095	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	64	46.696	0.159	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 480 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	69	46.972	-0.193	0.000	0.04	0.0	0.7	OK
1.001	4	70	46.942	-0.188	0.000	0.06	0.0	1.1	OK
1.002	6	71	46.902	-0.188	0.000	0.05	0.0	1.1	OK
1.003	8	71	46.869	-0.174	0.000	0.09	0.0	1.7	OK
1.004	10	71	46.843	-0.161	0.000	0.15	0.0	2.2	OK
1.005	12	73	46.821	-0.162	0.000	0.13	0.0	2.0	OK
1.006	14	73	46.801	-0.160	0.000	0.13	0.0	2.0	OK
1.007	16	72	46.780	-0.153	0.000	0.18	0.0	4.0	OK
2.000	201	72	46.754	-0.124	0.000	0.03	0.0	0.8	OK
1.008	18	72	46.754	-0.088	0.000	0.29	0.0	6.3	OK
3.000	301	72	46.743	-0.107	0.000	0.02	0.0	0.7	OK
1.009	20	72	46.742	-0.044	0.000	0.35	0.0	7.6	OK
4.000	401	72	46.725	-0.002	0.000	0.02	0.0	0.7	OK
1.010	22	72	46.725	0.020	0.000	0.52	0.0	8.2	SURCHARGED
1.011	24	72	46.717	0.031	0.000	0.39	0.0	8.4	SURCHARGED
5.000	34	70	46.828	-0.189	0.000	0.04	0.0	0.7	OK
5.001	36	73	46.806	-0.182	0.000	0.08	0.0	1.8	OK
5.002	38	72	46.739	-0.159	0.000	0.15	0.0	3.3	OK
5.003	40	72	46.725	-0.096	0.000	0.20	0.0	4.2	OK
6.000	601	69	46.719	-0.074	0.000	0.05	0.0	1.4	OK
5.004	42	69	46.718	-0.035	0.000	0.25	0.0	5.0	OK
7.000	701	68	46.713	-0.018	0.000	0.07	0.0	1.1	OK
5.005	44	68	46.712	0.003	0.000	0.28	0.0	6.2	SURCHARGED
5.006	46	68	46.704	0.079	0.000	0.39	0.0	5.9	SURCHARGED
1.012	26	67	46.700	0.096	0.000	0.58	0.0	12.3	SURCHARGED

Summary Wizard of 480 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	67	46.678	0.099	0.000	0.04	0.0	1.2	SURCHARGED
1.013	28	67	46.678	0.128	0.000	0.48	0.0	10.2	SURCHARGED
9.000	901	68	46.669	0.068	0.000	0.02	0.0	0.5	SURCHARGED
1.014	30	67	46.669	0.132	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 600 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	73	46.969	-0.196	0.000	0.03	0.0	0.6	OK
1.001	4	73	46.938	-0.192	0.000	0.05	0.0	0.9	OK
1.002	6	73	46.899	-0.191	0.000	0.05	0.0	0.9	OK
1.003	8	73	46.865	-0.178	0.000	0.08	0.0	1.4	OK
1.004	10	74	46.838	-0.166	0.000	0.13	0.0	1.9	OK
1.005	12	75	46.816	-0.167	0.000	0.12	0.0	1.8	OK
1.006	14	75	46.794	-0.167	0.000	0.11	0.0	1.8	OK
1.007	16	76	46.769	-0.164	0.000	0.16	0.0	3.5	OK
2.000	201	76	46.725	-0.153	0.000	0.02	0.0	0.7	OK
1.008	18	76	46.724	-0.118	0.000	0.26	0.0	5.5	OK
3.000	301	76	46.714	-0.136	0.000	0.02	0.0	0.6	OK
1.009	20	76	46.713	-0.073	0.000	0.30	0.0	6.6	OK
4.000	401	76	46.698	-0.029	0.000	0.02	0.0	0.6	OK
1.010	22	76	46.698	-0.007	0.000	0.46	0.0	7.2	OK
1.011	24	76	46.690	0.004	0.000	0.34	0.0	7.3	SURCHARGED
5.000	34	73	46.825	-0.192	0.000	0.04	0.0	0.6	OK
5.001	36	75	46.802	-0.186	0.000	0.07	0.0	1.6	OK
5.002	38	77	46.728	-0.170	0.000	0.13	0.0	2.8	OK
5.003	40	76	46.700	-0.121	0.000	0.17	0.0	3.6	OK
6.000	601	75	46.693	-0.100	0.000	0.05	0.0	1.4	OK
5.004	42	76	46.693	-0.060	0.000	0.22	0.0	4.5	OK
7.000	701	74	46.687	-0.044	0.000	0.06	0.0	0.9	OK
5.005	44	74	46.687	-0.022	0.000	0.26	0.0	5.7	OK
5.006	46	74	46.678	0.053	0.000	0.39	0.0	5.9	SURCHARGED
1.012	26	74	46.673	0.069	0.000	0.54	0.0	11.6	SURCHARGED

Summary Wizard of 600 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	73	46.652	0.073	0.000	0.04	0.0	1.0	SURCHARGED
1.013	28	73	46.652	0.102	0.000	0.47	0.0	9.9	SURCHARGED
9.000	901	73	46.643	0.042	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	73	46.643	0.106	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 720 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	76	46.967	-0.198	0.000	0.03	0.0	0.5	OK
1.001	4	77	46.936	-0.194	0.000	0.04	0.0	0.8	OK
1.002	6	77	46.896	-0.194	0.000	0.04	0.0	0.8	OK
1.003	8	77	46.862	-0.181	0.000	0.07	0.0	1.3	OK
1.004	10	78	46.834	-0.170	0.000	0.11	0.0	1.6	OK
1.005	12	78	46.812	-0.171	0.000	0.10	0.0	1.6	OK
1.006	14	78	46.790	-0.171	0.000	0.10	0.0	1.6	OK
1.007	16	79	46.764	-0.169	0.000	0.14	0.0	3.1	OK
2.000	201	79	46.706	-0.172	0.000	0.02	0.0	0.6	OK
1.008	18	79	46.706	-0.136	0.000	0.23	0.0	4.9	OK
3.000	301	79	46.689	-0.161	0.000	0.01	0.0	0.5	OK
1.009	20	79	46.688	-0.098	0.000	0.27	0.0	6.0	OK
4.000	401	79	46.674	-0.053	0.000	0.02	0.0	0.5	OK
1.010	22	79	46.674	-0.031	0.000	0.41	0.0	6.4	OK
1.011	24	79	46.667	-0.019	0.000	0.30	0.0	6.6	OK
5.000	34	78	46.822	-0.195	0.000	0.03	0.0	0.5	OK
5.001	36	78	46.800	-0.188	0.000	0.06	0.0	1.4	OK
5.002	38	80	46.723	-0.175	0.000	0.11	0.0	2.5	OK
5.003	40	79	46.679	-0.142	0.000	0.15	0.0	3.2	OK
6.000	601	79	46.672	-0.121	0.000	0.04	0.0	1.3	OK
5.004	42	79	46.671	-0.082	0.000	0.20	0.0	4.1	OK
7.000	701	78	46.665	-0.066	0.000	0.05	0.0	0.8	OK
5.005	44	78	46.665	-0.044	0.000	0.25	0.0	5.4	OK
5.006	46	78	46.655	0.030	0.000	0.37	0.0	5.5	SURCHARGED
1.012	26	78	46.651	0.047	0.000	0.52	0.0	11.1	SURCHARGED

Summary Wizard of 720 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	77	46.630	0.051	0.000	0.03	0.0	0.9	SURCHARGED
1.013	28	77	46.629	0.079	0.000	0.48	0.0	10.1	SURCHARGED
9.000	901	77	46.621	0.020	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	77	46.620	0.083	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 960 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	82	46.965	-0.200	0.000	0.02	0.0	0.4	OK
1.001	4	82	46.933	-0.197	0.000	0.03	0.0	0.7	OK
1.002	6	82	46.893	-0.197	0.000	0.03	0.0	0.7	OK
1.003	8	82	46.857	-0.186	0.000	0.05	0.0	1.0	OK
1.004	10	82	46.829	-0.175	0.000	0.09	0.0	1.3	OK
1.005	12	81	46.807	-0.176	0.000	0.08	0.0	1.3	OK
1.006	14	81	46.785	-0.176	0.000	0.08	0.0	1.3	OK
1.007	16	82	46.759	-0.174	0.000	0.12	0.0	2.5	OK
2.000	201	82	46.688	-0.190	0.000	0.02	0.0	0.5	OK
1.008	18	82	46.687	-0.155	0.000	0.19	0.0	4.0	OK
3.000	301	84	46.654	-0.196	0.000	0.01	0.0	0.4	OK
1.009	20	84	46.652	-0.134	0.000	0.23	0.0	4.9	OK
4.000	401	84	46.634	-0.093	0.000	0.01	0.0	0.4	OK
1.010	22	84	46.634	-0.071	0.000	0.34	0.0	5.3	OK
1.011	24	84	46.627	-0.059	0.000	0.25	0.0	5.4	OK
5.000	34	81	46.819	-0.198	0.000	0.03	0.0	0.4	OK
5.001	36	82	46.796	-0.192	0.000	0.05	0.0	1.1	OK
5.002	38	82	46.719	-0.179	0.000	0.09	0.0	2.0	OK
5.003	40	84	46.657	-0.164	0.000	0.12	0.0	2.6	OK
6.000	601	84	46.636	-0.157	0.000	0.03	0.0	0.9	OK
5.004	42	84	46.636	-0.117	0.000	0.17	0.0	3.4	OK
7.000	701	84	46.631	-0.100	0.000	0.04	0.0	0.7	OK
5.005	44	84	46.630	-0.079	0.000	0.22	0.0	4.8	OK
5.006	46	84	46.619	-0.006	0.000	0.32	0.0	4.8	OK
1.012	26	84	46.613	0.009	0.000	0.48	0.0	10.2	SURCHARGED

Summary Wizard of 960 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	84	46.592	0.013	0.000	0.03	0.0	0.7	SURCHARGED
1.013	28	84	46.592	0.042	0.000	0.47	0.0	9.8	SURCHARGED
9.000	901	84	46.583	-0.018	0.000	0.01	0.0	0.4	OK
1.014	30	84	46.583	0.046	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 1440 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	89	46.963	-0.202	0.000	0.02	0.0	0.3	OK
1.001	4	89	46.930	-0.200	0.000	0.03	0.0	0.5	OK
1.002	6	90	46.889	-0.201	0.000	0.02	0.0	0.5	OK
1.003	8	90	46.851	-0.192	0.000	0.04	0.0	0.8	OK
1.004	10	90	46.823	-0.181	0.000	0.07	0.0	1.0	OK
1.005	12	90	46.800	-0.183	0.000	0.06	0.0	1.0	OK
1.006	14	89	46.779	-0.182	0.000	0.06	0.0	1.0	OK
1.007	16	90	46.752	-0.181	0.000	0.09	0.0	1.9	OK
2.000	201	90	46.677	-0.201	0.000	0.01	0.0	0.4	OK
1.008	18	90	46.673	-0.169	0.000	0.14	0.0	3.0	OK
3.000	301	90	46.638	-0.212	0.000	0.01	0.0	0.3	OK
1.009	20	90	46.623	-0.163	0.000	0.17	0.0	3.7	OK
4.000	401	90	46.563	-0.164	0.000	0.01	0.0	0.3	OK
1.010	22	90	46.562	-0.143	0.000	0.26	0.0	4.1	OK
1.011	24	90	46.538	-0.148	0.000	0.19	0.0	4.2	OK
5.000	34	90	46.816	-0.201	0.000	0.02	0.0	0.3	OK
5.001	36	90	46.791	-0.197	0.000	0.04	0.0	0.8	OK
5.002	38	90	46.711	-0.187	0.000	0.07	0.0	1.5	OK
5.003	40	90	46.641	-0.180	0.000	0.09	0.0	2.0	OK
6.000	601	90	46.593	-0.200	0.000	0.01	0.0	0.4	OK
5.004	42	90	46.587	-0.166	0.000	0.13	0.0	2.7	OK
7.000	701	90	46.556	-0.175	0.000	0.03	0.0	0.5	OK
5.005	44	90	46.553	-0.156	0.000	0.17	0.0	3.8	OK
5.006	46	90	46.517	-0.108	0.000	0.28	0.0	4.2	OK
1.012	26	89	46.507	-0.097	0.000	0.40	0.0	8.6	OK

Summary Wizard of 1440 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	89	46.487	-0.092	0.000	0.02	0.0	0.6	OK
1.013	28	89	46.487	-0.063	0.000	0.42	0.0	8.8	OK
9.000	901	89	46.479	-0.122	0.000	0.01	0.0	0.3	OK
1.014	30	89	46.478	-0.059	0.000	0.38	0.0	9.0	OK

Summary Wizard of 2160 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	98	46.957	-0.208	0.000	0.01	0.0	0.2	OK
1.001	4	97	46.927	-0.203	0.000	0.02	0.0	0.4	OK
1.002	6	97	46.886	-0.204	0.000	0.02	0.0	0.4	OK
1.003	8	97	46.846	-0.197	0.000	0.03	0.0	0.6	OK
1.004	10	97	46.816	-0.188	0.000	0.05	0.0	0.7	OK
1.005	12	97	46.794	-0.189	0.000	0.05	0.0	0.7	OK
1.006	14	97	46.772	-0.189	0.000	0.05	0.0	0.7	OK
1.007	16	97	46.745	-0.188	0.000	0.06	0.0	1.4	OK
2.000	201	97	46.671	-0.207	0.000	0.01	0.0	0.3	OK
1.008	18	97	46.665	-0.177	0.000	0.10	0.0	2.2	OK
3.000	301	97	46.634	-0.216	0.000	0.01	0.0	0.2	OK
1.009	20	97	46.614	-0.172	0.000	0.13	0.0	2.8	OK
4.000	401	97	46.549	-0.178	0.000	0.01	0.0	0.2	OK
1.010	22	97	46.549	-0.156	0.000	0.20	0.0	3.1	OK
1.011	24	97	46.521	-0.165	0.000	0.14	0.0	3.2	OK
5.000	34	97	46.812	-0.205	0.000	0.01	0.0	0.2	OK
5.001	36	97	46.788	-0.200	0.000	0.03	0.0	0.6	OK
5.002	38	97	46.705	-0.193	0.000	0.05	0.0	1.1	OK
5.003	40	97	46.634	-0.187	0.000	0.07	0.0	1.5	OK
6.000	601	97	46.585	-0.208	0.000	0.01	0.0	0.3	OK
5.004	42	97	46.577	-0.176	0.000	0.10	0.0	2.0	OK
7.000	701	97	46.544	-0.187	0.000	0.02	0.0	0.4	OK
5.005	44	97	46.539	-0.170	0.000	0.13	0.0	2.8	OK
5.006	46	97	46.490	-0.135	0.000	0.21	0.0	3.1	OK
1.012	26	97	46.477	-0.127	0.000	0.30	0.0	6.4	OK

Summary Wizard of 2160 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	97	46.448	-0.131	0.000	0.01	0.0	0.4	OK
1.013	28	97	46.448	-0.102	0.000	0.31	0.0	6.5	OK
9.000	901	97	46.442	-0.159	0.000	0.01	0.0	0.2	OK
1.014	30	97	46.442	-0.095	0.000	0.28	0.0	6.7	OK

Summary Wizard of 2880 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	92	46.961	-0.204	0.000	0.02	0.0	0.3	OK
1.001	4	102	46.923	-0.207	0.000	0.02	0.0	0.3	OK
1.002	6	102	46.882	-0.208	0.000	0.01	0.0	0.3	OK
1.003	8	102	46.843	-0.200	0.000	0.02	0.0	0.5	OK
1.004	10	102	46.812	-0.192	0.000	0.04	0.0	0.6	OK
1.005	12	102	46.790	-0.193	0.000	0.04	0.0	0.6	OK
1.006	14	102	46.768	-0.193	0.000	0.04	0.0	0.6	OK
1.007	16	102	46.741	-0.192	0.000	0.05	0.0	1.2	OK
2.000	201	102	46.667	-0.211	0.000	0.01	0.0	0.2	OK
1.008	18	102	46.661	-0.181	0.000	0.09	0.0	1.8	OK
3.000	301	102	46.632	-0.218	0.000	0.01	0.0	0.2	OK
1.009	20	102	46.609	-0.177	0.000	0.10	0.0	2.3	OK
4.000	401	102	46.541	-0.186	0.000	0.01	0.0	0.2	OK
1.010	22	102	46.541	-0.164	0.000	0.16	0.0	2.5	OK
1.011	24	102	46.513	-0.173	0.000	0.12	0.0	2.6	OK
5.000	34	102	46.809	-0.208	0.000	0.01	0.0	0.2	OK
5.001	36	102	46.786	-0.202	0.000	0.02	0.0	0.5	OK
5.002	38	102	46.702	-0.196	0.000	0.04	0.0	0.9	OK
5.003	40	102	46.630	-0.191	0.000	0.05	0.0	1.2	OK
6.000	601	102	46.580	-0.213	0.000	0.01	0.0	0.2	OK
5.004	42	102	46.572	-0.181	0.000	0.08	0.0	1.6	OK
7.000	701	102	46.538	-0.193	0.000	0.02	0.0	0.3	OK
5.005	44	102	46.532	-0.177	0.000	0.10	0.0	2.3	OK
5.006	46	102	46.478	-0.147	0.000	0.17	0.0	2.5	OK
1.012	26	102	46.463	-0.141	0.000	0.24	0.0	5.2	OK

Summary Wizard of 2880 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	102	46.431	-0.148	0.000	0.01	0.0	0.3	OK
1.013	28	102	46.431	-0.119	0.000	0.25	0.0	5.2	OK
9.000	901	102	46.425	-0.176	0.000	0.00	0.0	0.2	OK
1.014	30	102	46.425	-0.112	0.000	0.23	0.0	5.4	OK

Summary Wizard of 4320 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	106	46.950	-0.215	0.000	0.01	0.0	0.1	OK
1.001	4	106	46.918	-0.212	0.000	0.01	0.0	0.2	OK
1.002	6	106	46.878	-0.212	0.000	0.01	0.0	0.2	OK
1.003	8	106	46.841	-0.202	0.000	0.02	0.0	0.3	OK
1.004	10	106	46.807	-0.197	0.000	0.03	0.0	0.4	OK
1.005	12	106	46.786	-0.197	0.000	0.03	0.0	0.4	OK
1.006	14	106	46.764	-0.197	0.000	0.03	0.0	0.4	OK
1.007	16	106	46.737	-0.196	0.000	0.04	0.0	0.9	OK
2.000	201	106	46.662	-0.216	0.000	0.01	0.0	0.2	OK
1.008	18	106	46.654	-0.188	0.000	0.06	0.0	1.4	OK
3.000	301	106	46.630	-0.220	0.000	0.00	0.0	0.1	OK
1.009	20	106	46.602	-0.184	0.000	0.08	0.0	1.7	OK
4.000	401	106	46.533	-0.194	0.000	0.01	0.0	0.1	OK
1.010	22	106	46.533	-0.172	0.000	0.12	0.0	1.9	OK
1.011	24	106	46.506	-0.180	0.000	0.09	0.0	1.9	OK
5.000	34	106	46.804	-0.213	0.000	0.01	0.0	0.1	OK
5.001	36	106	46.781	-0.207	0.000	0.02	0.0	0.4	OK
5.002	38	106	46.699	-0.199	0.000	0.03	0.0	0.7	OK
5.003	40	106	46.625	-0.196	0.000	0.04	0.0	0.9	OK
6.000	601	106	46.575	-0.218	0.000	0.00	0.0	0.1	OK
5.004	42	106	46.564	-0.189	0.000	0.06	0.0	1.2	OK
7.000	701	106	46.532	-0.199	0.000	0.02	0.0	0.2	OK
5.005	44	106	46.525	-0.184	0.000	0.08	0.0	1.7	OK
5.006	46	106	46.465	-0.160	0.000	0.12	0.0	1.8	OK
1.012	26	106	46.449	-0.155	0.000	0.18	0.0	3.9	OK

Summary Wizard of 4320 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	106	46.413	-0.166	0.000	0.01	0.0	0.3	OK
1.013	28	106	46.412	-0.138	0.000	0.18	0.0	3.8	OK
9.000	901	106	46.406	-0.195	0.000	0.00	0.0	0.1	OK
1.014	30	106	46.406	-0.131	0.000	0.16	0.0	3.9	OK

Summary Wizard of 5760 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	110	46.948	-0.217	0.000	0.01	0.0	0.1	OK
1.001	4	110	46.916	-0.214	0.000	0.01	0.0	0.2	OK
1.002	6	110	46.875	-0.215	0.000	0.01	0.0	0.2	OK
1.003	8	110	46.837	-0.206	0.000	0.01	0.0	0.3	OK
1.004	10	110	46.805	-0.199	0.000	0.02	0.0	0.4	OK
1.005	12	110	46.783	-0.200	0.000	0.02	0.0	0.4	OK
1.006	14	110	46.761	-0.200	0.000	0.02	0.0	0.4	OK
1.007	16	110	46.734	-0.199	0.000	0.03	0.0	0.7	OK
2.000	201	110	46.659	-0.219	0.000	0.00	0.0	0.1	OK
1.008	18	110	46.650	-0.192	0.000	0.05	0.0	1.1	OK
3.000	301	110	46.628	-0.222	0.000	0.00	0.0	0.1	OK
1.009	20	110	46.597	-0.189	0.000	0.06	0.0	1.4	OK
4.000	401	110	46.528	-0.199	0.000	0.00	0.0	0.1	OK
1.010	22	110	46.528	-0.177	0.000	0.10	0.0	1.5	OK
1.011	24	110	46.500	-0.186	0.000	0.07	0.0	1.5	OK
5.000	34	110	46.801	-0.216	0.000	0.01	0.0	0.1	OK
5.001	36	110	46.777	-0.211	0.000	0.01	0.0	0.3	OK
5.002	38	110	46.697	-0.201	0.000	0.02	0.0	0.5	OK
5.003	40	110	46.622	-0.199	0.000	0.03	0.0	0.7	OK
6.000	601	110	46.572	-0.221	0.000	0.00	0.0	0.1	OK
5.004	42	110	46.560	-0.193	0.000	0.05	0.0	0.9	OK
7.000	701	110	46.529	-0.202	0.000	0.01	0.0	0.2	OK
5.005	44	110	46.520	-0.189	0.000	0.06	0.0	1.3	OK
5.006	46	110	46.456	-0.169	0.000	0.10	0.0	1.5	OK
1.012	26	110	46.440	-0.164	0.000	0.15	0.0	3.1	OK

Summary Wizard of 5760 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	110	46.402	-0.177	0.000	0.01	0.0	0.2	OK
1.013	28	110	46.401	-0.149	0.000	0.14	0.0	2.9	OK
9.000	901	110	46.396	-0.205	0.000	0.00	0.0	0.1	OK
1.014	30	110	46.395	-0.142	0.000	0.13	0.0	3.0	OK

Summary Wizard of 7200 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	112	46.947	-0.218	0.000	0.01	0.0	0.1	OK
1.001	4	112	46.914	-0.216	0.000	0.01	0.0	0.2	OK
1.002	6	112	46.874	-0.216	0.000	0.01	0.0	0.2	OK
1.003	8	112	46.834	-0.209	0.000	0.01	0.0	0.2	OK
1.004	10	112	46.803	-0.201	0.000	0.02	0.0	0.3	OK
1.005	12	112	46.782	-0.201	0.000	0.02	0.0	0.3	OK
1.006	14	112	46.760	-0.201	0.000	0.02	0.0	0.3	OK
1.007	16	112	46.732	-0.201	0.000	0.03	0.0	0.6	OK
2.000	201	112	46.658	-0.220	0.000	0.00	0.0	0.1	OK
1.008	18	112	46.647	-0.195	0.000	0.04	0.0	0.9	OK
3.000	301	112	46.628	-0.222	0.000	0.00	0.0	0.1	OK
1.009	20	112	46.594	-0.192	0.000	0.05	0.0	1.2	OK
4.000	401	112	46.525	-0.202	0.000	0.00	0.0	0.1	OK
1.010	22	112	46.524	-0.181	0.000	0.08	0.0	1.3	OK
1.011	24	112	46.497	-0.189	0.000	0.06	0.0	1.3	OK
5.000	34	112	46.800	-0.217	0.000	0.01	0.0	0.1	OK
5.001	36	112	46.775	-0.213	0.000	0.01	0.0	0.3	OK
5.002	38	112	46.695	-0.203	0.000	0.02	0.0	0.5	OK
5.003	40	112	46.621	-0.200	0.000	0.03	0.0	0.6	OK
6.000	601	112	46.571	-0.222	0.000	0.00	0.0	0.1	OK
5.004	42	112	46.557	-0.196	0.000	0.04	0.0	0.8	OK
7.000	701	112	46.527	-0.204	0.000	0.01	0.0	0.2	OK
5.005	44	112	46.516	-0.193	0.000	0.05	0.0	1.1	OK
5.006	46	112	46.451	-0.174	0.000	0.08	0.0	1.2	OK
1.012	26	112	46.434	-0.170	0.000	0.12	0.0	2.6	OK

Summary Wizard of 7200 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	112	46.395	-0.184	0.000	0.01	0.0	0.2	OK
1.013	28	112	46.395	-0.155	0.000	0.12	0.0	2.5	OK
9.000	901	112	46.389	-0.212	0.000	0.00	0.0	0.1	OK
1.014	30	112	46.388	-0.149	0.000	0.11	0.0	2.6	OK

Summary Wizard of 8640 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	113	46.946	-0.219	0.000	0.00	0.0	0.1	OK
1.001	4	113	46.913	-0.217	0.000	0.01	0.0	0.1	OK
1.002	6	113	46.873	-0.217	0.000	0.01	0.0	0.1	OK
1.003	8	113	46.832	-0.211	0.000	0.01	0.0	0.2	OK
1.004	10	113	46.802	-0.202	0.000	0.02	0.0	0.3	OK
1.005	12	113	46.781	-0.202	0.000	0.02	0.0	0.3	OK
1.006	14	113	46.759	-0.202	0.000	0.02	0.0	0.3	OK
1.007	16	113	46.731	-0.202	0.000	0.02	0.0	0.5	OK
2.000	201	113	46.657	-0.221	0.000	0.00	0.0	0.1	OK
1.008	18	113	46.645	-0.197	0.000	0.04	0.0	0.8	OK
3.000	301	113	46.628	-0.222	0.000	0.00	0.0	0.1	OK
1.009	20	113	46.592	-0.194	0.000	0.05	0.0	1.0	OK
4.000	401	113	46.521	-0.206	0.000	0.00	0.0	0.1	OK
1.010	22	113	46.521	-0.184	0.000	0.07	0.0	1.1	OK
1.011	24	113	46.494	-0.192	0.000	0.05	0.0	1.2	OK
5.000	34	113	46.798	-0.219	0.000	0.00	0.0	0.1	OK
5.001	36	113	46.774	-0.214	0.000	0.01	0.0	0.2	OK
5.002	38	113	46.692	-0.206	0.000	0.02	0.0	0.4	OK
5.003	40	113	46.619	-0.202	0.000	0.02	0.0	0.5	OK
6.000	601	113	46.570	-0.223	0.000	0.00	0.0	0.1	OK
5.004	42	113	46.555	-0.198	0.000	0.03	0.0	0.7	OK
7.000	701	113	46.524	-0.207	0.000	0.01	0.0	0.1	OK
5.005	44	113	46.514	-0.195	0.000	0.04	0.0	1.0	OK
5.006	46	113	46.448	-0.177	0.000	0.07	0.0	1.1	OK
1.012	26	113	46.430	-0.174	0.000	0.11	0.0	2.3	OK

Summary Wizard of 8640 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	113	46.390	-0.189	0.000	0.01	0.0	0.2	OK
1.013	28	113	46.390	-0.160	0.000	0.10	0.0	2.1	OK
9.000	901	113	46.385	-0.216	0.000	0.00	0.0	0.1	OK
1.014	30	113	46.383	-0.154	0.000	0.09	0.0	2.2	OK

Summary Wizard of 10080 minute 1 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	114	46.945	-0.220	0.000	0.00	0.0	0.1	OK
1.001	4	114	46.912	-0.218	0.000	0.01	0.0	0.1	OK
1.002	6	114	46.872	-0.218	0.000	0.01	0.0	0.1	OK
1.003	8	114	46.831	-0.212	0.000	0.01	0.0	0.2	OK
1.004	10	114	46.801	-0.203	0.000	0.02	0.0	0.2	OK
1.005	12	114	46.779	-0.204	0.000	0.02	0.0	0.2	OK
1.006	14	114	46.757	-0.204	0.000	0.02	0.0	0.2	OK
1.007	16	114	46.731	-0.202	0.000	0.02	0.0	0.5	OK
2.000	201	114	46.657	-0.221	0.000	0.00	0.0	0.1	OK
1.008	18	114	46.644	-0.198	0.000	0.03	0.0	0.7	OK
3.000	301	114	46.627	-0.223	0.000	0.00	0.0	0.1	OK
1.009	20	114	46.590	-0.196	0.000	0.04	0.0	0.9	OK
4.000	401	114	46.519	-0.208	0.000	0.00	0.0	0.1	OK
1.010	22	114	46.519	-0.186	0.000	0.06	0.0	1.0	OK
1.011	24	114	46.492	-0.194	0.000	0.05	0.0	1.0	OK
5.000	34	114	46.797	-0.220	0.000	0.00	0.0	0.1	OK
5.001	36	114	46.772	-0.216	0.000	0.01	0.0	0.2	OK
5.002	38	114	46.690	-0.208	0.000	0.02	0.0	0.4	OK
5.003	40	114	46.619	-0.202	0.000	0.02	0.0	0.5	OK
6.000	601	114	46.569	-0.224	0.000	0.00	0.0	0.0	OK
5.004	42	114	46.554	-0.199	0.000	0.03	0.0	0.6	OK
7.000	701	114	46.522	-0.209	0.000	0.01	0.0	0.1	OK
5.005	44	114	46.512	-0.197	0.000	0.04	0.0	0.8	OK
5.006	46	114	46.445	-0.180	0.000	0.06	0.0	1.0	OK
1.012	26	114	46.427	-0.177	0.000	0.10	0.0	2.0	OK

Summary Wizard of 10080 minute 1 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	114	46.386	-0.193	0.000	0.00	0.0	0.1	OK
1.013	28	114	46.386	-0.164	0.000	0.09	0.0	1.9	OK
9.000	901	114	46.382	-0.219	0.000	0.00	0.0	0.1	OK
1.014	30	114	46.379	-0.158	0.000	0.08	0.0	2.0	OK

Summary Wizard of 15 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	24	47.219	0.054	0.000	0.73	0.0	13.0	SURCHARGED
1.001	4	27	47.194	0.064	0.000	0.99	0.0	19.0	SURCHARGED
1.002	6	31	47.156	0.066	0.000	0.90	0.0	18.7	SURCHARGED
1.003	8	34	47.132	0.089	0.000	1.41	0.0	26.8	SURCHARGED
1.004	10	34	47.116	0.112	0.000	2.33	0.0	34.3	SURCHARGED
1.005	12	34	47.106	0.123	0.000	0.55	0.0	8.4	SURCHARGED
1.006	14	34	47.105	0.144	0.000	0.55	0.0	8.5	SURCHARGED
1.007	16	23	47.223	0.290	0.000	0.64	0.0	14.0	SURCHARGED
2.000	201	22	47.229	0.351	0.000	0.66	0.0	19.8	SURCHARGED
1.008	18	23	47.221	0.379	0.000	1.96	0.0	42.0	SURCHARGED
3.000	301	37	47.034	0.184	0.000	0.28	0.0	9.9	SURCHARGED
1.009	20	37	47.032	0.246	0.000	1.21	0.0	26.4	SURCHARGED
4.000	401	45	46.961	0.234	0.000	0.50	0.0	14.0	SURCHARGED
1.010	22	46	46.955	0.250	0.000	2.26	0.0	35.4	SURCHARGED
1.011	24	49	46.912	0.226	0.000	1.41	0.0	30.8	SURCHARGED
5.000	34	28	47.010	-0.007	0.000	0.62	0.0	9.9	OK
5.001	36	26	47.079	0.091	0.000	0.60	0.0	13.1	SURCHARGED
5.002	38	26	47.094	0.196	0.000	1.59	0.0	34.6	SURCHARGED
5.003	40	48	46.887	0.066	0.000	1.09	0.0	23.5	SURCHARGED
6.000	601	51	46.836	0.043	0.000	0.04	0.0	1.2	SURCHARGED
5.004	42	51	46.838	0.085	0.000	1.51	0.0	30.4	SURCHARGED
7.000	701	51	46.830	0.099	0.000	1.47	0.0	22.3	SURCHARGED
5.005	44	51	46.832	0.123	0.000	0.67	0.0	14.7	SURCHARGED
5.006	46	50	46.845	0.220	0.000	0.92	0.0	13.8	SURCHARGED
1.012	26	50	46.855	0.251	0.000	1.78	0.0	38.1	SURCHARGED

Summary Wizard of 15 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	50	46.829	0.250	0.000	0.83	0.0	24.5	SURCHARGED
1.013	28	50	46.829	0.279	0.000	0.74	0.0	15.5	SURCHARGED
9.000	901	50	46.817	0.216	0.000	0.34	0.0	11.8	SURCHARGED
1.014	30	50	46.819	0.282	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	25	47.217	0.052	0.000	0.58	0.0	10.4	SURCHARGED
1.001	4	24	47.208	0.078	0.000	0.82	0.0	15.8	SURCHARGED
1.002	6	25	47.196	0.106	0.000	0.72	0.0	15.0	SURCHARGED
1.003	8	26	47.184	0.141	0.000	1.17	0.0	22.2	SURCHARGED
1.004	10	27	47.169	0.165	0.000	1.96	0.0	28.8	SURCHARGED
1.005	12	27	47.159	0.176	0.000	0.66	0.0	10.0	SURCHARGED
1.006	14	27	47.149	0.188	0.000	0.65	0.0	10.1	SURCHARGED
1.007	16	27	47.173	0.240	0.000	0.58	0.0	12.7	SURCHARGED
2.000	201	27	47.171	0.293	0.000	0.41	0.0	12.2	SURCHARGED
1.008	18	27	47.164	0.322	0.000	1.69	0.0	36.1	SURCHARGED
3.000	301	32	47.052	0.202	0.000	0.21	0.0	7.4	SURCHARGED
1.009	20	33	47.051	0.265	0.000	1.22	0.0	26.5	SURCHARGED
4.000	401	38	46.996	0.269	0.000	0.38	0.0	10.5	SURCHARGED
1.010	22	38	46.996	0.291	0.000	2.09	0.0	32.8	SURCHARGED
1.011	24	40	46.972	0.286	0.000	1.41	0.0	30.8	SURCHARGED
5.000	34	27	47.016	-0.001	0.000	0.49	0.0	7.8	OK
5.001	36	30	47.038	0.050	0.000	0.58	0.0	12.6	SURCHARGED
5.002	38	30	47.022	0.124	0.000	1.38	0.0	30.0	SURCHARGED
5.003	40	46	46.905	0.084	0.000	1.07	0.0	23.1	SURCHARGED
6.000	601	47	46.885	0.092	0.000	0.10	0.0	3.1	SURCHARGED
5.004	42	47	46.886	0.133	0.000	1.45	0.0	29.1	SURCHARGED
7.000	701	47	46.883	0.152	0.000	1.13	0.0	17.1	SURCHARGED
5.005	44	47	46.886	0.177	0.000	0.64	0.0	14.1	SURCHARGED
5.006	46	45	46.906	0.281	0.000	0.73	0.0	10.9	SURCHARGED
1.012	26	44	46.921	0.317	0.000	1.69	0.0	36.1	SURCHARGED

Summary Wizard of 30 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	45	46.898	0.319	0.000	0.63	0.0	18.8	SURCHARGED
1.013	28	45	46.898	0.348	0.000	0.98	0.0	20.6	SURCHARGED
9.000	901	45	46.888	0.287	0.000	0.23	0.0	8.1	SURCHARGED
1.014	30	45	46.889	0.352	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 60 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	23	47.226	0.061	0.000	0.39	0.0	6.9	SURCHARGED
1.001	4	23	47.220	0.090	0.000	0.53	0.0	10.1	SURCHARGED
1.002	6	23	47.211	0.121	0.000	0.42	0.0	8.7	SURCHARGED
1.003	8	23	47.202	0.159	0.000	0.72	0.0	13.6	SURCHARGED
1.004	10	24	47.189	0.185	0.000	1.24	0.0	18.2	SURCHARGED
1.005	12	24	47.179	0.196	0.000	0.50	0.0	7.6	SURCHARGED
1.006	14	25	47.168	0.207	0.000	0.49	0.0	7.6	SURCHARGED
1.007	16	29	47.157	0.224	0.000	0.60	0.0	13.1	SURCHARGED
2.000	201	31	47.121	0.243	0.000	0.24	0.0	7.0	SURCHARGED
1.008	18	30	47.118	0.276	0.000	1.29	0.0	27.6	SURCHARGED
3.000	301	27	47.083	0.233	0.000	0.15	0.0	5.1	SURCHARGED
1.009	20	27	47.082	0.296	0.000	1.09	0.0	23.8	SURCHARGED
4.000	401	29	47.048	0.321	0.000	0.25	0.0	7.0	SURCHARGED
1.010	22	29	47.047	0.342	0.000	1.83	0.0	28.6	SURCHARGED
1.011	24	30	47.031	0.345	0.000	1.33	0.0	29.0	SURCHARGED
5.000	34	33	46.993	-0.024	0.000	0.29	0.0	4.6	OK
5.001	36	37	46.987	-0.001	0.000	0.47	0.0	10.4	OK
5.002	38	41	46.957	0.059	0.000	1.08	0.0	23.5	SURCHARGED
5.003	40	40	46.938	0.117	0.000	1.05	0.0	22.6	SURCHARGED
6.000	601	41	46.934	0.141	0.000	0.05	0.0	1.6	SURCHARGED
5.004	42	41	46.936	0.183	0.000	1.29	0.0	26.0	SURCHARGED
7.000	701	39	46.938	0.207	0.000	0.69	0.0	10.4	SURCHARGED
5.005	44	39	46.940	0.231	0.000	0.60	0.0	13.2	SURCHARGED
5.006	46	31	46.970	0.345	0.000	0.69	0.0	10.3	SURCHARGED
1.012	26	30	46.992	0.388	0.000	1.33	0.0	28.5	SURCHARGED

Summary Wizard of 60 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	29	46.979	0.400	0.000	0.42	0.0	12.3	SURCHARGED
1.013	28	29	46.978	0.428	0.000	1.32	0.0	27.7	SURCHARGED
9.000	901	29	46.971	0.370	0.000	0.10	0.0	3.6	SURCHARGED
1.014	30	29	46.970	0.433	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 120 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	28	47.202	0.037	0.000	0.23	0.0	4.2	SURCHARGED
1.001	4	26	47.198	0.068	0.000	0.31	0.0	6.0	SURCHARGED
1.002	6	26	47.191	0.101	0.000	0.26	0.0	5.5	SURCHARGED
1.003	8	25	47.184	0.141	0.000	0.44	0.0	8.3	SURCHARGED
1.004	10	26	47.175	0.171	0.000	0.74	0.0	10.9	SURCHARGED
1.005	12	26	47.167	0.184	0.000	0.35	0.0	5.3	SURCHARGED
1.006	14	26	47.160	0.199	0.000	0.34	0.0	5.3	SURCHARGED
1.007	16	30	47.150	0.217	0.000	0.52	0.0	11.3	SURCHARGED
2.000	201	30	47.122	0.244	0.000	0.16	0.0	4.8	SURCHARGED
1.008	18	29	47.121	0.279	0.000	1.02	0.0	21.8	SURCHARGED
3.000	301	25	47.093	0.243	0.000	0.10	0.0	3.6	SURCHARGED
1.009	20	25	47.092	0.306	0.000	0.94	0.0	20.5	SURCHARGED
4.000	401	24	47.062	0.335	0.000	0.15	0.0	4.3	SURCHARGED
1.010	22	24	47.062	0.357	0.000	1.59	0.0	24.9	SURCHARGED
1.011	24	24	47.049	0.363	0.000	1.10	0.0	24.0	SURCHARGED
5.000	34	34	46.988	-0.029	0.000	0.11	0.0	1.8	OK
5.001	36	35	46.988	0.000	0.000	0.35	0.0	7.7	OK
5.002	38	35	46.984	0.086	0.000	0.73	0.0	15.8	SURCHARGED
5.003	40	29	46.979	0.158	0.000	0.85	0.0	18.4	SURCHARGED
6.000	601	28	46.981	0.188	0.000	0.02	0.0	0.7	SURCHARGED
5.004	42	28	46.982	0.229	0.000	0.94	0.0	18.9	SURCHARGED
7.000	701	28	46.983	0.252	0.000	0.39	0.0	5.9	SURCHARGED
5.005	44	28	46.984	0.275	0.000	0.53	0.0	11.7	SURCHARGED
5.006	46	27	47.005	0.380	0.000	0.69	0.0	10.4	SURCHARGED
1.012	26	26	47.018	0.414	0.000	0.97	0.0	20.6	SURCHARGED

Summary Wizard of 120 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	26	47.002	0.423	0.000	0.27	0.0	7.9	SURCHARGED
1.013	28	26	47.001	0.451	0.000	0.97	0.0	20.3	SURCHARGED
9.000	901	26	46.994	0.393	0.000	0.04	0.0	1.4	SURCHARGED
1.014	30	26	46.993	0.456	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 180 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	32	47.177	0.012	0.000	0.17	0.0	3.1	SURCHARGED
1.001	4	31	47.174	0.044	0.000	0.23	0.0	4.5	SURCHARGED
1.002	6	28	47.168	0.078	0.000	0.20	0.0	4.1	SURCHARGED
1.003	8	28	47.163	0.120	0.000	0.33	0.0	6.2	SURCHARGED
1.004	10	28	47.155	0.151	0.000	0.56	0.0	8.2	SURCHARGED
1.005	12	28	47.149	0.166	0.000	0.28	0.0	4.2	SURCHARGED
1.006	14	28	47.143	0.182	0.000	0.27	0.0	4.2	SURCHARGED
1.007	16	31	47.136	0.203	0.000	0.45	0.0	9.8	SURCHARGED
2.000	201	32	47.113	0.235	0.000	0.12	0.0	3.7	SURCHARGED
1.008	18	32	47.112	0.270	0.000	0.85	0.0	18.3	SURCHARGED
3.000	301	26	47.088	0.238	0.000	0.08	0.0	2.8	SURCHARGED
1.009	20	26	47.087	0.301	0.000	0.87	0.0	19.1	SURCHARGED
4.000	401	26	47.059	0.332	0.000	0.11	0.0	3.2	SURCHARGED
1.010	22	26	47.059	0.354	0.000	1.43	0.0	22.4	SURCHARGED
1.011	24	25	47.046	0.360	0.000	0.97	0.0	21.2	SURCHARGED
5.000	34	30	47.004	-0.013	0.000	0.08	0.0	1.2	OK
5.001	36	33	47.004	0.016	0.000	0.27	0.0	6.0	SURCHARGED
5.002	38	32	47.001	0.103	0.000	0.56	0.0	12.3	SURCHARGED
5.003	40	26	46.997	0.176	0.000	0.67	0.0	14.4	SURCHARGED
6.000	601	26	46.998	0.205	0.000	0.02	0.0	0.6	SURCHARGED
5.004	42	26	46.998	0.245	0.000	0.72	0.0	14.5	SURCHARGED
7.000	701	26	46.998	0.267	0.000	0.28	0.0	4.2	SURCHARGED
5.005	44	25	46.999	0.290	0.000	0.44	0.0	9.6	SURCHARGED
5.006	46	25	47.009	0.384	0.000	0.53	0.0	7.9	SURCHARGED
1.012	26	27	47.015	0.411	0.000	0.82	0.0	17.5	SURCHARGED

Summary Wizard of 180 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	27	47.000	0.421	0.000	0.19	0.0	5.7	SURCHARGED
1.013	28	27	46.999	0.449	0.000	0.87	0.0	18.2	SURCHARGED
9.000	901	27	46.992	0.391	0.000	0.03	0.0	1.0	SURCHARGED
1.014	30	27	46.992	0.455	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 240 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	34	47.154	-0.011	0.000	0.14	0.0	2.5	OK
1.001	4	34	47.151	0.021	0.000	0.19	0.0	3.7	SURCHARGED
1.002	6	32	47.147	0.057	0.000	0.16	0.0	3.4	SURCHARGED
1.003	8	31	47.142	0.099	0.000	0.26	0.0	5.0	SURCHARGED
1.004	10	31	47.136	0.132	0.000	0.45	0.0	6.6	SURCHARGED
1.005	12	31	47.131	0.148	0.000	0.24	0.0	3.6	SURCHARGED
1.006	14	29	47.125	0.164	0.000	0.23	0.0	3.6	SURCHARGED
1.007	16	33	47.119	0.186	0.000	0.39	0.0	8.6	SURCHARGED
2.000	201	33	47.099	0.221	0.000	0.10	0.0	3.0	SURCHARGED
1.008	18	33	47.098	0.256	0.000	0.74	0.0	15.8	SURCHARGED
3.000	301	28	47.077	0.227	0.000	0.07	0.0	2.3	SURCHARGED
1.009	20	28	47.076	0.290	0.000	0.78	0.0	17.1	SURCHARGED
4.000	401	27	47.051	0.324	0.000	0.09	0.0	2.6	SURCHARGED
1.010	22	27	47.051	0.346	0.000	1.27	0.0	19.9	SURCHARGED
1.011	24	27	47.039	0.353	0.000	0.87	0.0	19.0	SURCHARGED
5.000	34	29	47.008	-0.009	0.000	0.08	0.0	1.2	OK
5.001	36	32	47.007	0.019	0.000	0.22	0.0	4.9	SURCHARGED
5.002	38	31	47.005	0.107	0.000	0.46	0.0	10.0	SURCHARGED
5.003	40	25	47.001	0.180	0.000	0.56	0.0	12.0	SURCHARGED
6.000	601	25	47.000	0.207	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	25	47.000	0.247	0.000	0.60	0.0	12.1	SURCHARGED
7.000	701	25	46.999	0.268	0.000	0.22	0.0	3.3	SURCHARGED
5.005	44	26	46.999	0.290	0.000	0.38	0.0	8.3	SURCHARGED
5.006	46	28	47.003	0.378	0.000	0.47	0.0	7.0	SURCHARGED
1.012	26	28	47.010	0.406	0.000	0.73	0.0	15.7	SURCHARGED

Summary Wizard of 240 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	28	46.995	0.416	0.000	0.15	0.0	4.6	SURCHARGED
1.013	28	28	46.994	0.444	0.000	0.81	0.0	17.1	SURCHARGED
9.000	901	28	46.987	0.386	0.000	0.02	0.0	0.8	SURCHARGED
1.014	30	28	46.987	0.450	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 360 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	37	47.114	-0.051	0.000	0.10	0.0	1.9	OK
1.001	4	37	47.112	-0.018	0.000	0.15	0.0	2.8	OK
1.002	6	37	47.108	0.018	0.000	0.13	0.0	2.6	SURCHARGED
1.003	8	36	47.105	0.062	0.000	0.20	0.0	3.8	SURCHARGED
1.004	10	36	47.100	0.096	0.000	0.33	0.0	4.8	SURCHARGED
1.005	12	36	47.096	0.113	0.000	0.19	0.0	2.9	SURCHARGED
1.006	14	36	47.091	0.130	0.000	0.19	0.0	2.9	SURCHARGED
1.007	16	37	47.086	0.153	0.000	0.32	0.0	7.0	SURCHARGED
2.000	201	37	47.070	0.192	0.000	0.07	0.0	2.2	SURCHARGED
1.008	18	37	47.069	0.227	0.000	0.59	0.0	12.6	SURCHARGED
3.000	301	34	47.051	0.201	0.000	0.05	0.0	1.8	SURCHARGED
1.009	20	34	47.050	0.264	0.000	0.64	0.0	14.0	SURCHARGED
4.000	401	31	47.029	0.302	0.000	0.07	0.0	1.9	SURCHARGED
1.010	22	31	47.028	0.323	0.000	1.03	0.0	16.1	SURCHARGED
1.011	24	31	47.018	0.332	0.000	0.72	0.0	15.7	SURCHARGED
5.000	34	32	46.995	-0.022	0.000	0.07	0.0	1.1	OK
5.001	36	34	46.995	0.007	0.000	0.18	0.0	3.9	SURCHARGED
5.002	38	34	46.992	0.094	0.000	0.34	0.0	7.4	SURCHARGED
5.003	40	28	46.988	0.167	0.000	0.43	0.0	9.3	SURCHARGED
6.000	601	27	46.986	0.193	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	27	46.986	0.233	0.000	0.47	0.0	9.5	SURCHARGED
7.000	701	27	46.985	0.254	0.000	0.16	0.0	2.5	SURCHARGED
5.005	44	27	46.985	0.276	0.000	0.32	0.0	7.1	SURCHARGED
5.006	46	29	46.989	0.364	0.000	0.47	0.0	7.0	SURCHARGED
1.012	26	29	46.993	0.389	0.000	0.65	0.0	13.8	SURCHARGED

Summary Wizard of 360 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	30	46.978	0.399	0.000	0.11	0.0	3.3	SURCHARGED
1.013	28	30	46.977	0.427	0.000	0.67	0.0	14.1	SURCHARGED
9.000	901	30	46.970	0.369	0.000	0.02	0.0	0.7	SURCHARGED
1.014	30	30	46.969	0.432	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 480 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	41	47.082	-0.083	0.000	0.09	0.0	1.5	OK
1.001	4	41	47.080	-0.050	0.000	0.12	0.0	2.3	OK
1.002	6	41	47.077	-0.013	0.000	0.10	0.0	2.2	OK
1.003	8	41	47.074	0.031	0.000	0.17	0.0	3.2	SURCHARGED
1.004	10	41	47.070	0.066	0.000	0.27	0.0	4.0	SURCHARGED
1.005	12	40	47.066	0.083	0.000	0.18	0.0	2.8	SURCHARGED
1.006	14	41	47.062	0.101	0.000	0.18	0.0	2.8	SURCHARGED
1.007	16	41	47.058	0.125	0.000	0.27	0.0	6.0	SURCHARGED
2.000	201	41	47.043	0.165	0.000	0.06	0.0	1.8	SURCHARGED
1.008	18	41	47.043	0.201	0.000	0.49	0.0	10.6	SURCHARGED
3.000	301	39	47.026	0.176	0.000	0.04	0.0	1.4	SURCHARGED
1.009	20	39	47.025	0.239	0.000	0.55	0.0	12.0	SURCHARGED
4.000	401	36	47.006	0.279	0.000	0.05	0.0	1.5	SURCHARGED
1.010	22	36	47.005	0.300	0.000	0.87	0.0	13.7	SURCHARGED
1.011	24	35	46.996	0.310	0.000	0.62	0.0	13.5	SURCHARGED
5.000	34	37	46.982	-0.035	0.000	0.06	0.0	1.0	OK
5.001	36	38	46.981	-0.007	0.000	0.15	0.0	3.3	OK
5.002	38	37	46.979	0.081	0.000	0.27	0.0	5.9	SURCHARGED
5.003	40	31	46.974	0.153	0.000	0.36	0.0	7.7	SURCHARGED
6.000	601	30	46.972	0.179	0.000	0.05	0.0	1.6	SURCHARGED
5.004	42	31	46.972	0.219	0.000	0.40	0.0	8.0	SURCHARGED
7.000	701	30	46.970	0.239	0.000	0.13	0.0	2.0	SURCHARGED
5.005	44	30	46.970	0.261	0.000	0.31	0.0	6.7	SURCHARGED
5.006	46	30	46.972	0.347	0.000	0.47	0.0	7.0	SURCHARGED
1.012	26	34	46.974	0.370	0.000	0.61	0.0	13.0	SURCHARGED

Summary Wizard of 480 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	34	46.958	0.379	0.000	0.09	0.0	2.7	SURCHARGED
1.013	28	34	46.957	0.407	0.000	0.61	0.0	12.9	SURCHARGED
9.000	901	34	46.950	0.349	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	34	46.950	0.413	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 600 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	43	47.055	-0.110	0.000	0.07	0.0	1.3	OK
1.001	4	43	47.053	-0.077	0.000	0.10	0.0	2.0	OK
1.002	6	43	47.051	-0.039	0.000	0.09	0.0	1.9	OK
1.003	8	43	47.048	0.005	0.000	0.15	0.0	2.8	SURCHARGED
1.004	10	43	47.044	0.040	0.000	0.24	0.0	3.5	SURCHARGED
1.005	12	43	47.041	0.058	0.000	0.15	0.0	2.4	SURCHARGED
1.006	14	43	47.038	0.077	0.000	0.15	0.0	2.4	SURCHARGED
1.007	16	43	47.033	0.100	0.000	0.24	0.0	5.3	SURCHARGED
2.000	201	43	47.020	0.142	0.000	0.05	0.0	1.5	SURCHARGED
1.008	18	43	47.020	0.178	0.000	0.42	0.0	9.1	SURCHARGED
3.000	301	43	47.004	0.154	0.000	0.03	0.0	1.2	SURCHARGED
1.009	20	43	47.003	0.217	0.000	0.48	0.0	10.5	SURCHARGED
4.000	401	40	46.985	0.258	0.000	0.05	0.0	1.3	SURCHARGED
1.010	22	40	46.984	0.279	0.000	0.77	0.0	12.0	SURCHARGED
1.011	24	39	46.975	0.289	0.000	0.55	0.0	12.1	SURCHARGED
5.000	34	39	46.967	-0.050	0.000	0.06	0.0	1.0	OK
5.001	36	39	46.966	-0.022	0.000	0.13	0.0	2.9	OK
5.002	38	38	46.963	0.065	0.000	0.23	0.0	5.1	SURCHARGED
5.003	40	33	46.958	0.137	0.000	0.31	0.0	6.7	SURCHARGED
6.000	601	33	46.956	0.163	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	33	46.956	0.203	0.000	0.35	0.0	7.1	SURCHARGED
7.000	701	34	46.954	0.223	0.000	0.12	0.0	1.8	SURCHARGED
5.005	44	34	46.954	0.245	0.000	0.30	0.0	6.5	SURCHARGED
5.006	46	37	46.953	0.328	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	39	46.954	0.350	0.000	0.59	0.0	12.5	SURCHARGED

Summary Wizard of 600 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	39	46.937	0.358	0.000	0.08	0.0	2.3	SURCHARGED
1.013	28	39	46.937	0.387	0.000	0.57	0.0	12.0	SURCHARGED
9.000	901	39	46.929	0.328	0.000	0.02	0.0	0.6	SURCHARGED
1.014	30	39	46.929	0.392	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 720 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	48	47.032	-0.133	0.000	0.06	0.0	1.1	OK
1.001	4	46	47.031	-0.099	0.000	0.09	0.0	1.7	OK
1.002	6	46	47.028	-0.062	0.000	0.08	0.0	1.7	OK
1.003	8	46	47.026	-0.017	0.000	0.13	0.0	2.5	OK
1.004	10	46	47.022	0.018	0.000	0.21	0.0	3.1	SURCHARGED
1.005	12	46	47.019	0.036	0.000	0.14	0.0	2.2	SURCHARGED
1.006	14	46	47.016	0.055	0.000	0.14	0.0	2.2	SURCHARGED
1.007	16	46	47.012	0.079	0.000	0.22	0.0	4.8	SURCHARGED
2.000	201	46	47.000	0.122	0.000	0.04	0.0	1.3	SURCHARGED
1.008	18	46	47.000	0.158	0.000	0.37	0.0	7.9	SURCHARGED
3.000	301	46	46.985	0.135	0.000	0.03	0.0	1.1	SURCHARGED
1.009	20	46	46.985	0.199	0.000	0.44	0.0	9.6	SURCHARGED
4.000	401	43	46.966	0.239	0.000	0.04	0.0	1.1	SURCHARGED
1.010	22	43	46.965	0.260	0.000	0.69	0.0	10.8	SURCHARGED
1.011	24	43	46.956	0.270	0.000	0.51	0.0	11.1	SURCHARGED
5.000	34	45	46.951	-0.066	0.000	0.06	0.0	0.9	OK
5.001	36	45	46.950	-0.038	0.000	0.12	0.0	2.6	OK
5.002	38	45	46.947	0.049	0.000	0.21	0.0	4.5	SURCHARGED
5.003	40	39	46.942	0.121	0.000	0.28	0.0	6.0	SURCHARGED
6.000	601	38	46.940	0.147	0.000	0.05	0.0	1.6	SURCHARGED
5.004	42	38	46.940	0.187	0.000	0.32	0.0	6.4	SURCHARGED
7.000	701	40	46.937	0.206	0.000	0.11	0.0	1.7	SURCHARGED
5.005	44	40	46.937	0.228	0.000	0.29	0.0	6.2	SURCHARGED
5.006	46	41	46.936	0.311	0.000	0.46	0.0	6.9	SURCHARGED
1.012	26	41	46.935	0.331	0.000	0.57	0.0	12.1	SURCHARGED

Summary Wizard of 720 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	41	46.918	0.339	0.000	0.07	0.0	2.0	SURCHARGED
1.013	28	41	46.917	0.367	0.000	0.54	0.0	11.4	SURCHARGED
9.000	901	41	46.909	0.308	0.000	0.02	0.0	0.5	SURCHARGED
1.014	30	41	46.909	0.372	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 960 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	59	46.990	-0.175	0.000	0.05	0.0	0.9	OK
1.001	4	55	46.986	-0.144	0.000	0.07	0.0	1.4	OK
1.002	6	50	46.984	-0.106	0.000	0.07	0.0	1.4	OK
1.003	8	50	46.982	-0.061	0.000	0.11	0.0	2.1	OK
1.004	10	50	46.979	-0.025	0.000	0.18	0.0	2.7	OK
1.005	12	50	46.977	-0.006	0.000	0.13	0.0	2.0	OK
1.006	14	50	46.974	0.013	0.000	0.13	0.0	2.0	SURCHARGED
1.007	16	50	46.971	0.038	0.000	0.20	0.0	4.3	SURCHARGED
2.000	201	50	46.961	0.083	0.000	0.03	0.0	1.0	SURCHARGED
1.008	18	50	46.960	0.118	0.000	0.31	0.0	6.7	SURCHARGED
3.000	301	50	46.948	0.098	0.000	0.02	0.0	0.9	SURCHARGED
1.009	20	49	46.947	0.161	0.000	0.39	0.0	8.4	SURCHARGED
4.000	401	49	46.928	0.201	0.000	0.03	0.0	0.9	SURCHARGED
1.010	22	49	46.927	0.222	0.000	0.59	0.0	9.3	SURCHARGED
1.011	24	47	46.918	0.232	0.000	0.44	0.0	9.6	SURCHARGED
5.000	34	49	46.917	-0.100	0.000	0.05	0.0	0.8	OK
5.001	36	49	46.916	-0.072	0.000	0.10	0.0	2.2	OK
5.002	38	49	46.913	0.015	0.000	0.18	0.0	3.8	SURCHARGED
5.003	40	45	46.907	0.086	0.000	0.23	0.0	5.0	SURCHARGED
6.000	601	45	46.904	0.111	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	45	46.904	0.151	0.000	0.27	0.0	5.4	SURCHARGED
7.000	701	45	46.901	0.170	0.000	0.09	0.0	1.4	SURCHARGED
5.005	44	45	46.901	0.192	0.000	0.28	0.0	6.2	SURCHARGED
5.006	46	46	46.899	0.274	0.000	0.46	0.0	6.8	SURCHARGED
1.012	26	46	46.898	0.294	0.000	0.54	0.0	11.5	SURCHARGED

Summary Wizard of 960 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	46	46.879	0.300	0.000	0.05	0.0	1.6	SURCHARGED
1.013	28	46	46.878	0.328	0.000	0.51	0.0	10.7	SURCHARGED
9.000	901	46	46.870	0.269	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	46	46.870	0.333	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 1440 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	72	46.971	-0.194	0.000	0.04	0.0	0.7	OK
1.001	4	72	46.940	-0.190	0.000	0.05	0.0	1.0	OK
1.002	6	70	46.902	-0.188	0.000	0.05	0.0	1.0	OK
1.003	8	64	46.886	-0.157	0.000	0.08	0.0	1.6	OK
1.004	10	61	46.883	-0.121	0.000	0.14	0.0	2.0	OK
1.005	12	54	46.881	-0.102	0.000	0.12	0.0	1.8	OK
1.006	14	57	46.879	-0.082	0.000	0.11	0.0	1.8	OK
1.007	16	59	46.876	-0.057	0.000	0.17	0.0	3.6	OK
2.000	201	59	46.868	-0.010	0.000	0.03	0.0	0.7	OK
1.008	18	59	46.868	0.026	0.000	0.26	0.0	5.6	SURCHARGED
3.000	301	56	46.858	0.008	0.000	0.02	0.0	0.6	SURCHARGED
1.009	20	56	46.857	0.071	0.000	0.32	0.0	7.0	SURCHARGED
4.000	401	53	46.842	0.115	0.000	0.02	0.0	0.6	SURCHARGED
1.010	22	53	46.842	0.137	0.000	0.49	0.0	7.7	SURCHARGED
1.011	24	53	46.835	0.149	0.000	0.36	0.0	7.9	SURCHARGED
5.000	34	56	46.851	-0.166	0.000	0.04	0.0	0.6	OK
5.001	36	57	46.850	-0.138	0.000	0.08	0.0	1.7	OK
5.002	38	53	46.847	-0.051	0.000	0.14	0.0	3.0	OK
5.003	40	53	46.842	0.021	0.000	0.18	0.0	3.8	SURCHARGED
6.000	601	52	46.835	0.042	0.000	0.05	0.0	1.4	SURCHARGED
5.004	42	52	46.835	0.082	0.000	0.22	0.0	4.3	SURCHARGED
7.000	701	52	46.828	0.097	0.000	0.09	0.0	1.3	SURCHARGED
5.005	44	52	46.828	0.119	0.000	0.25	0.0	5.5	SURCHARGED
5.006	46	52	46.821	0.196	0.000	0.40	0.0	6.0	SURCHARGED
1.012	26	53	46.817	0.213	0.000	0.50	0.0	10.7	SURCHARGED

Summary Wizard of 1440 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	52	46.797	0.218	0.000	0.04	0.0	1.2	SURCHARGED
1.013	28	52	46.797	0.247	0.000	0.48	0.0	10.0	SURCHARGED
9.000	901	52	46.788	0.187	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	52	46.788	0.251	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2160 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	79	46.966	-0.199	0.000	0.03	0.0	0.5	OK
1.001	4	79	46.935	-0.195	0.000	0.04	0.0	0.8	OK
1.002	6	79	46.895	-0.195	0.000	0.04	0.0	0.8	OK
1.003	8	79	46.860	-0.183	0.000	0.06	0.0	1.1	OK
1.004	10	79	46.832	-0.172	0.000	0.10	0.0	1.5	OK
1.005	12	79	46.811	-0.172	0.000	0.10	0.0	1.5	OK
1.006	14	79	46.790	-0.171	0.000	0.09	0.0	1.5	OK
1.007	16	75	46.770	-0.163	0.000	0.13	0.0	2.9	OK
2.000	201	73	46.745	-0.133	0.000	0.02	0.0	0.6	OK
1.008	18	73	46.745	-0.097	0.000	0.21	0.0	4.5	OK
3.000	301	73	46.736	-0.114	0.000	0.01	0.0	0.5	OK
1.009	20	73	46.735	-0.051	0.000	0.25	0.0	5.5	OK
4.000	401	73	46.722	-0.005	0.000	0.02	0.0	0.5	OK
1.010	22	73	46.721	0.016	0.000	0.38	0.0	6.0	SURCHARGED
1.011	24	73	46.715	0.029	0.000	0.28	0.0	6.2	SURCHARGED
5.000	34	79	46.821	-0.196	0.000	0.03	0.0	0.5	OK
5.001	36	79	46.798	-0.190	0.000	0.06	0.0	1.3	OK
5.002	38	73	46.738	-0.160	0.000	0.10	0.0	2.3	OK
5.003	40	71	46.726	-0.095	0.000	0.14	0.0	2.9	OK
6.000	601	68	46.720	-0.073	0.000	0.04	0.0	1.1	OK
5.004	42	68	46.720	-0.033	0.000	0.18	0.0	3.6	OK
7.000	701	67	46.714	-0.017	0.000	0.05	0.0	0.8	OK
5.005	44	67	46.713	0.004	0.000	0.22	0.0	4.9	SURCHARGED
5.006	46	67	46.704	0.079	0.000	0.36	0.0	5.3	SURCHARGED
1.012	26	68	46.699	0.095	0.000	0.47	0.0	10.1	SURCHARGED

Summary Wizard of 2160 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	68	46.678	0.099	0.000	0.03	0.0	0.8	SURCHARGED
1.013	28	68	46.678	0.128	0.000	0.47	0.0	9.8	SURCHARGED
9.000	901	67	46.669	0.068	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	68	46.669	0.132	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2880 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	85	46.964	-0.201	0.000	0.02	0.0	0.4	OK
1.001	4	85	46.932	-0.198	0.000	0.03	0.0	0.6	OK
1.002	6	85	46.891	-0.199	0.000	0.03	0.0	0.6	OK
1.003	8	85	46.854	-0.189	0.000	0.05	0.0	0.9	OK
1.004	10	85	46.827	-0.177	0.000	0.08	0.0	1.2	OK
1.005	12	85	46.805	-0.178	0.000	0.08	0.0	1.2	OK
1.006	14	85	46.783	-0.178	0.000	0.08	0.0	1.2	OK
1.007	16	85	46.756	-0.177	0.000	0.11	0.0	2.3	OK
2.000	201	84	46.687	-0.191	0.000	0.01	0.0	0.4	OK
1.008	18	84	46.685	-0.157	0.000	0.17	0.0	3.6	OK
3.000	301	83	46.656	-0.194	0.000	0.01	0.0	0.4	OK
1.009	20	83	46.654	-0.132	0.000	0.20	0.0	4.5	OK
4.000	401	83	46.639	-0.088	0.000	0.01	0.0	0.4	OK
1.010	22	83	46.639	-0.066	0.000	0.31	0.0	4.9	OK
1.011	24	83	46.633	-0.053	0.000	0.23	0.0	5.0	OK
5.000	34	85	46.818	-0.199	0.000	0.02	0.0	0.4	OK
5.001	36	85	46.794	-0.194	0.000	0.05	0.0	1.0	OK
5.002	38	85	46.716	-0.182	0.000	0.08	0.0	1.8	OK
5.003	40	83	46.659	-0.162	0.000	0.11	0.0	2.4	OK
6.000	601	82	46.642	-0.151	0.000	0.02	0.0	0.7	OK
5.004	42	82	46.642	-0.111	0.000	0.15	0.0	3.1	OK
7.000	701	82	46.636	-0.095	0.000	0.04	0.0	0.6	OK
5.005	44	82	46.636	-0.073	0.000	0.20	0.0	4.3	OK
5.006	46	82	46.625	0.000	0.000	0.31	0.0	4.6	OK
1.012	26	82	46.619	0.015	0.000	0.45	0.0	9.6	SURCHARGED

Summary Wizard of 2880 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	82	46.598	0.019	0.000	0.02	0.0	0.7	SURCHARGED
1.013	28	82	46.597	0.047	0.000	0.46	0.0	9.7	SURCHARGED
9.000	901	82	46.589	-0.012	0.000	0.01	0.0	0.3	OK
1.014	30	82	46.588	0.051	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 4320 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	93	46.960	-0.205	0.000	0.02	0.0	0.3	OK
1.001	4	92	46.929	-0.201	0.000	0.02	0.0	0.4	OK
1.002	6	92	46.888	-0.202	0.000	0.02	0.0	0.4	OK
1.003	8	92	46.848	-0.195	0.000	0.03	0.0	0.7	OK
1.004	10	92	46.819	-0.185	0.000	0.06	0.0	0.9	OK
1.005	12	92	46.797	-0.186	0.000	0.06	0.0	0.9	OK
1.006	14	92	46.775	-0.186	0.000	0.05	0.0	0.9	OK
1.007	16	92	46.749	-0.184	0.000	0.08	0.0	1.7	OK
2.000	201	92	46.674	-0.204	0.000	0.01	0.0	0.3	OK
1.008	18	92	46.669	-0.173	0.000	0.12	0.0	2.6	OK
3.000	301	92	46.636	-0.214	0.000	0.01	0.0	0.3	OK
1.009	20	92	46.619	-0.167	0.000	0.15	0.0	3.3	OK
4.000	401	92	46.556	-0.171	0.000	0.01	0.0	0.3	OK
1.010	22	92	46.556	-0.149	0.000	0.23	0.0	3.6	OK
1.011	24	92	46.529	-0.157	0.000	0.17	0.0	3.7	OK
5.000	34	92	46.815	-0.202	0.000	0.02	0.0	0.3	OK
5.001	36	92	46.790	-0.198	0.000	0.03	0.0	0.7	OK
5.002	38	92	46.708	-0.190	0.000	0.06	0.0	1.3	OK
5.003	40	92	46.638	-0.183	0.000	0.08	0.0	1.7	OK
6.000	601	92	46.589	-0.204	0.000	0.01	0.0	0.4	OK
5.004	42	92	46.582	-0.171	0.000	0.12	0.0	2.3	OK
7.000	701	92	46.550	-0.181	0.000	0.03	0.0	0.4	OK
5.005	44	92	46.546	-0.163	0.000	0.15	0.0	3.3	OK
5.006	46	92	46.503	-0.122	0.000	0.24	0.0	3.6	OK
1.012	26	92	46.492	-0.112	0.000	0.35	0.0	7.5	OK

Summary Wizard of 4320 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	92	46.468	-0.111	0.000	0.02	0.0	0.5	OK
1.013	28	92	46.468	-0.082	0.000	0.37	0.0	7.7	OK
9.000	901	92	46.461	-0.140	0.000	0.01	0.0	0.2	OK
1.014	30	92	46.461	-0.076	0.000	0.34	0.0	8.0	OK

Summary Wizard of 5760 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	100	46.956	-0.209	0.000	0.01	0.0	0.2	OK
1.001	4	99	46.925	-0.205	0.000	0.02	0.0	0.3	OK
1.002	6	99	46.884	-0.206	0.000	0.02	0.0	0.3	OK
1.003	8	99	46.845	-0.198	0.000	0.03	0.0	0.5	OK
1.004	10	99	46.814	-0.190	0.000	0.05	0.0	0.7	OK
1.005	12	99	46.792	-0.191	0.000	0.04	0.0	0.7	OK
1.006	14	99	46.770	-0.191	0.000	0.04	0.0	0.7	OK
1.007	16	99	46.744	-0.189	0.000	0.06	0.0	1.3	OK
2.000	201	99	46.669	-0.209	0.000	0.01	0.0	0.3	OK
1.008	18	99	46.664	-0.178	0.000	0.10	0.0	2.1	OK
3.000	301	99	46.633	-0.217	0.000	0.01	0.0	0.2	OK
1.009	20	99	46.612	-0.174	0.000	0.12	0.0	2.6	OK
4.000	401	99	46.546	-0.181	0.000	0.01	0.0	0.2	OK
1.010	22	99	46.546	-0.159	0.000	0.18	0.0	2.9	OK
1.011	24	99	46.518	-0.168	0.000	0.14	0.0	2.9	OK
5.000	34	99	46.811	-0.206	0.000	0.01	0.0	0.2	OK
5.001	36	99	46.787	-0.201	0.000	0.03	0.0	0.6	OK
5.002	38	99	46.704	-0.194	0.000	0.05	0.0	1.0	OK
5.003	40	99	46.632	-0.189	0.000	0.06	0.0	1.4	OK
6.000	601	99	46.583	-0.210	0.000	0.01	0.0	0.3	OK
5.004	42	99	46.575	-0.178	0.000	0.09	0.0	1.8	OK
7.000	701	99	46.542	-0.189	0.000	0.02	0.0	0.4	OK
5.005	44	99	46.536	-0.173	0.000	0.12	0.0	2.6	OK
5.006	46	99	46.485	-0.140	0.000	0.19	0.0	2.9	OK
1.012	26	99	46.472	-0.132	0.000	0.28	0.0	6.0	OK

Summary Wizard of 5760 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	99	46.442	-0.137	0.000	0.01	0.0	0.4	OK
1.013	28	99	46.442	-0.108	0.000	0.29	0.0	6.1	OK
9.000	901	99	46.436	-0.165	0.000	0.01	0.0	0.2	OK
1.014	30	99	46.436	-0.101	0.000	0.26	0.0	6.3	OK

Summary Wizard of 7200 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	103	46.953	-0.212	0.000	0.01	0.0	0.2	OK
1.001	4	103	46.922	-0.208	0.000	0.02	0.0	0.3	OK
1.002	6	103	46.881	-0.209	0.000	0.01	0.0	0.3	OK
1.003	8	103	46.843	-0.200	0.000	0.02	0.0	0.4	OK
1.004	10	103	46.811	-0.193	0.000	0.04	0.0	0.6	OK
1.005	12	103	46.789	-0.194	0.000	0.04	0.0	0.6	OK
1.006	14	103	46.767	-0.194	0.000	0.04	0.0	0.6	OK
1.007	16	103	46.740	-0.193	0.000	0.05	0.0	1.1	OK
2.000	201	103	46.666	-0.212	0.000	0.01	0.0	0.2	OK
1.008	18	103	46.660	-0.182	0.000	0.08	0.0	1.8	OK
3.000	301	103	46.631	-0.219	0.000	0.01	0.0	0.2	OK
1.009	20	103	46.608	-0.178	0.000	0.10	0.0	2.2	OK
4.000	401	103	46.540	-0.187	0.000	0.01	0.0	0.2	OK
1.010	22	103	46.540	-0.165	0.000	0.15	0.0	2.4	OK
1.011	24	103	46.512	-0.174	0.000	0.11	0.0	2.5	OK
5.000	34	103	46.808	-0.209	0.000	0.01	0.0	0.2	OK
5.001	36	103	46.786	-0.202	0.000	0.02	0.0	0.5	OK
5.002	38	103	46.702	-0.196	0.000	0.04	0.0	0.9	OK
5.003	40	103	46.629	-0.192	0.000	0.05	0.0	1.1	OK
6.000	601	103	46.579	-0.214	0.000	0.01	0.0	0.2	OK
5.004	42	103	46.571	-0.182	0.000	0.08	0.0	1.5	OK
7.000	701	103	46.537	-0.194	0.000	0.02	0.0	0.3	OK
5.005	44	103	46.531	-0.178	0.000	0.10	0.0	2.2	OK
5.006	46	103	46.476	-0.149	0.000	0.16	0.0	2.4	OK
1.012	26	103	46.461	-0.143	0.000	0.23	0.0	5.0	OK

Summary Wizard of 7200 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	103	46.429	-0.150	0.000	0.01	0.0	0.3	OK
1.013	28	103	46.428	-0.122	0.000	0.24	0.0	5.0	OK
9.000	901	103	46.422	-0.179	0.000	0.00	0.0	0.2	OK
1.014	30	103	46.422	-0.115	0.000	0.22	0.0	5.2	OK

Summary Wizard of 8640 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	105	46.951	-0.214	0.000	0.01	0.0	0.2	OK
1.001	4	105	46.920	-0.210	0.000	0.01	0.0	0.3	OK
1.002	6	105	46.879	-0.211	0.000	0.01	0.0	0.3	OK
1.003	8	105	46.841	-0.202	0.000	0.02	0.0	0.4	OK
1.004	10	105	46.809	-0.195	0.000	0.03	0.0	0.5	OK
1.005	12	105	46.787	-0.196	0.000	0.03	0.0	0.5	OK
1.006	14	105	46.765	-0.196	0.000	0.03	0.0	0.5	OK
1.007	16	105	46.738	-0.195	0.000	0.04	0.0	1.0	OK
2.000	201	105	46.663	-0.215	0.000	0.01	0.0	0.2	OK
1.008	18	105	46.656	-0.186	0.000	0.07	0.0	1.5	OK
3.000	301	105	46.630	-0.220	0.000	0.00	0.0	0.2	OK
1.009	20	105	46.605	-0.181	0.000	0.09	0.0	1.9	OK
4.000	401	105	46.536	-0.191	0.000	0.01	0.0	0.2	OK
1.010	22	105	46.536	-0.169	0.000	0.13	0.0	2.1	OK
1.011	24	105	46.508	-0.178	0.000	0.10	0.0	2.1	OK
5.000	34	104	46.806	-0.211	0.000	0.01	0.0	0.1	OK
5.001	36	104	46.783	-0.205	0.000	0.02	0.0	0.4	OK
5.002	38	104	46.700	-0.198	0.000	0.03	0.0	0.7	OK
5.003	40	104	46.627	-0.194	0.000	0.05	0.0	1.0	OK
6.000	601	105	46.577	-0.216	0.000	0.01	0.0	0.2	OK
5.004	42	105	46.567	-0.186	0.000	0.06	0.0	1.3	OK
7.000	701	105	46.535	-0.196	0.000	0.02	0.0	0.3	OK
5.005	44	105	46.528	-0.181	0.000	0.09	0.0	1.9	OK
5.006	46	105	46.469	-0.156	0.000	0.14	0.0	2.1	OK
1.012	26	105	46.453	-0.151	0.000	0.20	0.0	4.3	OK

Summary Wizard of 8640 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	105	46.419	-0.160	0.000	0.01	0.0	0.3	OK
1.013	28	105	46.419	-0.131	0.000	0.20	0.0	4.3	OK
9.000	901	105	46.412	-0.189	0.000	0.00	0.0	0.1	OK
1.014	30	105	46.412	-0.125	0.000	0.19	0.0	4.4	OK

Summary Wizard of 10080 minute 30 year Winter I+0% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	107	46.950	-0.215	0.000	0.01	0.0	0.1	OK
1.001	4	107	46.918	-0.212	0.000	0.01	0.0	0.2	OK
1.002	6	107	46.878	-0.212	0.000	0.01	0.0	0.2	OK
1.003	8	107	46.840	-0.203	0.000	0.02	0.0	0.3	OK
1.004	10	107	46.807	-0.197	0.000	0.03	0.0	0.4	OK
1.005	12	107	46.786	-0.197	0.000	0.03	0.0	0.4	OK
1.006	14	107	46.764	-0.197	0.000	0.03	0.0	0.4	OK
1.007	16	107	46.736	-0.197	0.000	0.04	0.0	0.9	OK
2.000	201	107	46.662	-0.216	0.000	0.01	0.0	0.2	OK
1.008	18	107	46.653	-0.189	0.000	0.06	0.0	1.3	OK
3.000	301	107	46.629	-0.221	0.000	0.00	0.0	0.1	OK
1.009	20	107	46.602	-0.184	0.000	0.08	0.0	1.7	OK
4.000	401	107	46.533	-0.194	0.000	0.01	0.0	0.1	OK
1.010	22	107	46.533	-0.172	0.000	0.12	0.0	1.8	OK
1.011	24	107	46.505	-0.181	0.000	0.09	0.0	1.9	OK
5.000	34	107	46.804	-0.213	0.000	0.01	0.0	0.1	OK
5.001	36	107	46.781	-0.207	0.000	0.02	0.0	0.4	OK
5.002	38	107	46.699	-0.199	0.000	0.03	0.0	0.7	OK
5.003	40	107	46.625	-0.196	0.000	0.04	0.0	0.9	OK
6.000	601	107	46.575	-0.218	0.000	0.00	0.0	0.1	OK
5.004	42	107	46.564	-0.189	0.000	0.06	0.0	1.1	OK
7.000	701	107	46.532	-0.199	0.000	0.01	0.0	0.2	OK
5.005	44	107	46.524	-0.185	0.000	0.07	0.0	1.6	OK
5.006	46	107	46.464	-0.161	0.000	0.12	0.0	1.8	OK
1.012	26	107	46.448	-0.156	0.000	0.18	0.0	3.8	OK

Summary Wizard of 10080 minute 30 year Winter I+0% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	107	46.412	-0.167	0.000	0.01	0.0	0.3	OK
1.013	28	107	46.412	-0.138	0.000	0.18	0.0	3.7	OK
9.000	901	107	46.405	-0.196	0.000	0.00	0.0	0.1	OK
1.014	30	107	46.405	-0.132	0.000	0.16	0.0	3.8	OK

Summary Wizard of 15 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	8	47.573	0.408	0.000	1.32	0.0	23.6	SURCHARGED
1.001	4	9	47.564	0.434	0.000	0.90	0.0	17.3	SURCHARGED
1.002	6	8	47.564	0.474	0.000	0.75	0.0	15.6	SURCHARGED
1.003	8	8	47.575	0.532	0.000	1.79	0.0	34.0	SURCHARGED
1.004	10	6	47.564	0.560	0.000	3.52	0.0	51.7	FLOOD RISK
1.005	12	8	47.528	0.545	0.000	1.47	0.0	22.4	FLOOD RISK
1.006	14	8	47.516	0.555	0.000	0.93	0.0	14.5	FLOOD RISK
1.007	16	8	47.505	0.572	0.000	1.04	0.0	22.7	FLOOD RISK
2.000	201	5	47.446	0.568	0.000	0.61	0.0	18.1	SURCHARGED
1.008	18	5	47.435	0.593	0.000	2.56	0.0	54.9	FLOOD RISK
3.000	301	21	47.175	0.325	0.000	0.41	0.0	14.4	SURCHARGED
1.009	20	21	47.176	0.390	0.000	1.32	0.0	28.7	SURCHARGED
4.000	401	23	47.104	0.377	0.000	0.76	0.0	21.1	SURCHARGED
1.010	22	23	47.104	0.399	0.000	2.50	0.0	39.2	SURCHARGED
1.011	24	23	47.080	0.394	0.000	1.34	0.0	29.2	SURCHARGED
5.000	34	2	47.426	0.409	0.000	1.24	0.0	19.8	SURCHARGED
5.001	36	3	47.397	0.409	0.000	1.18	0.0	25.9	SURCHARGED
5.002	38	5	47.317	0.419	0.000	2.22	0.0	48.5	SURCHARGED
5.003	40	27	46.994	0.173	0.000	0.98	0.0	21.1	SURCHARGED
6.000	601	31	46.971	0.178	0.000	0.43	0.0	12.9	SURCHARGED
5.004	42	30	46.973	0.220	0.000	1.69	0.0	34.0	SURCHARGED
7.000	701	29	46.974	0.243	0.000	1.83	0.0	27.6	SURCHARGED
5.005	44	29	46.977	0.268	0.000	0.65	0.0	14.3	SURCHARGED
5.006	46	26	47.006	0.381	0.000	0.83	0.0	12.4	SURCHARGED
1.012	26	23	47.027	0.423	0.000	1.96	0.0	41.8	SURCHARGED

Summary Wizard of 15 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	23	47.051	0.472	0.000	1.45	0.0	43.1	SURCHARGED
1.013	28	24	47.005	0.455	0.000	1.97	0.0	41.3	SURCHARGED
9.000	901	24	46.995	0.394	0.000	0.52	0.0	18.2	SURCHARGED
1.014	30	24	46.996	0.459	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 30 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	2	47.725	0.560	0.000	1.05	0.0	18.8	SURCHARGED
1.001	4	2	47.714	0.584	0.000	0.90	0.0	17.2	SURCHARGED
1.002	6	2	47.698	0.608	0.000	0.73	0.0	15.2	SURCHARGED
1.003	8	2	47.682	0.639	0.000	1.51	0.0	28.6	FLOOD RISK
1.004	10	2	47.659	0.655	0.000	2.81	0.0	41.3	FLOOD RISK
1.005	12	2	47.639	0.656	0.000	1.38	0.0	21.0	FLOOD RISK
1.006	14	2	47.619	0.658	0.000	0.94	0.0	14.6	FLOOD RISK
1.007	16	2	47.599	0.666	0.000	1.24	0.0	27.1	FLOOD RISK
2.000	201	3	47.466	0.588	0.000	0.31	0.0	9.3	FLOOD RISK
1.008	18	3	47.465	0.623	0.000	2.36	0.0	50.5	FLOOD RISK
3.000	301	15	47.278	0.428	0.000	0.32	0.0	11.2	SURCHARGED
1.009	20	15	47.278	0.492	0.000	1.23	0.0	26.9	SURCHARGED
4.000	401	18	47.206	0.479	0.000	0.59	0.0	16.5	SURCHARGED
1.010	22	18	47.206	0.501	0.000	2.13	0.0	33.3	SURCHARGED
1.011	24	18	47.180	0.494	0.000	1.41	0.0	30.7	SURCHARGED
5.000	34	1	47.512	0.495	0.000	0.89	0.0	14.1	FLOOD RISK
5.001	36	1	47.493	0.505	0.000	1.25	0.0	27.5	SURCHARGED
5.002	38	4	47.360	0.462	0.000	2.15	0.0	46.9	SURCHARGED
5.003	40	21	47.074	0.253	0.000	1.06	0.0	22.9	SURCHARGED
6.000	601	21	47.061	0.268	0.000	0.43	0.0	12.7	SURCHARGED
5.004	42	21	47.063	0.310	0.000	1.55	0.0	31.1	SURCHARGED
7.000	701	21	47.061	0.330	0.000	1.46	0.0	22.0	SURCHARGED
5.005	44	21	47.066	0.357	0.000	0.67	0.0	14.6	SURCHARGED
5.006	46	21	47.095	0.470	0.000	0.77	0.0	11.6	SURCHARGED
1.012	26	19	47.123	0.519	0.000	1.76	0.0	37.6	SURCHARGED

Summary Wizard of 30 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	18	47.116	0.537	0.000	1.14	0.0	33.8	SURCHARGED
1.013	28	18	47.110	0.560	0.000	2.28	0.0	47.8	SURCHARGED
9.000	901	18	47.108	0.507	0.000	0.27	0.0	9.3	SURCHARGED
1.014	30	18	47.099	0.562	0.000	0.62	0.0	14.8	SURCHARGED

Summary Wizard of 60 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	1	47.771	0.606	0.000	0.68	0.0	12.1	SURCHARGED
1.001	4	1	47.759	0.629	0.000	0.67	0.0	12.8	FLOOD RISK
1.002	6	1	47.741	0.651	0.000	0.54	0.0	11.2	SURCHARGED
1.003	8	1	47.723	0.680	0.000	1.04	0.0	19.7	FLOOD RISK
1.004	10	1	47.697	0.693	0.000	1.90	0.0	27.9	FLOOD RISK
1.005	12	1	47.675	0.692	0.000	1.04	0.0	15.8	FLOOD RISK
1.006	14	1	47.653	0.692	0.000	0.99	0.0	15.4	FLOOD RISK
1.007	16	1	47.625	0.692	0.000	1.26	0.0	27.7	FLOOD RISK
2.000	201	1	47.484	0.606	0.000	0.21	0.0	6.2	FLOOD RISK
1.008	18	1	47.482	0.640	0.000	2.16	0.0	46.2	FLOOD RISK
3.000	301	5	47.365	0.515	0.000	0.19	0.0	6.6	SURCHARGED
1.009	20	5	47.365	0.579	0.000	1.09	0.0	23.8	SURCHARGED
4.000	401	6	47.296	0.569	0.000	0.37	0.0	10.4	SURCHARGED
1.010	22	6	47.296	0.591	0.000	1.84	0.0	28.9	SURCHARGED
1.011	24	6	47.270	0.584	0.000	1.33	0.0	29.0	SURCHARGED
5.000	34	6	47.372	0.355	0.000	0.58	0.0	9.3	SURCHARGED
5.001	36	6	47.357	0.369	0.000	0.98	0.0	21.6	SURCHARGED
5.002	38	10	47.270	0.372	0.000	1.75	0.0	38.1	SURCHARGED
5.003	40	16	47.178	0.357	0.000	1.04	0.0	22.3	SURCHARGED
6.000	601	16	47.182	0.389	0.000	0.26	0.0	7.8	SURCHARGED
5.004	42	16	47.181	0.428	0.000	1.30	0.0	26.1	SURCHARGED
7.000	701	16	47.172	0.441	0.000	0.77	0.0	11.7	SURCHARGED
5.005	44	16	47.178	0.469	0.000	0.63	0.0	13.9	FLOOD RISK
5.006	46	12	47.198	0.573	0.000	0.67	0.0	10.0	SURCHARGED
1.012	26	10	47.204	0.600	0.000	1.39	0.0	29.6	SURCHARGED

Summary Wizard of 60 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	7	47.163	0.584	0.000	0.76	0.0	22.6	SURCHARGED
1.013	28	9	47.159	0.609	0.000	1.85	0.0	38.9	SURCHARGED
9.000	901	6	47.147	0.546	0.000	0.27	0.0	9.6	SURCHARGED
1.014	30	8	47.139	0.602	0.000	0.95	0.0	22.7	SURCHARGED

Summary Wizard of 120 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	3	47.688	0.523	0.000	0.43	0.0	7.6	SURCHARGED
1.001	4	3	47.679	0.549	0.000	0.45	0.0	8.6	SURCHARGED
1.002	6	3	47.666	0.576	0.000	0.37	0.0	7.6	SURCHARGED
1.003	8	3	47.651	0.608	0.000	0.69	0.0	13.0	FLOOD RISK
1.004	10	3	47.631	0.627	0.000	1.22	0.0	18.0	FLOOD RISK
1.005	12	3	47.613	0.630	0.000	0.85	0.0	13.0	FLOOD RISK
1.006	14	3	47.595	0.634	0.000	0.80	0.0	12.5	FLOOD RISK
1.007	16	3	47.573	0.640	0.000	1.12	0.0	24.5	FLOOD RISK
2.000	201	2	47.478	0.600	0.000	0.18	0.0	5.3	FLOOD RISK
1.008	18	2	47.476	0.634	0.000	1.82	0.0	39.0	FLOOD RISK
3.000	301	2	47.408	0.558	0.000	0.11	0.0	3.9	SURCHARGED
1.009	20	2	47.407	0.621	0.000	0.94	0.0	20.5	SURCHARGED
4.000	401	3	47.358	0.631	0.000	0.21	0.0	5.7	SURCHARGED
1.010	22	3	47.357	0.652	0.000	1.60	0.0	25.1	SURCHARGED
1.011	24	3	47.334	0.648	0.000	1.09	0.0	23.8	SURCHARGED
5.000	34	9	47.321	0.304	0.000	0.22	0.0	3.5	SURCHARGED
5.001	36	9	47.319	0.331	0.000	0.53	0.0	11.7	SURCHARGED
5.002	38	7	47.310	0.412	0.000	1.23	0.0	26.9	SURCHARGED
5.003	40	5	47.299	0.478	0.000	0.88	0.0	19.0	SURCHARGED
6.000	601	4	47.297	0.504	0.000	0.21	0.0	6.4	SURCHARGED
5.004	42	4	47.296	0.543	0.000	0.98	0.0	19.8	SURCHARGED
7.000	701	4	47.294	0.563	0.000	0.41	0.0	6.3	FLOOD RISK
5.005	44	4	47.292	0.583	0.000	0.55	0.0	12.0	FLOOD RISK
5.006	46	4	47.282	0.657	0.000	0.66	0.0	10.0	SURCHARGED
1.012	26	4	47.275	0.671	0.000	1.14	0.0	24.2	SURCHARGED

Summary Wizard of 120 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	4	47.206	0.627	0.000	0.43	0.0	12.8	SURCHARGED
1.013	28	4	47.205	0.655	0.000	1.26	0.0	26.5	SURCHARGED
9.000	901	3	47.160	0.559	0.000	0.18	0.0	6.3	SURCHARGED
1.014	30	4	47.157	0.620	0.000	1.14	0.0	27.2	SURCHARGED

Summary Wizard of 180 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	6	47.608	0.443	0.000	0.32	0.0	5.7	SURCHARGED
1.001	4	6	47.601	0.471	0.000	0.35	0.0	6.7	SURCHARGED
1.002	6	6	47.590	0.500	0.000	0.29	0.0	6.1	SURCHARGED
1.003	8	7	47.578	0.535	0.000	0.54	0.0	10.2	SURCHARGED
1.004	10	7	47.562	0.558	0.000	0.94	0.0	13.8	FLOOD RISK
1.005	12	6	47.548	0.565	0.000	0.71	0.0	10.8	FLOOD RISK
1.006	14	6	47.533	0.572	0.000	0.66	0.0	10.3	FLOOD RISK
1.007	16	7	47.515	0.582	0.000	0.98	0.0	21.5	FLOOD RISK
2.000	201	4	47.456	0.578	0.000	0.14	0.0	4.3	SURCHARGED
1.008	18	4	47.455	0.613	0.000	1.59	0.0	34.0	FLOOD RISK
3.000	301	1	47.409	0.559	0.000	0.09	0.0	3.1	SURCHARGED
1.009	20	1	47.407	0.621	0.000	0.89	0.0	19.4	SURCHARGED
4.000	401	1	47.362	0.635	0.000	0.15	0.0	4.2	SURCHARGED
1.010	22	1	47.361	0.656	0.000	1.46	0.0	23.0	SURCHARGED
1.011	24	2	47.341	0.655	0.000	0.97	0.0	21.1	SURCHARGED
5.000	34	4	47.387	0.370	0.000	0.14	0.0	2.2	SURCHARGED
5.001	36	4	47.385	0.397	0.000	0.41	0.0	9.0	SURCHARGED
5.002	38	2	47.377	0.479	0.000	0.96	0.0	21.0	SURCHARGED
5.003	40	2	47.363	0.542	0.000	0.72	0.0	15.5	SURCHARGED
6.000	601	2	47.350	0.557	0.000	0.20	0.0	5.9	SURCHARGED
5.004	42	2	47.349	0.596	0.000	0.76	0.0	15.2	SURCHARGED
7.000	701	2	47.335	0.604	0.000	0.29	0.0	4.4	FLOOD RISK
5.005	44	2	47.333	0.624	0.000	0.48	0.0	10.4	FLOOD RISK
5.006	46	2	47.307	0.682	0.000	0.70	0.0	10.4	SURCHARGED
1.012	26	2	47.294	0.690	0.000	1.23	0.0	26.3	SURCHARGED

Summary Wizard of 180 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	2	47.213	0.634	0.000	0.32	0.0	9.6	SURCHARGED
1.013	28	2	47.212	0.662	0.000	1.34	0.0	28.1	SURCHARGED
9.000	901	2	47.163	0.562	0.000	0.13	0.0	4.5	SURCHARGED
1.014	30	2	47.163	0.626	0.000	1.21	0.0	28.7	SURCHARGED

Summary Wizard of 240 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	10	47.544	0.379	0.000	0.26	0.0	4.6	SURCHARGED
1.001	4	10	47.538	0.408	0.000	0.30	0.0	5.7	SURCHARGED
1.002	6	10	47.530	0.440	0.000	0.25	0.0	5.2	SURCHARGED
1.003	8	10	47.521	0.478	0.000	0.45	0.0	8.5	SURCHARGED
1.004	10	10	47.507	0.503	0.000	0.78	0.0	11.5	FLOOD RISK
1.005	12	10	47.496	0.513	0.000	0.59	0.0	9.1	FLOOD RISK
1.006	14	10	47.485	0.524	0.000	0.55	0.0	8.5	SURCHARGED
1.007	16	10	47.471	0.538	0.000	0.89	0.0	19.4	FLOOD RISK
2.000	201	6	47.434	0.556	0.000	0.12	0.0	3.7	SURCHARGED
1.008	18	6	47.433	0.591	0.000	1.42	0.0	30.3	FLOOD RISK
3.000	301	3	47.400	0.550	0.000	0.08	0.0	2.7	SURCHARGED
1.009	20	3	47.399	0.613	0.000	0.82	0.0	18.0	SURCHARGED
4.000	401	2	47.360	0.633	0.000	0.12	0.0	3.4	SURCHARGED
1.010	22	2	47.359	0.654	0.000	1.34	0.0	21.1	SURCHARGED
1.011	24	1	47.341	0.655	0.000	0.88	0.0	19.2	SURCHARGED
5.000	34	3	47.401	0.384	0.000	0.13	0.0	2.1	SURCHARGED
5.001	36	2	47.399	0.411	0.000	0.34	0.0	7.4	SURCHARGED
5.002	38	1	47.390	0.492	0.000	0.79	0.0	17.2	SURCHARGED
5.003	40	1	47.374	0.553	0.000	0.60	0.0	13.0	SURCHARGED
6.000	601	1	47.360	0.567	0.000	0.17	0.0	5.0	SURCHARGED
5.004	42	1	47.359	0.606	0.000	0.64	0.0	12.8	SURCHARGED
7.000	701	1	47.343	0.612	0.000	0.23	0.0	3.4	FLOOD RISK
5.005	44	1	47.342	0.633	0.000	0.45	0.0	9.8	FLOOD RISK
5.006	46	1	47.313	0.688	0.000	0.73	0.0	11.0	SURCHARGED
1.012	26	1	47.297	0.693	0.000	1.24	0.0	26.5	SURCHARGED

Summary Wizard of 240 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	1	47.215	0.636	0.000	0.27	0.0	7.9	SURCHARGED
1.013	28	1	47.214	0.664	0.000	1.36	0.0	28.5	SURCHARGED
9.000	901	1	47.165	0.564	0.000	0.10	0.0	3.5	SURCHARGED
1.014	30	1	47.164	0.627	0.000	1.23	0.0	29.2	SURCHARGED

Summary Wizard of 360 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	13	47.469	0.304	0.000	0.19	0.0	3.3	SURCHARGED
1.001	4	13	47.466	0.336	0.000	0.23	0.0	4.5	SURCHARGED
1.002	6	13	47.460	0.370	0.000	0.20	0.0	4.2	SURCHARGED
1.003	8	13	47.455	0.412	0.000	0.35	0.0	6.7	SURCHARGED
1.004	10	13	47.446	0.442	0.000	0.61	0.0	9.0	FLOOD RISK
1.005	12	12	47.439	0.456	0.000	0.49	0.0	7.4	FLOOD RISK
1.006	14	12	47.432	0.471	0.000	0.44	0.0	6.8	SURCHARGED
1.007	16	13	47.423	0.490	0.000	0.74	0.0	16.3	SURCHARGED
2.000	201	11	47.397	0.519	0.000	0.10	0.0	2.9	SURCHARGED
1.008	18	11	47.396	0.554	0.000	1.17	0.0	25.0	FLOOD RISK
3.000	301	4	47.369	0.519	0.000	0.06	0.0	2.2	SURCHARGED
1.009	20	4	47.368	0.582	0.000	0.70	0.0	15.3	SURCHARGED
4.000	401	4	47.334	0.607	0.000	0.09	0.0	2.6	SURCHARGED
1.010	22	4	47.334	0.629	0.000	1.13	0.0	17.7	SURCHARGED
1.011	24	4	47.317	0.631	0.000	0.76	0.0	16.6	SURCHARGED
5.000	34	5	47.385	0.368	0.000	0.11	0.0	1.7	SURCHARGED
5.001	36	5	47.383	0.395	0.000	0.25	0.0	5.4	SURCHARGED
5.002	38	3	47.373	0.475	0.000	0.57	0.0	12.5	SURCHARGED
5.003	40	3	47.358	0.537	0.000	0.47	0.0	10.1	SURCHARGED
6.000	601	3	47.343	0.550	0.000	0.12	0.0	3.7	SURCHARGED
5.004	42	3	47.342	0.589	0.000	0.51	0.0	10.3	SURCHARGED
7.000	701	3	47.326	0.595	0.000	0.17	0.0	2.5	FLOOD RISK
5.005	44	3	47.325	0.616	0.000	0.46	0.0	10.0	FLOOD RISK
5.006	46	3	47.295	0.670	0.000	0.75	0.0	11.2	SURCHARGED
1.012	26	3	47.279	0.675	0.000	1.17	0.0	24.9	SURCHARGED

Summary Wizard of 360 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	3	47.207	0.628	0.000	0.20	0.0	6.0	SURCHARGED
1.013	28	3	47.206	0.656	0.000	1.27	0.0	26.7	SURCHARGED
9.000	901	4	47.158	0.557	0.000	0.07	0.0	2.4	SURCHARGED
1.014	30	3	47.157	0.620	0.000	1.15	0.0	27.3	SURCHARGED

Summary Wizard of 480 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	15	47.425	0.260	0.000	0.15	0.0	2.7	SURCHARGED
1.001	4	15	47.422	0.292	0.000	0.20	0.0	3.8	SURCHARGED
1.002	6	15	47.417	0.327	0.000	0.17	0.0	3.6	SURCHARGED
1.003	8	15	47.412	0.369	0.000	0.30	0.0	5.7	SURCHARGED
1.004	10	14	47.406	0.402	0.000	0.51	0.0	7.5	SURCHARGED
1.005	12	14	47.399	0.416	0.000	0.42	0.0	6.4	FLOOD RISK
1.006	14	14	47.393	0.432	0.000	0.39	0.0	6.1	SURCHARGED
1.007	16	14	47.386	0.453	0.000	0.63	0.0	13.8	SURCHARGED
2.000	201	14	47.362	0.484	0.000	0.08	0.0	2.4	SURCHARGED
1.008	18	14	47.361	0.519	0.000	0.98	0.0	21.1	FLOOD RISK
3.000	301	8	47.334	0.484	0.000	0.05	0.0	1.8	SURCHARGED
1.009	20	8	47.333	0.547	0.000	0.62	0.0	13.6	SURCHARGED
4.000	401	5	47.298	0.571	0.000	0.08	0.0	2.1	SURCHARGED
1.010	22	5	47.298	0.593	0.000	0.99	0.0	15.6	SURCHARGED
1.011	24	5	47.281	0.595	0.000	0.67	0.0	14.7	SURCHARGED
5.000	34	8	47.326	0.309	0.000	0.09	0.0	1.4	SURCHARGED
5.001	36	8	47.324	0.336	0.000	0.20	0.0	4.4	SURCHARGED
5.002	38	6	47.317	0.419	0.000	0.46	0.0	10.0	SURCHARGED
5.003	40	4	47.303	0.482	0.000	0.40	0.0	8.7	SURCHARGED
6.000	601	5	47.291	0.498	0.000	0.10	0.0	2.9	SURCHARGED
5.004	42	5	47.291	0.538	0.000	0.44	0.0	8.9	SURCHARGED
7.000	701	5	47.278	0.547	0.000	0.14	0.0	2.1	FLOOD RISK
5.005	44	5	47.276	0.567	0.000	0.37	0.0	8.0	FLOOD RISK
5.006	46	5	47.254	0.629	0.000	0.60	0.0	9.0	SURCHARGED
1.012	26	5	47.241	0.637	0.000	1.08	0.0	23.0	SURCHARGED

Summary Wizard of 480 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	5	47.180	0.601	0.000	0.16	0.0	4.9	SURCHARGED
1.013	28	5	47.179	0.629	0.000	1.19	0.0	25.1	SURCHARGED
9.000	901	5	47.153	0.552	0.000	0.05	0.0	1.9	SURCHARGED
1.014	30	5	47.152	0.615	0.000	1.09	0.0	25.9	SURCHARGED

Summary Wizard of 600 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	16	47.387	0.222	0.000	0.13	0.0	2.3	SURCHARGED
1.001	4	16	47.384	0.254	0.000	0.17	0.0	3.3	SURCHARGED
1.002	6	16	47.380	0.290	0.000	0.15	0.0	3.1	SURCHARGED
1.003	8	16	47.376	0.333	0.000	0.26	0.0	4.9	SURCHARGED
1.004	10	16	47.370	0.366	0.000	0.44	0.0	6.5	SURCHARGED
1.005	12	16	47.364	0.381	0.000	0.36	0.0	5.5	SURCHARGED
1.006	14	16	47.359	0.398	0.000	0.35	0.0	5.4	SURCHARGED
1.007	16	16	47.352	0.419	0.000	0.54	0.0	11.9	SURCHARGED
2.000	201	16	47.331	0.453	0.000	0.07	0.0	2.2	SURCHARGED
1.008	18	16	47.330	0.488	0.000	0.84	0.0	18.1	SURCHARGED
3.000	301	11	47.306	0.456	0.000	0.04	0.0	1.6	SURCHARGED
1.009	20	12	47.305	0.519	0.000	0.56	0.0	12.3	SURCHARGED
4.000	401	10	47.273	0.546	0.000	0.07	0.0	1.9	SURCHARGED
1.010	22	10	47.272	0.567	0.000	0.90	0.0	14.1	SURCHARGED
1.011	24	10	47.257	0.571	0.000	0.62	0.0	13.5	SURCHARGED
5.000	34	10	47.300	0.283	0.000	0.07	0.0	1.2	SURCHARGED
5.001	36	10	47.298	0.310	0.000	0.17	0.0	3.7	SURCHARGED
5.002	38	9	47.290	0.392	0.000	0.39	0.0	8.4	SURCHARGED
5.003	40	6	47.277	0.456	0.000	0.36	0.0	7.8	SURCHARGED
6.000	601	6	47.267	0.474	0.000	0.08	0.0	2.3	SURCHARGED
5.004	42	6	47.266	0.513	0.000	0.40	0.0	8.0	SURCHARGED
7.000	701	6	47.255	0.524	0.000	0.13	0.0	1.9	FLOOD RISK
5.005	44	6	47.253	0.544	0.000	0.34	0.0	7.4	FLOOD RISK
5.006	46	6	47.232	0.607	0.000	0.56	0.0	8.3	SURCHARGED
1.012	26	6	47.220	0.616	0.000	1.00	0.0	21.4	SURCHARGED

Summary Wizard of 600 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	6	47.168	0.589	0.000	0.14	0.0	4.1	SURCHARGED
1.013	28	6	47.167	0.617	0.000	1.11	0.0	23.4	SURCHARGED
9.000	901	7	47.145	0.544	0.000	0.04	0.0	1.6	SURCHARGED
1.014	30	6	47.144	0.607	0.000	1.01	0.0	24.0	SURCHARGED

Summary Wizard of 720 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	18	47.353	0.188	0.000	0.11	0.0	2.0	SURCHARGED
1.001	4	18	47.351	0.221	0.000	0.15	0.0	2.9	SURCHARGED
1.002	6	18	47.348	0.258	0.000	0.14	0.0	2.8	SURCHARGED
1.003	8	18	47.344	0.301	0.000	0.23	0.0	4.4	SURCHARGED
1.004	10	18	47.338	0.334	0.000	0.39	0.0	5.8	SURCHARGED
1.005	12	18	47.333	0.350	0.000	0.32	0.0	4.9	SURCHARGED
1.006	14	18	47.328	0.367	0.000	0.31	0.0	4.8	SURCHARGED
1.007	16	18	47.322	0.389	0.000	0.47	0.0	10.3	SURCHARGED
2.000	201	18	47.303	0.425	0.000	0.07	0.0	1.9	SURCHARGED
1.008	18	18	47.302	0.460	0.000	0.73	0.0	15.6	SURCHARGED
3.000	301	14	47.280	0.430	0.000	0.04	0.0	1.5	SURCHARGED
1.009	20	14	47.279	0.493	0.000	0.52	0.0	11.3	SURCHARGED
4.000	401	12	47.250	0.523	0.000	0.06	0.0	1.7	SURCHARGED
1.010	22	12	47.249	0.544	0.000	0.83	0.0	13.0	SURCHARGED
1.011	24	12	47.235	0.549	0.000	0.58	0.0	12.7	SURCHARGED
5.000	34	12	47.275	0.258	0.000	0.06	0.0	1.0	SURCHARGED
5.001	36	12	47.274	0.286	0.000	0.15	0.0	3.2	SURCHARGED
5.002	38	12	47.266	0.368	0.000	0.34	0.0	7.4	SURCHARGED
5.003	40	7	47.254	0.433	0.000	0.33	0.0	7.1	SURCHARGED
6.000	601	7	47.245	0.452	0.000	0.06	0.0	1.9	SURCHARGED
5.004	42	7	47.244	0.491	0.000	0.37	0.0	7.4	SURCHARGED
7.000	701	7	47.233	0.502	0.000	0.12	0.0	1.8	FLOOD RISK
5.005	44	7	47.232	0.523	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	9	47.213	0.588	0.000	0.51	0.0	7.6	SURCHARGED
1.012	26	11	47.202	0.598	0.000	0.91	0.0	19.5	SURCHARGED

Summary Wizard of 720 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	12	47.156	0.577	0.000	0.12	0.0	3.6	SURCHARGED
1.013	28	12	47.155	0.605	0.000	1.01	0.0	21.3	SURCHARGED
9.000	901	12	47.136	0.535	0.000	0.04	0.0	1.3	SURCHARGED
1.014	30	12	47.135	0.598	0.000	0.92	0.0	21.8	SURCHARGED

Summary Wizard of 960 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	21	47.297	0.132	0.000	0.09	0.0	1.6	SURCHARGED
1.001	4	21	47.295	0.165	0.000	0.13	0.0	2.4	SURCHARGED
1.002	6	21	47.292	0.202	0.000	0.11	0.0	2.3	SURCHARGED
1.003	8	21	47.289	0.246	0.000	0.19	0.0	3.6	SURCHARGED
1.004	10	21	47.284	0.280	0.000	0.32	0.0	4.7	SURCHARGED
1.005	12	21	47.280	0.297	0.000	0.24	0.0	3.7	SURCHARGED
1.006	14	21	47.276	0.315	0.000	0.24	0.0	3.7	SURCHARGED
1.007	16	21	47.271	0.338	0.000	0.35	0.0	7.7	SURCHARGED
2.000	201	21	47.254	0.376	0.000	0.06	0.0	1.7	SURCHARGED
1.008	18	21	47.254	0.412	0.000	0.56	0.0	12.0	SURCHARGED
3.000	301	18	47.235	0.385	0.000	0.03	0.0	1.2	SURCHARGED
1.009	20	18	47.234	0.448	0.000	0.46	0.0	10.1	SURCHARGED
4.000	401	17	47.210	0.483	0.000	0.05	0.0	1.4	SURCHARGED
1.010	22	17	47.209	0.504	0.000	0.74	0.0	11.6	SURCHARGED
1.011	24	16	47.197	0.511	0.000	0.52	0.0	11.4	SURCHARGED
5.000	34	17	47.229	0.212	0.000	0.06	0.0	1.0	SURCHARGED
5.001	36	18	47.228	0.240	0.000	0.12	0.0	2.6	SURCHARGED
5.002	38	17	47.222	0.324	0.000	0.27	0.0	5.9	SURCHARGED
5.003	40	12	47.211	0.390	0.000	0.29	0.0	6.2	SURCHARGED
6.000	601	13	47.203	0.410	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	13	47.203	0.450	0.000	0.32	0.0	6.5	SURCHARGED
7.000	701	13	47.194	0.463	0.000	0.11	0.0	1.7	SURCHARGED
5.005	44	13	47.193	0.484	0.000	0.31	0.0	6.8	FLOOD RISK
5.006	46	15	47.178	0.553	0.000	0.47	0.0	7.1	SURCHARGED
1.012	26	15	47.170	0.566	0.000	0.74	0.0	15.8	SURCHARGED

Summary Wizard of 960 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	16	47.133	0.554	0.000	0.10	0.0	2.8	SURCHARGED
1.013	28	15	47.132	0.582	0.000	0.82	0.0	17.3	SURCHARGED
9.000	901	16	47.116	0.515	0.000	0.03	0.0	0.9	SURCHARGED
1.014	30	16	47.115	0.578	0.000	0.74	0.0	17.7	SURCHARGED

Summary Wizard of 1440 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	26	47.206	0.041	0.000	0.06	0.0	1.1	SURCHARGED
1.001	4	25	47.204	0.074	0.000	0.09	0.0	1.7	SURCHARGED
1.002	6	24	47.202	0.112	0.000	0.08	0.0	1.7	SURCHARGED
1.003	8	24	47.200	0.157	0.000	0.14	0.0	2.6	SURCHARGED
1.004	10	23	47.196	0.192	0.000	0.23	0.0	3.4	SURCHARGED
1.005	12	23	47.193	0.210	0.000	0.15	0.0	2.2	SURCHARGED
1.006	14	23	47.190	0.229	0.000	0.14	0.0	2.2	SURCHARGED
1.007	16	26	47.187	0.254	0.000	0.24	0.0	5.4	SURCHARGED
2.000	201	26	47.175	0.297	0.000	0.04	0.0	1.3	SURCHARGED
1.008	18	26	47.174	0.332	0.000	0.43	0.0	9.2	SURCHARGED
3.000	301	22	47.160	0.310	0.000	0.03	0.0	1.0	SURCHARGED
1.009	20	22	47.159	0.373	0.000	0.40	0.0	8.7	SURCHARGED
4.000	401	21	47.142	0.415	0.000	0.04	0.0	1.1	SURCHARGED
1.010	22	21	47.142	0.437	0.000	0.64	0.0	10.0	SURCHARGED
1.011	24	21	47.134	0.448	0.000	0.45	0.0	9.9	SURCHARGED
5.000	34	23	47.156	0.139	0.000	0.06	0.0	1.0	SURCHARGED
5.001	36	23	47.155	0.167	0.000	0.10	0.0	2.2	SURCHARGED
5.002	38	23	47.150	0.252	0.000	0.20	0.0	4.4	SURCHARGED
5.003	40	18	47.142	0.321	0.000	0.24	0.0	5.1	SURCHARGED
6.000	601	18	47.136	0.343	0.000	0.06	0.0	1.7	SURCHARGED
5.004	42	18	47.136	0.383	0.000	0.27	0.0	5.4	SURCHARGED
7.000	701	18	47.130	0.399	0.000	0.11	0.0	1.7	SURCHARGED
5.005	44	18	47.129	0.420	0.000	0.30	0.0	6.6	SURCHARGED
5.006	46	19	47.120	0.495	0.000	0.46	0.0	7.0	SURCHARGED
1.012	26	20	47.114	0.510	0.000	0.52	0.0	11.0	SURCHARGED

Summary Wizard of 1440 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	20	47.089	0.510	0.000	0.07	0.0	2.1	SURCHARGED
1.013	28	20	47.088	0.538	0.000	0.57	0.0	11.9	SURCHARGED
9.000	901	20	47.077	0.476	0.000	0.01	0.0	0.5	SURCHARGED
1.014	30	20	47.077	0.540	0.000	0.51	0.0	12.1	SURCHARGED

Summary Wizard of 2160 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	40	47.092	-0.073	0.000	0.05	0.0	0.8	OK
1.001	4	40	47.090	-0.040	0.000	0.07	0.0	1.3	OK
1.002	6	40	47.089	-0.001	0.000	0.06	0.0	1.2	OK
1.003	8	39	47.087	0.044	0.000	0.10	0.0	1.9	SURCHARGED
1.004	10	38	47.084	0.080	0.000	0.17	0.0	2.4	SURCHARGED
1.005	12	38	47.082	0.099	0.000	0.12	0.0	1.9	SURCHARGED
1.006	14	39	47.079	0.118	0.000	0.12	0.0	1.9	SURCHARGED
1.007	16	39	47.076	0.143	0.000	0.19	0.0	4.2	SURCHARGED
2.000	201	39	47.067	0.189	0.000	0.03	0.0	1.0	SURCHARGED
1.008	18	39	47.066	0.224	0.000	0.33	0.0	7.1	SURCHARGED
3.000	301	31	47.055	0.205	0.000	0.02	0.0	0.8	SURCHARGED
1.009	20	31	47.054	0.268	0.000	0.35	0.0	7.7	SURCHARGED
4.000	401	30	47.042	0.315	0.000	0.03	0.0	0.8	SURCHARGED
1.010	22	30	47.041	0.336	0.000	0.56	0.0	8.7	SURCHARGED
1.011	24	29	47.035	0.349	0.000	0.39	0.0	8.5	SURCHARGED
5.000	34	26	47.049	0.032	0.000	0.05	0.0	0.8	SURCHARGED
5.001	36	29	47.048	0.060	0.000	0.08	0.0	1.8	SURCHARGED
5.002	38	29	47.044	0.146	0.000	0.15	0.0	3.3	SURCHARGED
5.003	40	23	47.038	0.217	0.000	0.19	0.0	4.2	SURCHARGED
6.000	601	23	47.034	0.241	0.000	0.05	0.0	1.5	SURCHARGED
5.004	42	23	47.033	0.280	0.000	0.23	0.0	4.6	SURCHARGED
7.000	701	23	47.029	0.298	0.000	0.09	0.0	1.3	SURCHARGED
5.005	44	23	47.029	0.320	0.000	0.25	0.0	5.5	SURCHARGED
5.006	46	24	47.023	0.398	0.000	0.41	0.0	6.1	SURCHARGED
1.012	26	25	47.020	0.416	0.000	0.49	0.0	10.5	SURCHARGED

Summary Wizard of 2160 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	25	47.003	0.424	0.000	0.05	0.0	1.5	SURCHARGED
1.013	28	25	47.002	0.452	0.000	0.50	0.0	10.5	SURCHARGED
9.000	901	25	46.994	0.393	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	25	46.994	0.457	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 2880 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	54	47.008	-0.157	0.000	0.04	0.0	0.7	OK
1.001	4	49	47.007	-0.123	0.000	0.05	0.0	1.0	OK
1.002	6	48	47.005	-0.085	0.000	0.05	0.0	1.0	OK
1.003	8	48	47.004	-0.039	0.000	0.08	0.0	1.5	OK
1.004	10	48	47.001	-0.003	0.000	0.13	0.0	2.0	OK
1.005	12	48	46.999	0.016	0.000	0.11	0.0	1.7	SURCHARGED
1.006	14	48	46.997	0.036	0.000	0.11	0.0	1.7	SURCHARGED
1.007	16	48	46.994	0.061	0.000	0.15	0.0	3.3	SURCHARGED
2.000	201	48	46.986	0.108	0.000	0.03	0.0	0.8	SURCHARGED
1.008	18	48	46.985	0.143	0.000	0.25	0.0	5.4	SURCHARGED
3.000	301	48	46.974	0.124	0.000	0.02	0.0	0.6	SURCHARGED
1.009	20	48	46.974	0.188	0.000	0.31	0.0	6.8	SURCHARGED
4.000	401	46	46.959	0.232	0.000	0.02	0.0	0.7	SURCHARGED
1.010	22	45	46.959	0.254	0.000	0.48	0.0	7.6	SURCHARGED
1.011	24	44	46.951	0.265	0.000	0.35	0.0	7.6	SURCHARGED
5.000	34	42	46.960	-0.057	0.000	0.05	0.0	0.8	OK
5.001	36	42	46.959	-0.029	0.000	0.07	0.0	1.6	OK
5.002	38	42	46.955	0.057	0.000	0.13	0.0	2.8	SURCHARGED
5.003	40	36	46.949	0.128	0.000	0.17	0.0	3.7	SURCHARGED
6.000	601	36	46.946	0.153	0.000	0.04	0.0	1.3	SURCHARGED
5.004	42	36	46.946	0.193	0.000	0.21	0.0	4.1	SURCHARGED
7.000	701	37	46.942	0.211	0.000	0.09	0.0	1.3	SURCHARGED
5.005	44	38	46.942	0.233	0.000	0.25	0.0	5.5	SURCHARGED
5.006	46	40	46.937	0.312	0.000	0.40	0.0	6.0	SURCHARGED
1.012	26	42	46.935	0.331	0.000	0.48	0.0	10.2	SURCHARGED

Summary Wizard of 2880 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	42	46.917	0.338	0.000	0.04	0.0	1.2	SURCHARGED
1.013	28	42	46.916	0.366	0.000	0.48	0.0	10.1	SURCHARGED
9.000	901	42	46.908	0.307	0.000	0.01	0.0	0.4	SURCHARGED
1.014	30	42	46.908	0.371	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 4320 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	78	46.966	-0.199	0.000	0.03	0.0	0.5	OK
1.001	4	78	46.935	-0.195	0.000	0.04	0.0	0.8	OK
1.002	6	78	46.895	-0.195	0.000	0.04	0.0	0.8	OK
1.003	8	78	46.861	-0.182	0.000	0.06	0.0	1.1	OK
1.004	10	73	46.841	-0.163	0.000	0.10	0.0	1.5	OK
1.005	12	67	46.832	-0.151	0.000	0.09	0.0	1.4	OK
1.006	14	66	46.827	-0.134	0.000	0.09	0.0	1.4	OK
1.007	16	66	46.825	-0.108	0.000	0.13	0.0	2.9	OK
2.000	201	65	46.817	-0.061	0.000	0.02	0.0	0.6	OK
1.008	18	65	46.817	-0.025	0.000	0.21	0.0	4.4	OK
3.000	301	63	46.808	-0.042	0.000	0.01	0.0	0.5	OK
1.009	20	63	46.807	0.021	0.000	0.25	0.0	5.5	SURCHARGED
4.000	401	59	46.793	0.066	0.000	0.02	0.0	0.5	SURCHARGED
1.010	22	58	46.793	0.088	0.000	0.38	0.0	6.0	SURCHARGED
1.011	24	55	46.786	0.100	0.000	0.28	0.0	6.2	SURCHARGED
5.000	34	74	46.824	-0.193	0.000	0.03	0.0	0.5	OK
5.001	36	67	46.813	-0.175	0.000	0.06	0.0	1.3	OK
5.002	38	58	46.802	-0.096	0.000	0.10	0.0	2.3	OK
5.003	40	54	46.796	-0.025	0.000	0.13	0.0	2.9	OK
6.000	601	54	46.790	-0.003	0.000	0.04	0.0	1.1	OK
5.004	42	54	46.789	0.036	0.000	0.18	0.0	3.5	SURCHARGED
7.000	701	54	46.783	0.052	0.000	0.06	0.0	0.9	SURCHARGED
5.005	44	54	46.783	0.074	0.000	0.22	0.0	4.9	SURCHARGED
5.006	46	54	46.774	0.149	0.000	0.35	0.0	5.3	SURCHARGED
1.012	26	54	46.770	0.166	0.000	0.45	0.0	9.7	SURCHARGED

Summary Wizard of 4320 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	54	46.750	0.171	0.000	0.03	0.0	0.9	SURCHARGED
1.013	28	54	46.749	0.199	0.000	0.47	0.0	9.8	SURCHARGED
9.000	901	54	46.740	0.139	0.000	0.01	0.0	0.3	SURCHARGED
1.014	30	54	46.740	0.203	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 5760 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	84	46.964	-0.201	0.000	0.02	0.0	0.4	OK
1.001	4	84	46.932	-0.198	0.000	0.03	0.0	0.6	OK
1.002	6	84	46.891	-0.199	0.000	0.03	0.0	0.6	OK
1.003	8	84	46.854	-0.189	0.000	0.05	0.0	0.9	OK
1.004	10	84	46.827	-0.177	0.000	0.08	0.0	1.2	OK
1.005	12	84	46.805	-0.178	0.000	0.08	0.0	1.2	OK
1.006	14	84	46.783	-0.178	0.000	0.08	0.0	1.2	OK
1.007	16	84	46.756	-0.177	0.000	0.11	0.0	2.3	OK
2.000	201	81	46.693	-0.185	0.000	0.01	0.0	0.4	OK
1.008	18	81	46.692	-0.150	0.000	0.17	0.0	3.6	OK
3.000	301	81	46.671	-0.179	0.000	0.01	0.0	0.4	OK
1.009	20	81	46.670	-0.116	0.000	0.21	0.0	4.5	OK
4.000	401	81	46.658	-0.069	0.000	0.01	0.0	0.4	OK
1.010	22	81	46.658	-0.047	0.000	0.31	0.0	4.9	OK
1.011	24	81	46.651	-0.035	0.000	0.23	0.0	5.1	OK
5.000	34	84	46.818	-0.199	0.000	0.02	0.0	0.4	OK
5.001	36	84	46.794	-0.194	0.000	0.05	0.0	1.0	OK
5.002	38	83	46.717	-0.181	0.000	0.08	0.0	1.8	OK
5.003	40	81	46.669	-0.152	0.000	0.11	0.0	2.4	OK
6.000	601	81	46.659	-0.134	0.000	0.02	0.0	0.6	OK
5.004	42	81	46.659	-0.094	0.000	0.15	0.0	3.1	OK
7.000	701	81	46.653	-0.078	0.000	0.04	0.0	0.6	OK
5.005	44	81	46.652	-0.057	0.000	0.19	0.0	4.2	OK
5.006	46	81	46.642	0.017	0.000	0.30	0.0	4.5	SURCHARGED
1.012	26	81	46.637	0.033	0.000	0.44	0.0	9.4	SURCHARGED

Summary Wizard of 5760 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	80	46.616	0.037	0.000	0.02	0.0	0.7	SURCHARGED
1.013	28	80	46.615	0.065	0.000	0.46	0.0	9.6	SURCHARGED
9.000	901	80	46.607	0.006	0.000	0.01	0.0	0.3	SURCHARGED
1.014	30	80	46.607	0.070	0.000	0.40	0.0	9.6	SURCHARGED

Summary Wizard of 7200 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	90	46.963	-0.202	0.000	0.02	0.0	0.3	OK
1.001	4	90	46.930	-0.200	0.000	0.03	0.0	0.5	OK
1.002	6	89	46.889	-0.201	0.000	0.02	0.0	0.5	OK
1.003	8	89	46.851	-0.192	0.000	0.04	0.0	0.8	OK
1.004	10	89	46.823	-0.181	0.000	0.07	0.0	1.0	OK
1.005	12	88	46.801	-0.182	0.000	0.06	0.0	1.0	OK
1.006	14	88	46.779	-0.182	0.000	0.06	0.0	1.0	OK
1.007	16	88	46.753	-0.180	0.000	0.09	0.0	1.9	OK
2.000	201	89	46.677	-0.201	0.000	0.01	0.0	0.4	OK
1.008	18	89	46.673	-0.169	0.000	0.14	0.0	3.0	OK
3.000	301	89	46.639	-0.211	0.000	0.01	0.0	0.3	OK
1.009	20	89	46.623	-0.163	0.000	0.17	0.0	3.7	OK
4.000	401	88	46.566	-0.161	0.000	0.01	0.0	0.3	OK
1.010	22	88	46.565	-0.140	0.000	0.26	0.0	4.1	OK
1.011	24	88	46.543	-0.143	0.000	0.20	0.0	4.3	OK
5.000	34	88	46.816	-0.201	0.000	0.02	0.0	0.3	OK
5.001	36	89	46.791	-0.197	0.000	0.04	0.0	0.8	OK
5.002	38	89	46.711	-0.187	0.000	0.07	0.0	1.5	OK
5.003	40	89	46.642	-0.179	0.000	0.09	0.0	2.0	OK
6.000	601	88	46.593	-0.200	0.000	0.01	0.0	0.4	OK
5.004	42	88	46.589	-0.164	0.000	0.13	0.0	2.7	OK
7.000	701	88	46.559	-0.172	0.000	0.03	0.0	0.5	OK
5.005	44	88	46.557	-0.152	0.000	0.17	0.0	3.8	OK
5.006	46	88	46.525	-0.100	0.000	0.28	0.0	4.2	OK
1.012	26	88	46.518	-0.086	0.000	0.41	0.0	8.6	OK

Summary Wizard of 7200 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	88	46.498	-0.081	0.000	0.02	0.0	0.6	OK
1.013	28	88	46.497	-0.053	0.000	0.42	0.0	8.9	OK
9.000	901	88	46.489	-0.112	0.000	0.01	0.0	0.3	OK
1.014	30	88	46.489	-0.048	0.000	0.39	0.0	9.2	OK

Summary Wizard of 8640 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	94	46.960	-0.205	0.000	0.02	0.0	0.3	OK
1.001	4	93	46.928	-0.202	0.000	0.02	0.0	0.4	OK
1.002	6	93	46.888	-0.202	0.000	0.02	0.0	0.4	OK
1.003	8	93	46.848	-0.195	0.000	0.03	0.0	0.7	OK
1.004	10	93	46.819	-0.185	0.000	0.06	0.0	0.8	OK
1.005	12	93	46.797	-0.186	0.000	0.06	0.0	0.8	OK
1.006	14	93	46.775	-0.186	0.000	0.05	0.0	0.8	OK
1.007	16	93	46.749	-0.184	0.000	0.08	0.0	1.7	OK
2.000	201	93	46.674	-0.204	0.000	0.01	0.0	0.3	OK
1.008	18	93	46.669	-0.173	0.000	0.12	0.0	2.6	OK
3.000	301	93	46.636	-0.214	0.000	0.01	0.0	0.3	OK
1.009	20	93	46.618	-0.168	0.000	0.15	0.0	3.2	OK
4.000	401	93	46.556	-0.171	0.000	0.01	0.0	0.3	OK
1.010	22	93	46.555	-0.150	0.000	0.23	0.0	3.6	OK
1.011	24	93	46.529	-0.157	0.000	0.17	0.0	3.7	OK
5.000	34	93	46.815	-0.202	0.000	0.02	0.0	0.3	OK
5.001	36	93	46.790	-0.198	0.000	0.03	0.0	0.7	OK
5.002	38	93	46.708	-0.190	0.000	0.06	0.0	1.3	OK
5.003	40	93	46.638	-0.183	0.000	0.08	0.0	1.7	OK
6.000	601	93	46.589	-0.204	0.000	0.01	0.0	0.4	OK
5.004	42	93	46.582	-0.171	0.000	0.11	0.0	2.3	OK
7.000	701	93	46.550	-0.181	0.000	0.03	0.0	0.4	OK
5.005	44	93	46.545	-0.164	0.000	0.15	0.0	3.3	OK
5.006	46	93	46.502	-0.123	0.000	0.24	0.0	3.6	OK
1.012	26	93	46.491	-0.113	0.000	0.35	0.0	7.5	OK

Summary Wizard of 8640 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	93	46.467	-0.112	0.000	0.02	0.0	0.5	OK
1.013	28	93	46.467	-0.083	0.000	0.37	0.0	7.7	OK
9.000	901	93	46.460	-0.141	0.000	0.01	0.0	0.2	OK
1.014	30	93	46.460	-0.077	0.000	0.33	0.0	7.9	OK

Summary Wizard of 10080 minute 100 year Winter I+40% for SW-NET1.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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 Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 21 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.400
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.400	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	2	97	46.958	-0.207	0.000	0.01	0.0	0.2	OK
1.001	4	96	46.927	-0.203	0.000	0.02	0.0	0.4	OK
1.002	6	96	46.886	-0.204	0.000	0.02	0.0	0.4	OK
1.003	8	96	46.846	-0.197	0.000	0.03	0.0	0.6	OK
1.004	10	96	46.816	-0.188	0.000	0.05	0.0	0.7	OK
1.005	12	96	46.794	-0.189	0.000	0.05	0.0	0.7	OK
1.006	14	96	46.772	-0.189	0.000	0.05	0.0	0.7	OK
1.007	16	96	46.746	-0.187	0.000	0.07	0.0	1.5	OK
2.000	201	96	46.671	-0.207	0.000	0.01	0.0	0.3	OK
1.008	18	96	46.666	-0.176	0.000	0.11	0.0	2.3	OK
3.000	301	96	46.634	-0.216	0.000	0.01	0.0	0.2	OK
1.009	20	96	46.615	-0.171	0.000	0.13	0.0	2.8	OK
4.000	401	96	46.550	-0.177	0.000	0.01	0.0	0.2	OK
1.010	22	96	46.550	-0.155	0.000	0.20	0.0	3.1	OK
1.011	24	96	46.522	-0.164	0.000	0.15	0.0	3.2	OK
5.000	34	96	46.813	-0.204	0.000	0.01	0.0	0.2	OK
5.001	36	96	46.788	-0.200	0.000	0.03	0.0	0.6	OK
5.002	38	96	46.706	-0.192	0.000	0.05	0.0	1.1	OK
5.003	40	96	46.634	-0.187	0.000	0.07	0.0	1.5	OK
6.000	601	96	46.585	-0.208	0.000	0.01	0.0	0.3	OK
5.004	42	96	46.578	-0.175	0.000	0.10	0.0	2.0	OK
7.000	701	96	46.544	-0.187	0.000	0.03	0.0	0.4	OK
5.005	44	96	46.539	-0.170	0.000	0.13	0.0	2.9	OK
5.006	46	96	46.492	-0.133	0.000	0.21	0.0	3.2	OK
1.012	26	96	46.479	-0.125	0.000	0.31	0.0	6.6	OK

Summary Wizard of 10080 minute 100 year Winter I+40% for SW-NET1.SWS

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
8.000	801	96	46.451	-0.128	0.000	0.01	0.0	0.4	OK
1.013	28	96	46.451	-0.099	0.000	0.32	0.0	6.7	OK
9.000	901	96	46.445	-0.156	0.000	0.01	0.0	0.2	OK
1.014	30	96	46.444	-0.093	0.000	0.29	0.0	6.9	OK