

JS Bloor (Wilmslow) Ltd		Page 0
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Date 07/02/2024 11:02 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2017.1.1	

STORM SEWER DESIGN by the Modified Rational Method

Pipe Sizes STANDARD Manhole Sizes STANDARD

Designed with Level Soffits

« - Indicates pipe capacity < flow

Network Results Table

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Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
3.000	44.282	0.825	53.7	0.072	5.00	0.0	0.600	o	375	Pipe/Conduit	
3.001	19.072	0.140	136.2	0.093	0.00	0.0	0.600	o	450	Pipe/Conduit	
3.002	36.653	0.175	209.4	0.151	0.00	0.0	0.600	o	525	Pipe/Conduit	
3.003	14.380	0.320	44.9	0.105	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.008	27.959	0.140	199.7	0.123	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.009	21.589	0.230	93.9	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.010	25.448	0.070	363.5	0.120	0.00	0.0	0.600	o	525	Pipe/Conduit	
4.000	23.367	0.999	23.4	0.067	5.00	0.0	0.600	o	300	Pipe/Conduit	
1.011	16.716	0.040	417.9	0.026	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.012	19.123	0.035	546.4	0.051	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.013	18.537	0.360	51.5	0.086	0.00	0.0	0.600	o	600	Pipe/Conduit	
5.000	45.943	0.360	127.6	0.184	5.00	0.0	0.600	o	450	Pipe/Conduit	
5.001	17.179	0.155	110.8	0.113	0.00	0.0	0.600	o	450	Pipe/Conduit	
6.000	42.376	0.457	92.8	0.072	5.00	0.0	0.600	o	300	Pipe/Conduit	
6.001	19.218	0.119	161.9	0.109	0.00	0.0	0.600	o	375	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
3.000	50.00	5.30	95.930	0.072	0.0	0.0	0.0	2.48	273.7	9.8
3.001	50.00	5.48	95.030	0.165	0.0	0.0	0.0	1.74	276.7	22.4
3.002	50.00	5.88	94.815	0.316	0.0	0.0	0.0	1.54	334.2	42.7
3.003	50.00	5.95	94.640	0.421	0.0	0.0	0.0	3.35	724.7	57.0
1.008	50.00	7.78	94.320	1.363	0.0	0.0	0.0	1.58	342.3	184.6
1.009	50.00	7.94	94.180	1.363	0.0	0.0	0.0	2.31	500.6	184.6
1.010	50.00	8.30	93.950	1.483	0.0	0.0	0.0	1.17	253.0	200.8
4.000	50.00	5.12	95.104	0.067	0.0	0.0	0.0	3.26	230.8	9.1
1.011	50.00	8.56	93.880	1.577	0.0	0.0	0.0	1.09	235.8	213.5
1.012	50.00	8.89	93.840	1.628	0.0	0.0	0.0	0.95	205.9	220.4
1.013	50.00	8.98	93.730	1.714	0.0	0.0	0.0	3.40	960.8	232.1
5.000	50.00	5.43	94.070	0.184	0.0	0.0	0.0	1.80	286.0	24.9
5.001	50.00	5.57	93.710	0.297	0.0	0.0	0.0	1.93	307.0	40.2
6.000	50.00	5.43	94.292	0.072	0.0	0.0	0.0	1.63	115.4	9.8
6.001	50.00	5.66	93.760	0.181	0.0	0.0	0.0	1.42	157.0	24.5

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Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
5.002	20.959	0.046		455.0	0.050	0.00	0.0	0.600	o	525 Pipe/Conduit	
1.014	28.717	0.043		667.0	0.078	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.015	26.681	0.040		667.0	0.024	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.016	7.759	0.012		641.2	0.094	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.017	100.192	0.000	10019229173944400.0	0.141	0.00	0.0	0.0	0.600	o	1125 Pipe/Conduit	
7.000	27.873	0.072		385.0	0.192	5.00	0.0	0.600	o	450 Pipe/Conduit	
7.001	26.555	0.069		385.0	0.166	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.002	23.062	0.060		385.0	0.155	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.003	28.734	0.075		385.0	0.048	0.00	0.0	0.600	o	450 Pipe/Conduit	
8.000	20.598	0.118		175.0	0.144	5.00	0.0	0.600	o	300 Pipe/Conduit	
7.004	26.598	0.139		190.9	0.119	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.005	15.843	0.110		144.0	0.094	0.00	0.0	0.600	o	525 Pipe/Conduit	
9.000	25.933	0.175		148.2	0.051	5.00	0.0	0.600	o	300 Pipe/Conduit	
9.001	18.737	0.285		65.7	0.073	0.00	0.0	0.600	o	375 Pipe/Conduit	
7.006	17.288	0.210		82.3	0.074	0.00	0.0	0.600	o	525 Pipe/Conduit	

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)
5.002	50.00	5.99	93.491	0.528	0.0	0.0	0.0	1.04	225.9	71.5
1.014	50.00	9.46	93.295	2.320	0.0	0.0	0.0	1.01	360.4	314.1
1.015	49.80	9.90	93.252	2.343	0.0	0.0	0.0	1.01	360.4	316.1
1.016	49.46	10.03	93.212	2.438	0.0	0.0	0.0	1.03	367.7	326.5
1.017	0.00	10.03	93.200	2.579	0.0	0.0	0.0	0.00	0.0«	0.0
7.000	50.00	5.45	96.165	0.192	0.0	0.0	0.0	1.03	163.8	26.0
7.001	50.00	5.88	96.093	0.358	0.0	0.0	0.0	1.03	163.8	48.4
7.002	50.00	6.25	96.024	0.513	0.0	0.0	0.0	1.03	163.8	69.4
7.003	50.00	6.72	95.964	0.560	0.0	0.0	0.0	1.03	163.8	75.9
8.000	50.00	5.29	96.157	0.144	0.0	0.0	0.0	1.19	83.8	19.5
7.004	50.00	7.02	95.889	0.823	0.0	0.0	0.0	1.47	233.5	111.5
7.005	50.00	7.16	95.675	0.917	0.0	0.0	0.0	1.86	403.6	124.2
9.000	50.00	5.34	96.250	0.051	0.0	0.0	0.0	1.29	91.1	6.9
9.001	50.00	5.47	96.000	0.124	0.0	0.0	0.0	2.24	247.1	16.8
7.006	50.00	7.28	95.565	1.116	0.0	0.0	0.0	2.47	534.7	151.1

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PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
10.000	20.854	0.084	248.9	0.030	5.00	0.0	0.600	o	450	Pipe/Conduit	
10.001	10.001	0.031	320.8	0.046	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.007	20.220	0.335	60.4	0.082	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.008	36.906	0.180	205.5	0.015	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.009	28.378	0.062	455.0	0.155	0.00	0.0	0.600	o	525	Pipe/Conduit	
11.000	24.409	0.146	167.0	0.033	5.00	0.0	0.600	o	225	Pipe/Conduit	
11.001	18.487	0.078	237.9	0.041	0.00	0.0	0.600	o	300	Pipe/Conduit	
11.002	18.482	0.078	237.9	0.005	0.00	0.0	0.600	o	300	Pipe/Conduit	
12.000	50.891	0.305	167.0	0.127	5.00	0.0	0.600	o	225	Pipe/Conduit	
7.010	11.324	0.448	25.3	0.041	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.011	44.443	0.835	53.2	0.054	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.012	9.766	0.164	59.4	0.104	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.013	7.750	0.131	59.4	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.014	52.662	0.000	0.0	0.000	0.00	0.0	0.600	o	675	Pipe/Conduit	
1.018	9.903	0.050	198.1	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.019	14.831	0.150	98.9	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

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)
10.000	50.00	5.27	95.545	0.030	0.0	0.0	0.0	1.28	204.2	4.1
10.001	50.00	5.40	95.386	0.076	0.0	0.0	0.0	1.25	269.5	10.3
7.007	50.00	7.40	95.355	1.275	0.0	0.0	0.0	2.89	625.0	172.6
7.008	50.00	7.79	95.020	1.290	0.0	0.0	0.0	1.56	337.4	174.7
7.009	50.00	8.24	94.840	1.445	0.0	0.0	0.0	1.04	225.9	195.7
11.000	50.00	5.40	95.155	0.033	0.0	0.0	0.0	1.01	40.1	4.5
11.001	50.00	5.71	94.933	0.074	0.0	0.0	0.0	1.01	71.7	10.1
11.002	50.00	6.01	94.856	0.079	0.0	0.0	0.0	1.02	71.8	10.7
12.000	50.00	5.84	95.158	0.127	0.0	0.0	0.0	1.01	40.1	17.2
7.010	50.00	8.29	94.778	1.693	0.0	0.0	0.0	4.47	967.3	229.3
7.011	50.00	8.53	94.330	1.747	0.0	0.0	0.0	3.08	665.7	236.5
7.012	50.00	8.58	93.495	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.013	50.00	8.63	93.331	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.014	44.62	12.09	93.200	1.851	0.0	0.0	0.0	0.25	90.7«	250.6
1.018	44.45	12.17	93.200	4.429	0.0	0.0	0.0	1.98	876.9	533.2
1.019	44.13	12.33	93.150	4.429	0.0	0.0	0.0	1.58	111.8«	533.2

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Online Controls for Surface Network 5

Hydro-Brake® Optimum Manhole: S5050 Control Chamber, DS/PN: 1.019, Volume (m³): 21.5

Unit Reference	MD-SHE-0146-1240-2000-1240
Design Head (m)	2.000
Design Flow (l/s)	12.4
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	146
Invert Level (m)	93.150
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)	2.000	12.4	Kick-Flo®	1.209	9.8
Flush-Flo™	0.587	12.3	Mean Flow over Head Range	-	10.8

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	5.3	1.200	9.9	3.000	15.0	7.000	22.5
0.200	10.3	1.400	10.5	3.500	16.2	7.500	23.3
0.300	11.4	1.600	11.1	4.000	17.2	8.000	24.0
0.400	12.0	1.800	11.8	4.500	18.2	8.500	24.7
0.500	12.3	2.000	12.4	5.000	19.2	9.000	25.4
0.600	12.3	2.200	13.0	5.500	20.1	9.500	26.1
0.800	12.1	2.400	13.5	6.000	20.9		
1.000	11.4	2.600	14.0	6.500	21.7		

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Storage Structures for Surface Network 5

Tank or Pond Manhole: S5050 Control Chamber, DS/PN: 1.019

Invert Level (m) 93.150

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	2749.0	0.700	3475.2	1.400	4241.7	2.100	5046.6
0.100	2848.7	0.800	3582.3	1.500	4354.3	2.200	5164.8
0.200	2951.1	0.900	3690.3	1.600	4467.8	2.300	5283.7
0.300	3054.4	1.000	3799.0	1.700	4582.0	2.301	5283.7
0.400	3158.4	1.100	3908.5	1.800	4697.0		
0.500	3263.2	1.200	4018.8	1.900	4812.7		
0.600	3368.8	1.300	4129.8	2.000	4929.3		

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Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	20 94.162	-0.358	0.000	0.09		23.5	OK
5.001		S5025	37 93.832	-0.328	0.000	0.16		36.0	OK
6.000		S5026	20 94.352	-0.240	0.000	0.09		9.3	OK
6.001		S5027	36 93.862	-0.273	0.000	0.16		21.1	OK
5.002		S5028	39 93.783	-0.234	0.000	0.34		58.9	OK
1.014		S5029	39 93.776	-0.194	0.000	0.67		176.4	OK
1.015		S5030	39 93.728	-0.199	0.000	0.68		170.6	OK
1.016		S8121	39 93.679	-0.209	0.000	0.74		169.8	OK
1.017	S5036 - Headwall	44 93.662	-0.663	0.000	0.17			166.3	OK
7.000		S8135	20 96.324	-0.291	0.000	0.17		24.4	OK
7.001		S8136	22 96.287	-0.255	0.000	0.29		40.4	OK
7.002		S8137	22 96.237	-0.237	0.000	0.40		54.7	OK
7.003		S8161	23 96.175	-0.239	0.000	0.41		58.1	OK
8.000		S8151	20 96.260	-0.197	0.000	0.25		18.6	OK
7.004		S8162	24 96.094	-0.246	0.000	0.42		83.4	OK
7.005		S8152	24 95.893	-0.307	0.000	0.36		91.3	OK
9.000		S8144	20 96.307	-0.243	0.000	0.08		6.5	OK
9.001		S8145	20 96.066	-0.309	0.000	0.07		14.6	OK
7.006		S8146	24 95.767	-0.323	0.000	0.31		109.6	OK
10.000		S8165	22 95.594	-0.401	0.000	0.02		3.9	OK
10.001		S8164	24 95.546	-0.365	0.000	0.05		7.8	OK
7.007		S8147	24 95.544	-0.336	0.000	0.28		124.0	OK
7.008		S8150	24 95.269	-0.276	0.000	0.43		124.9	OK
7.009		S8149	24 95.174	-0.191	0.000	0.72		135.0	OK
11.000		S5037	20 95.206	-0.174	0.000	0.12		4.3	OK
11.001		S5038	24 95.014	-0.219	0.000	0.14		8.6	OK
11.002		S5039	24 94.981	-0.175	0.000	0.13		8.3	OK
12.000		S5040	20 95.261	-0.121	0.000	0.42		16.1	OK
7.010		S5041	24 94.974	-0.329	0.000	0.30		153.8	OK
7.011		S5042	24 94.515	-0.340	0.000	0.27		157.9	OK
7.012		S5047	35 93.768	-0.252	0.000	0.53		165.4	OK
7.013		S8167	39 93.696	-0.159	0.000	0.59		162.9	OK
7.014	S5048 - Headwall	42 93.675	-0.200	0.000	0.61			156.1	OK
1.018	S5049 - Headwall	47 93.617	-0.333	0.000	0.60			299.7	OK
1.019	S5050 Control Chamber	72 93.238	-0.212	0.000	0.05			4.3	OK

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Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	21 96.800	-0.315	0.000	0.06	11.4	OK	
2.000		S8133	21 97.456	-0.254	0.000	0.06	8.9	OK	
1.001		S8134	22 96.221	-0.329	0.000	0.16	29.6	OK	
1.002		S8141	23 96.047	-0.398	0.000	0.13	40.4	OK	
1.003		S8139	23 95.847	-0.408	0.000	0.11	42.9	OK	
1.004		S8140	25 95.460	-0.385	0.000	0.16	57.5	OK	
1.005		S4008	25 95.337	-0.289	0.000	0.41	67.0	OK	
1.006		S4011	25 95.204	-0.385	0.000	0.16	69.1	OK	
1.007		S4012	25 94.740	-0.345	0.000	0.25	80.6	OK	
3.000		S8157	21 95.975	-0.330	0.000	0.03	8.5	OK	
3.001		S8159	23 95.118	-0.362	0.000	0.09	18.0	OK	
3.002		S8154	23 94.934	-0.406	0.000	0.11	32.9	OK	
3.003		S8155	23 94.751	-0.414	0.000	0.10	43.6	OK	
1.008		S5015	25 94.572	-0.273	0.000	0.46	131.5	OK	
1.009		S5016	27 94.423	-0.282	0.000	0.35	128.6	OK	
1.010	S5017 - PH4 Connection	27 94.385	-0.090	0.000	0.65	133.8	OK		
4.000		S5018	21 95.142	-0.262	0.000	0.04	7.9	OK	
1.011		S5019	27 94.349	-0.056	0.000	0.84	133.8	OK	
1.012	S5020 PH5 Connection	27 94.311	-0.054	0.000	1.00	133.3	OK		
1.013		S5021	37 93.925	-0.405	0.000	0.23	139.0	OK	

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Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Flooded Volume (m³)				
5.000		S5023	21 94.157	-0.363	0.000	0.08		21.4	OK
5.001		S5025	39 93.825	-0.335	0.000	0.15		32.9	OK
6.000		S5026	21 94.348	-0.244	0.000	0.08		8.5	OK
6.001		S5027	37 93.856	-0.279	0.000	0.15		19.5	OK
5.002		S5028	38 93.793	-0.223	0.000	0.31		53.0	OK
1.014		S5029	38 93.787	-0.183	0.000	0.68		178.2	OK
1.015		S5030	38 93.739	-0.188	0.000	0.69		173.7	OK
1.016		S8121	38 93.688	-0.199	0.000	0.76		174.9	OK
1.017	S5036 - Headwall	41 93.672	-0.653	0.000	0.18			174.1	OK
7.000		S8135	23 96.317	-0.298	0.000	0.16		22.0	OK
7.001		S8136	25 96.279	-0.264	0.000	0.27		37.6	OK
7.002		S8137	25 96.230	-0.244	0.000	0.38		51.4	OK
7.003		S8161	25 96.170	-0.244	0.000	0.40		55.4	OK
8.000		S8151	21 96.254	-0.203	0.000	0.23		16.9	OK
7.004		S8162	25 96.089	-0.251	0.000	0.40		79.9	OK
7.005		S8152	25 95.888	-0.312	0.000	0.35		88.0	OK
9.000		S8144	21 96.303	-0.247	0.000	0.07		6.0	OK
9.001		S8145	23 96.062	-0.313	0.000	0.07		13.5	OK
7.006		S8146	25 95.762	-0.328	0.000	0.30		106.3	OK
10.000		S8165	25 95.592	-0.403	0.000	0.02		3.5	OK
10.001		S8164	25 95.542	-0.369	0.000	0.04		7.4	OK
7.007		S8147	25 95.540	-0.340	0.000	0.27		120.4	OK
7.008		S8150	25 95.265	-0.280	0.000	0.42		120.7	OK
7.009		S8149	26 95.167	-0.199	0.000	0.70		131.2	OK
11.000		S5037	21 95.203	-0.177	0.000	0.10		3.9	OK
11.001		S5038	25 95.011	-0.222	0.000	0.13		8.0	OK
11.002		S5039	26 94.978	-0.178	0.000	0.12		7.6	OK
12.000		S5040	21 95.255	-0.128	0.000	0.37		14.4	OK
7.010		S5041	26 94.972	-0.331	0.000	0.29		150.6	OK
7.011		S5042	26 94.513	-0.342	0.000	0.26		154.2	OK
7.012		S5047	37 93.765	-0.255	0.000	0.52		161.9	OK
7.013		S8167	38 93.705	-0.151	0.000	0.58		160.4	OK
7.014	S5048 - Headwall	38 93.683	-0.192	0.000	0.61			155.5	OK
1.018	S5049 - Headwall	44 93.627	-0.323	0.000	0.62			310.3	OK
1.019	S5050 Control Chamber	70 93.263	-0.187	0.000	0.07			6.3	OK

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Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	28 94.142	-0.378	0.000	0.06		15.3	OK
5.001		S5025	40 93.810	-0.350	0.000	0.11		24.5	OK
6.000		S5026	28 94.338	-0.253	0.000	0.06		6.0	OK
6.001		S5027	40 93.844	-0.291	0.000	0.11		14.8	OK
5.002		S5028	40 93.773	-0.243	0.000	0.24		40.5	OK
1.014		S5029	40 93.766	-0.204	0.000	0.61		160.2	OK
1.015		S5030	40 93.718	-0.209	0.000	0.63		158.1	OK
1.016		S8121	43 93.668	-0.219	0.000	0.69		159.6	OK
1.017	S5036 - Headwall	45 93.651	-0.674	0.000	0.17			163.2	OK
7.000		S8135	30 96.293	-0.322	0.000	0.11		16.0	OK
7.001		S8136	30 96.255	-0.288	0.000	0.21		29.0	OK
7.002		S8137	30 96.206	-0.268	0.000	0.30		40.4	OK
7.003		S8161	30 96.147	-0.267	0.000	0.31		44.1	OK
8.000		S8151	28 96.240	-0.217	0.000	0.17		12.1	OK
7.004		S8162	30 96.067	-0.272	0.000	0.32		63.7	OK
7.005		S8152	30 95.865	-0.335	0.000	0.28		70.8	OK
9.000		S8144	28 96.295	-0.255	0.000	0.05		4.3	OK
9.001		S8145	29 96.054	-0.321	0.000	0.05		10.1	OK
7.006		S8146	30 95.742	-0.348	0.000	0.24		85.6	OK
10.000		S8165	30 95.580	-0.415	0.000	0.02		2.5	OK
10.001		S8164	30 95.524	-0.387	0.000	0.03		5.8	OK
7.007		S8147	30 95.522	-0.358	0.000	0.22		97.5	OK
7.008		S8150	31 95.233	-0.312	0.000	0.34		98.9	OK
7.009		S8149	31 95.129	-0.237	0.000	0.58		108.3	OK
11.000		S5037	28 95.196	-0.184	0.000	0.07		2.8	OK
11.001		S5038	31 95.002	-0.232	0.000	0.10		6.1	OK
11.002		S5039	32 94.961	-0.195	0.000	0.10		6.1	OK
12.000		S5040	28 95.240	-0.143	0.000	0.28		10.7	OK
7.010		S5041	31 94.954	-0.349	0.000	0.24		125.7	OK
7.011		S5042	31 94.497	-0.358	0.000	0.22		128.9	OK
7.012		S5047	40 93.739	-0.281	0.000	0.43		135.3	OK
7.013		S8167	43 93.674	-0.181	0.000	0.48		134.0	OK
7.014	S5048 - Headwall	45 93.655	-0.220	0.000	0.52			132.4	OK
1.018	S5049 - Headwall	52 93.604	-0.346	0.000	0.56			282.5	OK
1.019	S5050 Control Chamber	68 93.290	-0.160	0.000	0.09			8.1	OK

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Summary Wizard of 120 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

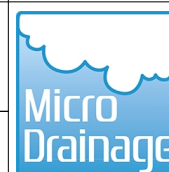
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	38 96.782	-0.333	0.000	0.03		5.5	OK
2.000		S8133	38 97.443	-0.267	0.000	0.03		4.3	OK
1.001		S8134	38 96.186	-0.364	0.000	0.08		14.9	OK
1.002		S8141	38 96.010	-0.435	0.000	0.07		20.9	OK
1.003		S8139	38 95.812	-0.443	0.000	0.06		22.1	OK
1.004		S8140	38 95.424	-0.421	0.000	0.09		30.5	OK
1.005		S4008	38 95.270	-0.356	0.000	0.22		36.1	OK
1.006		S4011	38 95.169	-0.420	0.000	0.08		36.9	OK
1.007		S4012	38 94.693	-0.392	0.000	0.14		44.0	OK
3.000		S8157	38 95.959	-0.346	0.000	0.02		4.0	OK
3.001		S8159	38 95.090	-0.390	0.000	0.04		9.3	OK
3.002		S8154	38 94.899	-0.441	0.000	0.06		17.6	OK
3.003		S8155	38 94.719	-0.446	0.000	0.05		23.4	OK
1.008		S5015	38 94.505	-0.340	0.000	0.26		73.2	OK
1.009		S5016	38 94.341	-0.364	0.000	0.20		72.5	OK
1.010	S5017 - PH4 Connection	39 94.231	-0.244	0.000	0.38			79.2	OK
4.000		S5018	38 95.130	-0.274	0.000	0.02		3.8	OK
1.011		S5019	39 94.189	-0.216	0.000	0.53		84.4	OK
1.012	S5020 PH5 Connection	39 94.150	-0.215	0.000	0.66			87.3	OK
1.013		S5021	44 93.885	-0.445	0.000	0.15		91.4	OK

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Summary Wizard of 120 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow		Pipe Flow (l/s)	Status
						Flow Cap.	(l/s)		
5.000		S5023	39	94.128	-0.392	0.000	0.04	10.3	OK
5.001		S5025	44	93.791	-0.369	0.000	0.07	16.6	OK
6.000		S5026	38	94.329	-0.263	0.000	0.04	4.1	OK
6.001		S5027	44	93.829	-0.306	0.000	0.08	10.2	OK
5.002		S5028	44	93.709	-0.307	0.000	0.17	28.5	OK
1.014		S5029	44	93.699	-0.272	0.000	0.46	120.0	OK
1.015		S5030	49	93.656	-0.271	0.000	0.48	119.2	OK
1.016		S8121	54	93.610	-0.277	0.000	0.53	121.8	OK
1.017	S5036 - Headwall	55	93.593	-0.732	0.000	0.13		126.4	OK
7.000		S8135	38	96.267	-0.349	0.000	0.08	10.7	OK
7.001		S8136	38	96.225	-0.318	0.000	0.14	19.6	OK
7.002		S8137	38	96.173	-0.300	0.000	0.21	27.8	OK
7.003		S8161	38	96.114	-0.300	0.000	0.21	29.9	OK
8.000		S8151	38	96.223	-0.234	0.000	0.11	8.1	OK
7.004		S8162	38	96.036	-0.303	0.000	0.22	44.1	OK
7.005		S8152	38	95.834	-0.366	0.000	0.19	48.7	OK
9.000		S8144	38	96.286	-0.264	0.000	0.03	2.9	OK
9.001		S8145	38	96.045	-0.330	0.000	0.03	7.0	OK
7.006		S8146	38	95.713	-0.377	0.000	0.17	59.4	OK
10.000		S8165	38	95.567	-0.428	0.000	0.01	1.7	OK
10.001		S8164	38	95.496	-0.415	0.000	0.02	4.2	OK
7.007		S8147	38	95.494	-0.386	0.000	0.15	67.3	OK
7.008		S8150	39	95.195	-0.350	0.000	0.23	68.0	OK
7.009		S8149	39	95.078	-0.288	0.000	0.41	77.1	OK
11.000		S5037	38	95.187	-0.193	0.000	0.05	1.8	OK
11.001		S5038	38	94.987	-0.246	0.000	0.07	4.1	OK
11.002		S5039	39	94.938	-0.218	0.000	0.07	4.3	OK
12.000		S5040	38	95.223	-0.160	0.000	0.18	7.1	OK
7.010		S5041	39	94.926	-0.377	0.000	0.17	89.4	OK
7.011		S5042	39	94.470	-0.385	0.000	0.16	92.7	OK
7.012		S5047	44	93.697	-0.323	0.000	0.31	97.8	OK
7.013		S8167	55	93.608	-0.247	0.000	0.35	97.5	OK
7.014	S5048 - Headwall	55	93.594	-0.281	0.000	0.38		96.1	OK
1.018	S5049 - Headwall	55	93.543	-0.407	0.000	0.44		219.0	OK
1.019	S5050 Control Chamber	66	93.316	-0.134	0.000	0.10		9.7	OK

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Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 44	96.779	-0.336	0.000	0.02		4.4	OK
2.000		S8133 44	97.441	-0.269	0.000	0.02		3.4	OK
1.001		S8134 44	96.175	-0.375	0.000	0.06		11.8	OK
1.002		S8141 44	95.999	-0.446	0.000	0.05		16.5	OK
1.003		S8139 44	95.802	-0.453	0.000	0.05		17.5	OK
1.004		S8140 44	95.410	-0.435	0.000	0.07		24.2	OK
1.005		S4008 44	95.250	-0.376	0.000	0.18		28.8	OK
1.006		S4011 45	95.154	-0.435	0.000	0.07		29.9	OK
1.007		S4012 45	94.677	-0.408	0.000	0.11		35.9	OK
3.000		S8157 44	95.953	-0.352	0.000	0.01		3.2	OK
3.001		S8159 44	95.084	-0.396	0.000	0.03		7.3	OK
3.002		S8154 44	94.889	-0.451	0.000	0.05		13.9	OK
3.003		S8155 44	94.710	-0.455	0.000	0.04		18.3	OK
1.008		S5015 45	94.483	-0.362	0.000	0.21		59.4	OK
1.009		S5016 45	94.320	-0.385	0.000	0.16		59.4	OK
1.010	S5017 - PH4 Connection	45	94.192	-0.283	0.000	0.31		64.1	OK
4.000		S5018 44	95.125	-0.279	0.000	0.01		3.0	OK
1.011		S5019 45	94.149	-0.256	0.000	0.42		67.2	OK
1.012	S5020 PH5 Connection	47	94.111	-0.254	0.000	0.52		69.5	OK
1.013		S5021 48	93.869	-0.461	0.000	0.12		73.1	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000	S5036 - Headwall	45	94.122	-0.398	0.000	0.03		8.3	OK
5.001		47	93.781	-0.379	0.000	0.06		13.2	OK
5.000		44	94.326	-0.266	0.000	0.03		3.2	OK
5.001		47	93.820	-0.315	0.000	0.06		8.0	OK
5.002		53	93.670	-0.346	0.000	0.13		22.8	OK
1.014		54	93.654	-0.316	0.000	0.37		96.8	OK
1.015		56	93.613	-0.314	0.000	0.39		97.2	OK
1.016		57	93.572	-0.315	0.000	0.43		99.9	OK
1.017		57	93.556	-0.769	0.000	0.11		104.0	OK
7.000		58	93.519	-0.315	0.000	0.11		10.0	OK
7.001		44	96.208	-0.335	0.000	0.11		15.5	OK
7.002		45	96.156	-0.318	0.000	0.16		22.3	OK
7.003		45	96.097	-0.317	0.000	0.17		24.5	OK
3.000		44	96.217	-0.240	0.000	0.09		6.5	OK
7.004		45	96.018	-0.321	0.000	0.18		35.7	OK
7.005		45	95.813	-0.387	0.000	0.16		39.7	OK
9.000		44	96.283	-0.267	0.000	0.03		2.3	OK
9.001		44	96.041	-0.334	0.000	0.03		5.5	OK
7.006		45	95.693	-0.397	0.000	0.14		48.2	OK
0.000		44	95.563	-0.432	0.000	0.01		1.4	OK
0.001		45	95.479	-0.432	0.000	0.02		3.3	OK
7.007		45	95.477	-0.403	0.000	0.12		54.9	OK
7.008		45	95.175	-0.370	0.000	0.19		55.5	OK
7.009		45	95.048	-0.317	0.000	0.33		61.3	OK
1.000		44	95.184	-0.196	0.000	0.04		1.5	OK
1.001	45	94.979	-0.254	0.000	0.05		3.3	OK	
1.002	45	94.923	-0.233	0.000	0.06		3.4	OK	
2.000	44	95.215	-0.167	0.000	0.15		5.7	OK	
7.010	45	94.909	-0.394	0.000	0.14		71.5	OK	
7.011	45	94.454	-0.401	0.000	0.13		73.8	OK	
7.012	51	93.674	-0.346	0.000	0.25		78.0	OK	
7.013	57	93.565	-0.290	0.000	0.28		78.0	OK	
7.014	57	93.554	-0.321	0.000	0.30		77.6	OK	
1.018	57	93.508	-0.442	0.000	0.36		179.4	OK	
1.019	65	93.329	-0.121	0.000	0.11		9.9	OK	

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Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	48 96.774	-0.341	0.000	0.02		3.6	OK
2.000		S8133	48 97.436	-0.274	0.000	0.02		2.8	OK
1.001		S8134	48 96.167	-0.383	0.000	0.05		9.8	OK
1.002		S8141	48 95.991	-0.454	0.000	0.04		13.7	OK
1.003		S8139	48 95.796	-0.459	0.000	0.04		14.7	OK
1.004		S8140	48 95.400	-0.445	0.000	0.06		20.2	OK
1.005		S4008	48 95.236	-0.390	0.000	0.15		24.0	OK
1.006		S4011	48 95.145	-0.444	0.000	0.06		24.6	OK
1.007		S4012	48 94.668	-0.417	0.000	0.09		29.5	OK
3.000		S8157	48 95.949	-0.356	0.000	0.01		2.7	OK
3.001		S8159	48 95.080	-0.400	0.000	0.03		6.1	OK
3.002		S8154	48 94.883	-0.457	0.000	0.04		11.6	OK
3.003		S8155	48 94.704	-0.461	0.000	0.04		15.4	OK
1.008		S5015	48 94.468	-0.377	0.000	0.17		49.0	OK
1.009		S5016	48 94.308	-0.397	0.000	0.13		48.8	OK
1.010	S5017 - PH4 Connection	50 94.167	-0.308	0.000	0.26			53.3	OK
4.000		S5018	48 95.121	-0.283	0.000	0.01		2.5	OK
1.011		S5019	51 94.121	-0.284	0.000	0.36		56.7	OK
1.012	S5020 PH5 Connection	51 94.083	-0.282	0.000	0.44			58.6	OK
1.013		S5021	51 93.857	-0.473	0.000	0.10		61.5	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	49	94.118	-0.402	0.000	0.03	6.8	OK
5.001		S5025	50	93.774	-0.386	0.000	0.05	10.9	OK
5.000		S5026	48	94.323	-0.268	0.000	0.02	2.7	OK
5.001		S5027	50	93.814	-0.321	0.000	0.05	6.7	OK
5.002		S5028	56	93.645	-0.372	0.000	0.11	19.1	OK
1.014		S5029	56	93.624	-0.346	0.000	0.31	81.9	OK
1.015		S5030	58	93.584	-0.343	0.000	0.33	81.9	OK
1.016		S8121	58	93.544	-0.343	0.000	0.37	84.2	OK
1.017	S5036 - Headwall	58	93.529	-0.796	0.000	0.09		88.6	OK
7.000		S8135	48	96.244	-0.371	0.000	0.05	7.1	OK
7.001		S8136	48	96.197	-0.346	0.000	0.09	13.0	OK
7.002		S8137	48	96.143	-0.331	0.000	0.14	18.6	OK
7.003		S8161	48	96.084	-0.330	0.000	0.14	20.1	OK
3.000		S8151	48	96.210	-0.247	0.000	0.07	5.3	OK
7.004		S8162	48	96.006	-0.333	0.000	0.15	29.5	OK
7.005		S8152	49	95.801	-0.399	0.000	0.13	32.8	OK
9.000		S8144	48	96.281	-0.269	0.000	0.02	1.9	OK
9.001		S8145	48	96.038	-0.337	0.000	0.02	4.6	OK
7.006		S8146	49	95.683	-0.407	0.000	0.11	39.9	OK
0.000		S8165	48	95.559	-0.436	0.000	0.01	1.1	OK
0.001		S8164	49	95.470	-0.441	0.000	0.02	2.8	OK
7.007		S8147	49	95.468	-0.412	0.000	0.10	45.5	OK
7.008		S8150	49	95.161	-0.384	0.000	0.16	46.0	OK
7.009		S8149	50	95.029	-0.336	0.000	0.28	51.8	OK
1.000		S5037	48	95.181	-0.199	0.000	0.03	1.2	OK
1.001		S5038	48	94.974	-0.259	0.000	0.04	2.7	OK
1.002		S5039	50	94.915	-0.240	0.000	0.05	2.9	OK
2.000		S5040	48	95.210	-0.173	0.000	0.12	4.7	OK
7.010		S5041	50	94.898	-0.405	0.000	0.12	60.4	OK
7.011		S5042	50	94.444	-0.411	0.000	0.11	62.5	OK
7.012		S5047	55	93.659	-0.361	0.000	0.21	66.1	OK
7.013		S8167	58	93.538	-0.317	0.000	0.24	66.0	OK
7.014	S5048 - Headwall	58	93.525	-0.350	0.000	0.26		65.6	OK
1.018	S5049 - Headwall	58	93.481	-0.469	0.000	0.30		152.8	OK
1.019	S5050 Control Chamber	63	93.338	-0.112	0.000	0.11		10.1	OK

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Summary Wizard of 360 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	55 96.766	-0.349	0.000	0.01		2.7	OK
2.000		S8133	55 97.429	-0.281	0.000	0.01		2.1	OK
1.001		S8134	55 96.158	-0.392	0.000	0.04		7.3	OK
1.002		S8141	55 95.982	-0.463	0.000	0.03		10.3	OK
1.003		S8139	55 95.788	-0.467	0.000	0.03		11.1	OK
1.004		S8140	55 95.389	-0.456	0.000	0.04		15.2	OK
1.005		S4008	55 95.217	-0.409	0.000	0.11		18.1	OK
1.006		S4011	55 95.134	-0.455	0.000	0.04		18.7	OK
1.007		S4012	55 94.652	-0.433	0.000	0.07		22.5	OK
3.000		S8157	55 95.944	-0.361	0.000	0.01		2.0	OK
3.001		S8159	55 95.075	-0.405	0.000	0.02		4.6	OK
3.002		S8154	55 94.875	-0.465	0.000	0.03		8.7	OK
3.003		S8155	55 94.697	-0.468	0.000	0.03		11.6	OK
1.008		S5015	55 94.446	-0.399	0.000	0.13		37.4	OK
1.009		S5016	55 94.292	-0.413	0.000	0.10		37.3	OK
1.010	S5017 - PH4 Connection	56 94.134	-0.341	0.000	0.20			40.4	OK
4.000		S5018	55 95.117	-0.287	0.000	0.01		1.9	OK
1.011		S5019	56 94.087	-0.318	0.000	0.27		42.8	OK
1.012	S5020 PH5 Connection	56 94.049	-0.316	0.000	0.33			43.9	OK
1.013		S5021	56 93.841	-0.489	0.000	0.08		46.1	OK

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Summary Wizard of 480 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	59 96.761	-0.354	0.000	0.01		2.2	OK
2.000		S8133	59 97.426	-0.284	0.000	0.01		1.7	OK
1.001		S8134	59 96.153	-0.397	0.000	0.03		5.9	OK
1.002		S8141	59 95.977	-0.468	0.000	0.03		8.4	OK
1.003		S8139	59 95.784	-0.471	0.000	0.02		9.0	OK
1.004		S8140	59 95.383	-0.462	0.000	0.03		12.4	OK
1.005		S4008	59 95.207	-0.419	0.000	0.09		14.7	OK
1.006		S4011	59 95.127	-0.462	0.000	0.03		15.2	OK
1.007		S4012	59 94.641	-0.444	0.000	0.06		18.3	OK
3.000		S8157	59 95.941	-0.364	0.000	0.01		1.6	OK
3.001		S8159	59 95.067	-0.413	0.000	0.02		3.7	OK
3.002		S8154	59 94.870	-0.470	0.000	0.02		7.0	OK
3.003		S8155	59 94.693	-0.472	0.000	0.02		9.4	OK
1.008		S5015	59 94.434	-0.411	0.000	0.11		30.4	OK
1.009		S5016	59 94.280	-0.425	0.000	0.08		30.4	OK
1.010	S5017 - PH4 Connection	59 94.113	-0.362	0.000	0.16			33.0	OK
4.000		S5018	59 95.114	-0.290	0.000	0.01		1.5	OK
1.011		S5019	59 94.064	-0.341	0.000	0.22		34.9	OK
1.012	S5020 PH5 Connection	59 94.026	-0.339	0.000	0.27			35.9	OK
1.013		S5021	59 93.828	-0.502	0.000	0.06		37.7	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	59	94.104	-0.416	0.000	0.02	4.1	OK
5.001		S5025	59	93.761	-0.399	0.000	0.03	6.6	OK
5.000		S5026	59	94.313	-0.279	0.000	0.01	1.6	OK
5.001		S5027	59	93.803	-0.332	0.000	0.03	4.0	OK
5.002		S5028	62	93.595	-0.421	0.000	0.07	11.7	OK
1.014		S5029	62	93.551	-0.419	0.000	0.19	50.5	OK
1.015		S5030	62	93.513	-0.414	0.000	0.20	50.6	OK
1.016		S8121	62	93.476	-0.411	0.000	0.23	52.7	OK
1.017	S5036 - Headwall	62	93.463	-0.862	0.000	0.06		55.9	OK
7.000		S8135	59	96.224	-0.392	0.000	0.03	4.3	OK
7.001		S8136	59	96.172	-0.370	0.000	0.06	8.0	OK
7.002		S8137	59	96.117	-0.357	0.000	0.08	11.4	OK
7.003		S8161	59	96.058	-0.356	0.000	0.09	12.5	OK
8.000		S8151	59	96.197	-0.260	0.000	0.04	3.2	OK
7.004		S8162	59	95.981	-0.358	0.000	0.09	18.4	OK
7.005		S8152	59	95.774	-0.426	0.000	0.08	20.5	OK
9.000		S8144	59	96.270	-0.280	0.000	0.01	1.1	OK
9.001		S8145	59	96.024	-0.351	0.000	0.01	2.8	OK
7.006		S8146	59	95.656	-0.434	0.000	0.07	24.9	OK
0.000		S8165	59	95.554	-0.441	0.000	0.00	0.7	OK
0.001		S8164	59	95.445	-0.466	0.000	0.01	1.7	OK
7.007		S8147	59	95.441	-0.439	0.000	0.06	28.4	OK
7.008		S8150	59	95.130	-0.415	0.000	0.10	28.8	OK
7.009		S8149	59	94.986	-0.380	0.000	0.17	32.1	OK
1.000		S5037	59	95.176	-0.204	0.000	0.02	0.7	OK
1.001		S5038	59	94.966	-0.267	0.000	0.03	1.7	OK
1.002		S5039	59	94.896	-0.259	0.000	0.03	1.8	OK
2.000		S5040	59	95.198	-0.185	0.000	0.07	2.8	OK
7.010		S5041	59	94.871	-0.432	0.000	0.07	37.6	OK
7.011		S5042	59	94.418	-0.437	0.000	0.07	38.7	OK
7.012		S5047	61	93.621	-0.399	0.000	0.13	40.8	OK
7.013		S8167	62	93.477	-0.378	0.000	0.15	40.6	OK
7.014	S5048 - Headwall	62	93.459	-0.416	0.000	0.16		40.5	OK
1.018	S5049 - Headwall	62	93.420	-0.530	0.000	0.19		96.4	OK
1.019	S5050 Control Chamber	60	93.354	-0.096	0.000	0.11		10.3	OK

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Summary Wizard of 600 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 63	96.757	-0.358	0.000	0.01		1.8	OK
2.000		S8133 63	97.423	-0.287	0.000	0.01		1.4	OK
1.001		S8134 63	96.149	-0.401	0.000	0.03		5.0	OK
1.002		S8141 63	95.974	-0.471	0.000	0.02		7.1	OK
1.003		S8139 63	95.779	-0.476	0.000	0.02		7.6	OK
1.004		S8140 63	95.379	-0.466	0.000	0.03		10.5	OK
1.005		S4008 63	95.197	-0.429	0.000	0.08		12.5	OK
1.006		S4011 63	95.123	-0.466	0.000	0.03		12.9	OK
1.007		S4012 63	94.634	-0.451	0.000	0.05		15.5	OK
3.000		S8157 63	95.940	-0.365	0.000	0.01		1.4	OK
3.001		S8159 63	95.062	-0.418	0.000	0.01		3.1	OK
3.002		S8154 63	94.867	-0.473	0.000	0.02		6.0	OK
3.003		S8155 63	94.686	-0.479	0.000	0.02		8.0	OK
1.008		S5015 63	94.426	-0.419	0.000	0.09		25.8	OK
1.009		S5016 63	94.271	-0.434	0.000	0.07		25.8	OK
1.010	S5017 - PH4 Connection	63	94.098	-0.377	0.000	0.14		28.0	OK
4.000		S5018 63	95.113	-0.291	0.000	0.01		1.3	OK
1.011		S5019 63	94.049	-0.356	0.000	0.19		29.7	OK
1.012	S5020 PH5 Connection	63	94.010	-0.355	0.000	0.23		30.5	OK
1.013		S5021 63	93.819	-0.511	0.000	0.05		32.0	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	63	94.099	-0.421	0.000	0.01	3.5	OK
5.001		S5025	63	93.758	-0.402	0.000	0.03	5.6	OK
5.000		S5026	63	94.310	-0.282	0.000	0.01	1.4	OK
5.001		S5027	63	93.800	-0.335	0.000	0.03	3.4	OK
5.002		S5028	64	93.581	-0.435	0.000	0.06	10.0	OK
1.014		S5029	64	93.530	-0.440	0.000	0.16	43.2	OK
1.015		S5030	64	93.493	-0.434	0.000	0.17	43.2	OK
1.016		S8121	64	93.457	-0.430	0.000	0.19	44.7	OK
1.017	S5036 - Headwall	64	93.444	-0.881	0.000	0.05		47.6	OK
7.000		S8135	63	96.219	-0.396	0.000	0.03	3.6	OK
7.001		S8136	63	96.165	-0.378	0.000	0.05	6.8	OK
7.002		S8137	63	96.109	-0.365	0.000	0.07	9.7	OK
7.003		S8161	63	96.050	-0.363	0.000	0.08	10.6	OK
8.000		S8151	63	96.194	-0.263	0.000	0.04	2.7	OK
7.004		S8162	63	95.973	-0.366	0.000	0.08	15.6	OK
7.005		S8152	63	95.764	-0.436	0.000	0.07	17.4	OK
9.000		S8144	63	96.267	-0.283	0.000	0.01	1.0	OK
9.001		S8145	63	96.020	-0.355	0.000	0.01	2.3	OK
7.006		S8146	63	95.648	-0.442	0.000	0.06	21.1	OK
0.000		S8165	63	95.552	-0.443	0.000	0.00	0.6	OK
0.001		S8164	63	95.439	-0.473	0.000	0.01	1.4	OK
7.007		S8147	63	95.433	-0.447	0.000	0.05	24.1	OK
7.008		S8150	63	95.121	-0.424	0.000	0.08	24.4	OK
7.009		S8149	63	94.973	-0.392	0.000	0.15	27.3	OK
1.000		S5037	63	95.173	-0.207	0.000	0.02	0.6	OK
1.001		S5038	63	94.964	-0.269	0.000	0.02	1.4	OK
1.002		S5039	63	94.892	-0.264	0.000	0.02	1.5	OK
2.000		S5040	63	95.194	-0.189	0.000	0.06	2.4	OK
7.010		S5041	63	94.863	-0.440	0.000	0.06	31.9	OK
7.011		S5042	63	94.410	-0.445	0.000	0.06	32.8	OK
7.012		S5047	64	93.612	-0.408	0.000	0.11	34.7	OK
7.013		S8167	64	93.460	-0.395	0.000	0.12	34.5	OK
7.014	S5048 - Headwall	64	93.439	-0.436	0.000	0.13		34.3	OK
1.018	S5049 - Headwall	64	93.401	-0.549	0.000	0.16		82.2	OK
1.019	S5050 Control Chamber	59	93.358	-0.092	0.000	0.11		10.4	OK

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Summary Wizard of 720 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	65 96.755	-0.360	0.000	0.01	1.6	OK	
2.000		S8133	65 97.422	-0.288	0.000	0.01	1.3	OK	
1.001		S8134	65 96.147	-0.403	0.000	0.02	4.4	OK	
1.002		S8141	65 95.970	-0.475	0.000	0.02	6.2	OK	
1.003		S8139	65 95.773	-0.482	0.000	0.02	6.6	OK	
1.004		S8140	65 95.376	-0.469	0.000	0.03	9.2	OK	
1.005		S4008	65 95.189	-0.437	0.000	0.07	10.9	OK	
1.006		S4011	65 95.120	-0.469	0.000	0.03	11.3	OK	
1.007		S4012	65 94.629	-0.456	0.000	0.04	13.6	OK	
3.000		S8157	65 95.938	-0.367	0.000	0.00	1.2	OK	
3.001		S8159	65 95.058	-0.422	0.000	0.01	2.7	OK	
3.002		S8154	65 94.860	-0.480	0.000	0.02	5.2	OK	
3.003		S8155	65 94.680	-0.485	0.000	0.02	7.0	OK	
1.008		S5015	65 94.418	-0.427	0.000	0.08	22.5	OK	
1.009		S5016	65 94.264	-0.441	0.000	0.06	22.5	OK	
1.010	S5017 - PH4 Connection	65 94.087	-0.388	0.000	0.12	24.5	OK		
4.000		S5018	65 95.112	-0.292	0.000	0.01	1.1	OK	
1.011		S5019	65 94.038	-0.367	0.000	0.16	26.0	OK	
1.012	S5020 PH5 Connection	65 93.999	-0.366	0.000	0.20	26.7	OK		
1.013		S5021	65 93.813	-0.517	0.000	0.05	28.0	OK	

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	65	94.095	-0.425	0.000	0.01	3.0	OK
5.001		S5025	65	93.756	-0.404	0.000	0.02	4.9	OK
5.000		S5026	65	94.308	-0.284	0.000	0.01	1.2	OK
5.001		S5027	65	93.798	-0.337	0.000	0.02	3.0	OK
5.002		S5028	66	93.572	-0.445	0.000	0.05	8.7	OK
1.014		S5029	66	93.515	-0.455	0.000	0.14	37.9	OK
1.015		S5030	66	93.478	-0.449	0.000	0.15	37.9	OK
1.016		S8121	66	93.443	-0.444	0.000	0.17	39.1	OK
1.017	S5036 - Headwall	66	93.431	-0.894	0.000	0.04		41.6	OK
7.000		S8135	65	96.216	-0.400	0.000	0.02	3.2	OK
7.001		S8136	65	96.159	-0.384	0.000	0.04	5.9	OK
7.002		S8137	65	96.102	-0.371	0.000	0.06	8.5	OK
7.003		S8161	65	96.044	-0.370	0.000	0.07	9.3	OK
8.000		S8151	65	96.192	-0.265	0.000	0.03	2.4	OK
7.004		S8162	65	95.966	-0.373	0.000	0.07	13.6	OK
7.005		S8152	65	95.757	-0.443	0.000	0.06	15.2	OK
9.000		S8144	65	96.265	-0.285	0.000	0.01	0.8	OK
9.001		S8145	65	96.018	-0.357	0.000	0.01	2.1	OK
7.006		S8146	65	95.642	-0.448	0.000	0.05	18.4	OK
0.000		S8165	65	95.551	-0.444	0.000	0.00	0.5	OK
0.001		S8164	65	95.433	-0.478	0.000	0.01	1.3	OK
7.007		S8147	65	95.428	-0.452	0.000	0.05	21.1	OK
7.008		S8150	65	95.113	-0.432	0.000	0.07	21.3	OK
7.009		S8149	65	94.964	-0.401	0.000	0.13	23.9	OK
1.000		S5037	65	95.170	-0.209	0.000	0.01	0.5	OK
1.001		S5038	65	94.962	-0.272	0.000	0.02	1.2	OK
1.002		S5039	65	94.889	-0.266	0.000	0.02	1.3	OK
2.000		S5040	65	95.191	-0.191	0.000	0.05	2.1	OK
7.010		S5041	65	94.857	-0.446	0.000	0.05	27.9	OK
7.011		S5042	65	94.404	-0.451	0.000	0.05	28.8	OK
7.012		S5047	66	93.605	-0.415	0.000	0.10	30.4	OK
7.013		S8167	66	93.448	-0.407	0.000	0.11	30.3	OK
7.014	S5048 - Headwall	66	93.424	-0.451	0.000	0.12		30.0	OK
1.018	S5049 - Headwall	68	93.388	-0.562	0.000	0.14		71.9	OK
1.019	S5050 Control Chamber	57	93.361	-0.089	0.000	0.11		10.4	OK

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Summary Wizard of 960 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	68 96.752	-0.363	0.000	0.01		1.3	OK
2.000		S8133	68 97.419	-0.291	0.000	0.01		1.0	OK
1.001		S8134	68 96.141	-0.409	0.000	0.02		3.5	OK
1.002		S8141	68 95.961	-0.484	0.000	0.02		5.0	OK
1.003		S8139	68 95.765	-0.490	0.000	0.01		5.4	OK
1.004		S8140	68 95.371	-0.474	0.000	0.02		7.4	OK
1.005		S4008	68 95.179	-0.447	0.000	0.05		8.8	OK
1.006		S4011	68 95.116	-0.473	0.000	0.02		9.1	OK
1.007		S4012	68 94.623	-0.462	0.000	0.03		11.0	OK
3.000		S8157	68 95.937	-0.368	0.000	0.00		1.0	OK
3.001		S8159	68 95.052	-0.428	0.000	0.01		2.2	OK
3.002		S8154	68 94.851	-0.489	0.000	0.01		4.2	OK
3.003		S8155	68 94.672	-0.493	0.000	0.01		5.6	OK
1.008		S5015	68 94.406	-0.439	0.000	0.06		18.2	OK
1.009		S5016	68 94.255	-0.450	0.000	0.05		18.2	OK
1.010	S5017 - PH4 Connection	68 94.072	-0.403	0.000	0.10			19.8	OK
4.000		S5018	68 95.110	-0.294	0.000	0.00		0.9	OK
1.011		S5019	68 94.020	-0.385	0.000	0.13		21.0	OK
1.012	S5020 PH5 Connection	68 93.981	-0.384	0.000	0.16			21.6	OK
1.013		S5021	68 93.805	-0.525	0.000	0.04		22.7	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	68	94.090	-0.430	0.000	0.01	2.5	OK
5.001		S5025	68	93.748	-0.412	0.000	0.02	4.0	OK
5.000		S5026	68	94.305	-0.287	0.000	0.01	1.0	OK
5.001		S5027	68	93.793	-0.342	0.000	0.02	2.4	OK
5.002		S5028	68	93.560	-0.456	0.000	0.04	7.1	OK
1.014		S5029	68	93.493	-0.477	0.000	0.12	30.7	OK
1.015		S5030	68	93.456	-0.471	0.000	0.12	30.8	OK
1.016		S8121	68	93.421	-0.466	0.000	0.14	31.8	OK
1.017	S5036 - Headwall	68	93.409	-0.916	0.000	0.03		33.6	OK
7.000		S8135	68	96.211	-0.404	0.000	0.02	2.6	OK
7.001		S8136	68	96.152	-0.391	0.000	0.03	4.8	OK
7.002		S8137	68	96.093	-0.381	0.000	0.05	6.9	OK
7.003		S8161	68	96.034	-0.380	0.000	0.05	7.5	OK
8.000		S8151	68	96.189	-0.268	0.000	0.03	1.9	OK
7.004		S8162	68	95.957	-0.382	0.000	0.06	11.0	OK
7.005		S8152	68	95.749	-0.451	0.000	0.05	12.3	OK
9.000		S8144	68	96.262	-0.288	0.000	0.01	0.7	OK
9.001		S8145	68	96.014	-0.361	0.000	0.01	1.7	OK
7.006		S8146	68	95.634	-0.456	0.000	0.04	14.9	OK
0.000		S8165	68	95.550	-0.445	0.000	0.00	0.4	OK
0.001		S8164	68	95.426	-0.486	0.000	0.01	1.0	OK
7.007		S8147	68	95.421	-0.459	0.000	0.04	17.0	OK
7.008		S8150	68	95.102	-0.443	0.000	0.06	17.2	OK
7.009		S8149	68	94.952	-0.413	0.000	0.10	19.3	OK
1.000		S5037	68	95.167	-0.212	0.000	0.01	0.4	OK
1.001		S5038	68	94.956	-0.277	0.000	0.02	1.0	OK
1.002		S5039	68	94.886	-0.270	0.000	0.02	1.1	OK
2.000		S5040	68	95.188	-0.195	0.000	0.04	1.7	OK
7.010		S5041	68	94.848	-0.455	0.000	0.04	22.6	OK
7.011		S5042	68	94.397	-0.458	0.000	0.04	23.3	OK
7.012		S5047	68	93.593	-0.427	0.000	0.08	24.6	OK
7.013		S8167	68	93.436	-0.420	0.000	0.09	24.6	OK
7.014	S5048 - Headwall	68	93.404	-0.471	0.000	0.10		24.4	OK
1.018	S5049 - Headwall	71	93.370	-0.580	0.000	0.12		58.0	OK
1.019	S5050 Control Chamber	55	93.364	-0.086	0.000	0.11		10.5	OK

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Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142 71	96.749	-0.366	0.000	0.01	1.0	OK	
2.000		S8133 71	97.417	-0.293	0.000	0.00	0.8	OK	
1.001		S8134 71	96.131	-0.419	0.000	0.01	2.6	OK	
1.002		S8141 71	95.950	-0.495	0.000	0.01	3.7	OK	
1.003		S8139 71	95.756	-0.499	0.000	0.01	4.0	OK	
1.004		S8140 71	95.358	-0.487	0.000	0.02	5.5	OK	
1.005		S4008 71	95.168	-0.458	0.000	0.04	6.5	OK	
1.006		S4011 71	95.103	-0.486	0.000	0.02	6.8	OK	
1.007		S4012 71	94.616	-0.469	0.000	0.03	8.1	OK	
3.000		S8157 71	95.935	-0.370	0.000	0.00	0.7	OK	
3.001		S8159 71	95.047	-0.433	0.000	0.01	1.6	OK	
3.002		S8154 71	94.842	-0.498	0.000	0.01	3.1	OK	
3.003		S8155 71	94.664	-0.501	0.000	0.01	4.2	OK	
1.008		S5015 71	94.393	-0.452	0.000	0.05	13.5	OK	
1.009		S5016 71	94.245	-0.460	0.000	0.04	13.5	OK	
1.010	S5017 - PH4 Connection	71	94.055	-0.420	0.000	0.07	14.7	OK	
4.000		S5018 71	95.109	-0.295	0.000	0.00	0.7	OK	
1.011		S5019 70	93.999	-0.406	0.000	0.10	15.6	OK	
1.012	S5020 PH5 Connection	70	93.961	-0.404	0.000	0.12	16.1	OK	
1.013		S5021 70	93.796	-0.534	0.000	0.03	16.9	OK	

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe	Status
								Flow (l/s)	
5.000	S5036 - Headwall	S5023	71	94.085	-0.435	0.000	0.01	1.8	OK
5.001		S5025	71	93.738	-0.422	0.000	0.01	2.9	OK
6.000		S5026	71	94.301	-0.291	0.000	0.01	0.7	OK
6.001		S5027	71	93.784	-0.351	0.000	0.01	1.8	OK
5.002		S5028	71	93.551	-0.465	0.000	0.03	5.2	OK
1.014		S5029	70	93.463	-0.507	0.000	0.09	22.8	OK
1.015		S5030	70	93.427	-0.501	0.000	0.09	23.0	OK
1.016		S8121	70	93.393	-0.494	0.000	0.10	23.8	OK
1.017		S8135	72	93.383	-0.942	0.000	0.03	25.0	OK
7.000		S8136	71	96.202	-0.413	0.000	0.01	1.9	OK
7.001		S8137	71	96.144	-0.399	0.000	0.03	3.5	OK
7.002		S8161	71	96.083	-0.391	0.000	0.04	5.1	OK
7.003		S8151	71	96.024	-0.390	0.000	0.04	5.6	OK
8.000		S8151	71	96.185	-0.272	0.000	0.02	1.4	OK
7.004		S8162	71	95.948	-0.392	0.000	0.04	8.2	OK
7.005		S8152	71	95.739	-0.461	0.000	0.04	9.1	OK
9.000		S8144	71	96.259	-0.291	0.000	0.01	0.5	OK
9.001		S8145	71	96.011	-0.364	0.000	0.01	1.2	OK
7.006		S8146	71	95.626	-0.464	0.000	0.03	11.1	OK
0.000		S8165	71	95.549	-0.446	0.000	0.00	0.3	OK
0.001		S8164	71	95.417	-0.494	0.000	0.00	0.8	OK
7.007		S8147	71	95.413	-0.467	0.000	0.03	12.6	OK
7.008		S8150	71	95.090	-0.455	0.000	0.04	12.8	OK
7.009		S8149	71	94.936	-0.429	0.000	0.08	14.3	OK
1.000		S5037	71	95.164	-0.216	0.000	0.01	0.3	OK
1.001	S5038	71	94.950	-0.283	0.000	0.01	0.7	OK	
1.002	S5039	71	94.878	-0.277	0.000	0.01	0.8	OK	
2.000	S5040	71	95.184	-0.199	0.000	0.03	1.3	OK	
7.010	S5041	71	94.839	-0.464	0.000	0.03	16.8	OK	
7.011	S5042	71	94.389	-0.466	0.000	0.03	17.3	OK	
7.012	S5047	70	93.577	-0.443	0.000	0.06	18.3	OK	
7.013	S8167	70	93.418	-0.437	0.000	0.07	18.3	OK	
7.014	S5048 - Headwall	72	93.379	-0.496	0.000	0.07	18.2	OK	
1.018	S5049 - Headwall	72	93.365	-0.585	0.000	0.09	42.9	OK	
1.019	S5050 Control Chamber	54	93.364	-0.086	0.000	0.11	10.5	OK	

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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	7	96.843	-0.272	0.000	0.16		30.8
2.000	S8133	7	97.489	-0.221	0.000	0.15		23.9
1.001	S8134	8	96.321	-0.229	0.000	0.47		86.0
1.002	S8141	8	96.155	-0.290	0.000	0.40		122.0
1.003	S8139	8	95.943	-0.312	0.000	0.34		130.9
1.004	S8140	7	95.672	-0.173	0.000	0.49		176.9
1.005	S4008	7	95.626	0.000	0.000	1.24		201.3
1.006	S4011	9	95.324	-0.265	0.000	0.46		202.2
1.007	S4012	9	95.221	0.136	0.000	0.64		203.9
3.000	S8157	8	96.007	-0.298	0.000	0.09		22.9
3.001	S8159	9	95.188	-0.292	0.000	0.27		56.0
3.002	S8154	9	95.154	-0.186	0.000	0.37		107.5
3.003	S8155	9	95.136	-0.029	0.000	0.28		121.6
1.008	S5015	9	95.121	0.276	0.000	1.03		291.4
1.009	S5016	10	94.972	0.267	0.000	0.79		291.9
1.010	S5017 - PH4 Connection	11	94.828	0.353	0.000	1.48		305.2
4.000	S5018	8	95.169	-0.235	0.000	0.11		21.5
1.011	S5019	11	94.665	0.260	0.000	2.02		320.5
1.012	S5020 PH5 Connection	13	94.486	0.121	0.000	2.44		325.4
1.013	S5021	13	94.307	-0.023	0.000	0.55		329.7

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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000	S5023	13	94.264	-0.256	0.000	0.22		57.7
5.001	S5025	13	94.259	0.099	0.000	0.36		80.8
6.000	S5026	11	94.386	-0.206	0.000	0.21		22.7
6.001	S5027	13	94.258	0.123	0.000	0.42		54.3
5.002	S5028	13	94.253	0.237	0.000	0.77		132.1
1.014	S5029	13	94.247	0.277	0.000	1.66		438.0
1.015	S5030	13	94.192	0.265	0.000	1.72		431.5
1.016	S8121	13	94.136	0.249	0.000	1.89		434.1
1.017	S5036 - Headwall	15	94.101	-0.224	0.000	0.42		405.1
7.000	S8135	8	96.586	-0.029	0.000	0.41		57.9
7.001	S8136	8	96.561	0.018	0.000	0.75		103.3
7.002	S8137	8	96.518	0.044	0.000	1.06		144.0
7.003	S8161	8	96.449	0.036	0.000	1.08		151.9
8.000	S8151	8	96.404	-0.053	0.000	0.62		45.6
7.004	S8162	8	96.358	0.019	0.000	1.10		218.0
7.005	S8152	8	96.072	-0.128	0.000	0.93		235.4
9.000	S8144	8	96.341	-0.209	0.000	0.20		16.1
9.001	S8145	8	96.116	-0.259	0.000	0.21		42.2
7.006	S8146	8	95.957	-0.133	0.000	0.80		282.4
10.000	S8165	9	95.835	-0.160	0.000	0.05		8.1
10.001	S8164	9	95.833	-0.079	0.000	0.13		22.9
7.007	S8147	9	95.830	-0.050	0.000	0.68		303.7
7.008	S8150	9	95.673	0.128	0.000	1.05		306.5
7.009	S8149	9	95.476	0.111	0.000	1.74		326.4
11.000	S5037	9	95.237	-0.143	0.000	0.28		10.4
11.001	S5038	10	95.156	-0.078	0.000	0.37		22.9
11.002	S5039	10	95.138	-0.017	0.000	0.32		19.6
12.000	S5040	9	95.423	0.040	0.000	1.00		38.6
7.010	S5041	10	95.121	-0.182	0.000	0.75		384.4
7.011	S5042	12	94.861	0.006	0.000	0.66		387.8
7.012	S5047	12	94.537	0.517	0.000	1.26		391.4
7.013	S8167	13	94.341	0.485	0.000	1.40		388.4
7.014	S5048 - Headwall	13	94.163	0.288	0.000	1.46		371.3
1.018	S5049 - Headwall	17	94.075	0.125	0.000	1.43		720.8
1.019	S5050 Control Chamber	58	93.360	-0.090	0.000	0.11		10.4

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	SURCHARGED
8.000	S8151	OK
7.004	S8162	SURCHARGED
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	SURCHARGED
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK

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Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

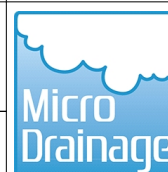
Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	9	96.836	-0.279	0.000	0.15	27.9
2.000	S8133	9	97.485	-0.225	0.000	0.14	21.7
1.001	S8134	9	96.304	-0.246	0.000	0.42	76.7
1.002	S8141	9	96.138	-0.307	0.000	0.36	109.2
1.003	S8139	9	95.927	-0.328	0.000	0.30	114.6
1.004	S8140	9	95.662	-0.183	0.000	0.40	144.1
1.005	S4008	8	95.626	0.000	0.000	1.02	166.0
1.006	S4011	10	95.295	-0.294	0.000	0.39	171.7
1.007	S4012	11	95.146	0.061	0.000	0.60	188.6
3.000	S8157	9	96.002	-0.303	0.000	0.08	20.7
3.001	S8159	10	95.177	-0.303	0.000	0.23	48.4
3.002	S8154	11	95.097	-0.243	0.000	0.32	92.3
3.003	S8155	11	95.079	-0.086	0.000	0.27	115.4
1.008	S5015	11	95.062	0.217	0.000	0.98	278.5
1.009	S5016	11	94.927	0.222	0.000	0.76	278.9
1.010	S5017 - PH4 Connection	12	94.795	0.320	0.000	1.43	295.0
4.000	S5018	9	95.166	-0.238	0.000	0.09	19.3
1.011	S5019	12	94.644	0.239	0.000	1.96	310.8
1.012	S5020 PH5 Connection	12	94.495	0.130	0.000	2.38	317.8
1.013	S5021	12	94.350	0.020	0.000	0.53	320.2

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (l/s)			
5.000	S5036 - Headwall	S5023	12	94.313	-0.207	0.000	0.20		52.6
5.001		S5025	12	94.305	0.145	0.000	0.31		67.8
6.000		S5026	12	94.381	-0.211	0.000	0.19		20.7
6.001		S5027	12	94.305	0.170	0.000	0.35		46.2
5.002		S5028	12	94.297	0.280	0.000	0.70		118.7
1.014		S5029	12	94.286	0.316	0.000	1.63		429.7
1.015		S5030	12	94.222	0.295	0.000	1.69		422.0
1.016		S8121	12	94.158	0.271	0.000	1.87		429.1
1.017		S8118	13	94.118	-0.207	0.000	0.43		414.9
7.000		S8135	9	96.511	-0.104	0.000	0.38		53.2
7.001		S8136	9	96.490	-0.053	0.000	0.68		94.3
7.002		S8137	9	96.453	-0.021	0.000	0.96		130.2
7.003		S8161	9	96.389	-0.025	0.000	0.98		137.7
8.000		S8151	9	96.340	-0.117	0.000	0.56		41.2
7.004		S8162	9	96.301	-0.038	0.000	1.00		197.4
7.005		S8152	9	96.057	-0.143	0.000	0.87		221.2
9.000		S8144	9	96.335	-0.215	0.000	0.18		14.6
9.001		S8145	9	96.107	-0.268	0.000	0.18		36.4
7.006		S8146	10	95.918	-0.172	0.000	0.78		273.4
10.000		S8165	10	95.803	-0.192	0.000	0.05		7.8
10.001		S8164	10	95.800	-0.111	0.000	0.13		22.9
7.007	S8147	10	95.798	-0.082	0.000	0.66		293.7	
7.008	S8150	10	95.651	0.106	0.000	1.01		294.9	
7.009	S8149	10	95.465	0.100	0.000	1.70		318.8	
11.000	S5048 - Headwall	S5037	10	95.232	-0.148	0.000	0.26		9.4
11.001		S5038	11	95.148	-0.086	0.000	0.32		19.9
11.002		S5039	11	95.130	-0.026	0.000	0.30		18.5
12.000		S5040	10	95.361	-0.022	0.000	0.91		35.0
7.010		S5041	11	95.112	-0.191	0.000	0.73		374.7
7.011		S5042	10	94.879	0.024	0.000	0.64		375.9
7.012		S5047	11	94.587	0.567	0.000	1.23		381.3
7.013		S8167	11	94.385	0.529	0.000	1.37		380.1
7.014		S5048 - Headwall	11	94.184	0.309	0.000	1.44		365.6
1.018		S5049 - Headwall	15	94.090	0.140	0.000	1.48		742.9
1.019	S5050 Control Chamber	46	93.418	-0.032	0.000	0.12		11.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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	US/MH	
PN	Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK
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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000		S8142	12	96.822	-0.293	0.000	0.11	19.7
2.000		S8133	12	97.474	-0.236	0.000	0.10	15.4
1.001		S8134	12	96.271	-0.279	0.000	0.30	54.1
1.002		S8141	12	96.103	-0.342	0.000	0.25	76.3
1.003		S8139	12	95.898	-0.357	0.000	0.22	83.0
1.004		S8140	12	95.526	-0.319	0.000	0.32	113.9
1.005		S4008	12	95.473	-0.153	0.000	0.83	135.6
1.006		S4011	12	95.268	-0.321	0.000	0.32	140.0
1.007		S4012	14	94.925	-0.160	0.000	0.49	156.6
3.000		S8157	12	95.989	-0.316	0.000	0.06	14.7
3.001		S8159	12	95.153	-0.327	0.000	0.16	34.6
3.002		S8154	13	94.988	-0.352	0.000	0.23	65.7
3.003		S8155	14	94.883	-0.282	0.000	0.20	86.3
1.008		S5015	14	94.866	0.021	0.000	0.85	242.0
1.009		S5016	14	94.763	0.058	0.000	0.66	242.1
1.010	S5017 - PH4 Connection	14	94.680	0.205	0.000	1.26		259.1
4.000		S5018	12	95.155	-0.249	0.000	0.07	13.8
1.011		S5019	14	94.566	0.161	0.000	1.72	273.5
1.012	S5020 PH5 Connection	14	94.438	0.073	0.000	2.10		280.0
1.013		S5021	14	94.267	-0.063	0.000	0.47	284.6

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	14 94.248	-0.272	0.000	0.14		37.0
5.001		S5025	14 94.237	0.077	0.000	0.23		50.5
6.000		S5026	14 94.366	-0.226	0.000	0.14		14.6
6.001		S5027	14 94.237	0.102	0.000	0.25		33.4
5.002		S5028	14 94.227	0.211	0.000	0.52		89.6
1.014		S5029	14 94.214	0.244	0.000	1.40		369.0
1.015		S5030	14 94.157	0.230	0.000	1.48		371.4
1.016		S8121	16 94.101	0.213	0.000	1.65		380.3
1.017	S5036 - Headwall	18	94.066	-0.259	0.000	0.39		378.4
7.000		S8135	12 96.410	-0.205	0.000	0.28		38.6
7.001		S8136	12 96.387	-0.156	0.000	0.52		71.7
7.002		S8137	12 96.343	-0.131	0.000	0.75		102.2
7.003		S8161	12 96.283	-0.131	0.000	0.79		110.4
8.000		S8151	12 96.291	-0.166	0.000	0.40		29.3
7.004		S8162	12 96.201	-0.138	0.000	0.81		160.0
7.005		S8152	12 96.002	-0.198	0.000	0.69		176.3
9.000		S8144	12 96.322	-0.228	0.000	0.13		10.3
9.001		S8145	12 96.090	-0.285	0.000	0.13		26.1
7.006		S8146	12 95.865	-0.225	0.000	0.61		214.0
10.000		S8165	12 95.645	-0.350	0.000	0.04		6.0
10.001		S8164	12 95.638	-0.273	0.000	0.08		14.4
7.007		S8147	12 95.635	-0.245	0.000	0.55		242.9
7.008		S8150	12 95.543	-0.002	0.000	0.84		244.1
7.009		S8149	13 95.412	0.046	0.000	1.44		270.3
11.000		S5037	12 95.220	-0.160	0.000	0.18		6.6
11.001		S5038	13 95.105	-0.128	0.000	0.24		14.7
11.002		S5039	13 95.091	-0.065	0.000	0.22		13.7
12.000		S5040	12 95.296	-0.087	0.000	0.67		25.8
7.010		S5041	13 95.076	-0.227	0.000	0.61		314.3
7.011		S5042	14 94.609	-0.246	0.000	0.55		322.5
7.012		S5047	14 94.401	0.381	0.000	1.06		328.4
7.013		S8167	14 94.255	0.400	0.000	1.18		326.9
7.014	S5048 - Headwall	16	94.107	0.232	0.000	1.24		315.7
1.018	S5049 - Headwall	19	94.035	0.085	0.000	1.31		658.6
1.019	S5050 Control Chamber	44	93.474	0.024	0.000	0.12		11.6
PN	US/MH Name	Status						
5.000		S5023 OK						
5.001		S5025 SURCHARGED						
6.000		S5026 OK						
6.001		S5027 SURCHARGED						
5.002		S5028 SURCHARGED						
1.014		S5029 SURCHARGED						
1.015		S5030 SURCHARGED						

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	19	96.804	-0.311	0.000	0.07	12.9
2.000	S8133	19	97.460	-0.250	0.000	0.07	10.0
1.001	S8134	18	96.233	-0.317	0.000	0.19	35.1
1.002	S8141	18	96.061	-0.384	0.000	0.16	49.6
1.003	S8139	18	95.859	-0.396	0.000	0.14	52.9
1.004	S8140	18	95.481	-0.364	0.000	0.20	73.1
1.005	S4008	18	95.376	-0.250	0.000	0.53	86.9
1.006	S4011	18	95.226	-0.363	0.000	0.21	89.6
1.007	S4012	18	94.772	-0.313	0.000	0.34	107.4
3.000	S8157	19	95.977	-0.328	0.000	0.04	9.6
3.001	S8159	18	95.127	-0.353	0.000	0.10	21.9
3.002	S8154	18	94.948	-0.392	0.000	0.15	41.9
3.003	S8155	18	94.765	-0.400	0.000	0.13	55.8
1.008	S5015	18	94.626	-0.219	0.000	0.63	177.9
1.009	S5016	18	94.533	-0.172	0.000	0.48	176.9
1.010	S5017 - PH4 Connection	18	94.485	0.010	0.000	0.92	190.4
4.000	S5018	19	95.144	-0.260	0.000	0.04	8.9
1.011	S5019	18	94.422	0.017	0.000	1.27	201.1
1.012	S5020 PH5 Connection	18	94.367	0.002	0.000	1.54	205.1
1.013	S5021	24	94.026	-0.304	0.000	0.35	213.3

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	25	96.796	-0.319	0.000	0.05		10.1
2.000	S8133	25	97.454	-0.256	0.000	0.05		7.9
1.001	S8134	24	96.216	-0.334	0.000	0.15		27.5
1.002	S8141	24	96.044	-0.401	0.000	0.13		38.8
1.003	S8139	24	95.845	-0.410	0.000	0.11		41.2
1.004	S8140	23	95.460	-0.385	0.000	0.16		56.7
1.005	S4008	24	95.338	-0.288	0.000	0.41		67.0
1.006	S4011	24	95.205	-0.384	0.000	0.16		69.2
1.007	S4012	24	94.744	-0.341	0.000	0.26		83.1
3.000	S8157	25	95.973	-0.332	0.000	0.03		7.5
3.001	S8159	24	95.116	-0.364	0.000	0.08		17.1
3.002	S8154	24	94.933	-0.407	0.000	0.11		32.8
3.003	S8155	24	94.751	-0.414	0.000	0.10		43.5
1.008	S5015	23	94.582	-0.263	0.000	0.49		137.7
1.009	S5016	22	94.488	-0.217	0.000	0.38		138.6
1.010	S5017 - PH4 Connection	22	94.450	-0.025	0.000	0.73		150.2
4.000	S5018	25	95.140	-0.264	0.000	0.03		7.0
1.011	S5019	22	94.405	0.000	0.000	1.00		159.1
1.012	S5020 PH5 Connection	23	94.365	0.000	0.000	1.22		163.2
1.013	S5021	33	93.954	-0.376	0.000	0.28		169.2

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Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	29 96.790	-0.325	0.000	0.04		8.2	OK
2.000		S8133	29 97.449	-0.261	0.000	0.04		6.3	OK
1.001		S8134	29 96.204	-0.346	0.000	0.12		22.2	OK
1.002		S8141	28 96.032	-0.413	0.000	0.10		31.4	OK
1.003		S8139	28 95.834	-0.421	0.000	0.09		33.6	OK
1.004		S8140	28 95.445	-0.400	0.000	0.13		46.3	OK
1.005		S4008	28 95.312	-0.314	0.000	0.34		55.1	OK
1.006		S4011	28 95.190	-0.399	0.000	0.13		56.9	OK
1.007		S4012	28 94.725	-0.360	0.000	0.22		68.4	OK
3.000		S8157	29 95.969	-0.336	0.000	0.02		6.0	OK
3.001		S8159	28 95.105	-0.375	0.000	0.07		13.8	OK
3.002		S8154	28 94.922	-0.418	0.000	0.09		26.5	OK
3.003		S8155	28 94.739	-0.426	0.000	0.08		35.3	OK
1.008		S5015	28 94.551	-0.294	0.000	0.40		113.5	OK
1.009		S5016	29 94.395	-0.310	0.000	0.31		112.8	OK
1.010	S5017 - PH4 Connection	29 94.339	-0.136	0.000	0.59			121.1	OK
4.000		S5018	29 95.137	-0.267	0.000	0.03		5.6	OK
1.011		S5019	29 94.302	-0.103	0.000	0.81		128.4	OK
1.012	S5020 PH5 Connection	29 94.265	-0.100	0.000	1.00			133.0	OK
1.013		S5021	35 93.926	-0.404	0.000	0.23		139.4	OK

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Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 360 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

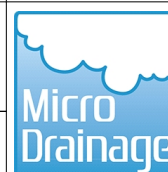
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	37 96.783	-0.332	0.000	0.03	6.0	OK	
2.000		S8133	37 97.444	-0.266	0.000	0.03	4.6	OK	
1.001		S8134	37 96.190	-0.360	0.000	0.09	16.2	OK	
1.002		S8141	37 96.015	-0.430	0.000	0.08	23.0	OK	
1.003		S8139	37 95.816	-0.439	0.000	0.06	24.6	OK	
1.004		S8140	37 95.428	-0.417	0.000	0.09	33.9	OK	
1.005		S4008	37 95.278	-0.348	0.000	0.25	40.3	OK	
1.006		S4011	37 95.173	-0.416	0.000	0.10	41.7	OK	
1.007		S4012	37 94.699	-0.386	0.000	0.16	50.2	OK	
3.000		S8157	37 95.961	-0.344	0.000	0.02	4.4	OK	
3.001		S8159	37 95.093	-0.387	0.000	0.05	10.1	OK	
3.002		S8154	37 94.903	-0.437	0.000	0.07	19.3	OK	
3.003		S8155	37 94.722	-0.443	0.000	0.06	25.7	OK	
1.008		S5015	37 94.514	-0.331	0.000	0.29	83.4	OK	
1.009		S5016	37 94.349	-0.356	0.000	0.23	83.4	OK	
1.010	S5017 - PH4 Connection	37 94.257	-0.218	0.000	0.44	90.5	OK		
4.000		S5018	37 95.133	-0.271	0.000	0.02	4.1	OK	
1.011		S5019	37 94.217	-0.188	0.000	0.60	95.8	OK	
1.012	S5020 PH5 Connection	37 94.179	-0.186	0.000	0.74	98.4	OK		
1.013		S5021	43 93.897	-0.433	0.000	0.17	103.5	OK	

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (l/s)			
5.000		S5023	38	94.130	-0.390	0.000	0.04		11.2
5.001		S5025	43	93.801	-0.359	0.000	0.08		18.1
6.000		S5026	37	94.331	-0.261	0.000	0.04		4.4
6.001		S5027	43	93.833	-0.302	0.000	0.08		11.1
5.002		S5028	43	93.753	-0.263	0.000	0.19		31.7
1.014		S5029	43	93.743	-0.227	0.000	0.52		138.2
1.015		S5030	43	93.697	-0.230	0.000	0.55		138.7
1.016		S8121	49	93.649	-0.238	0.000	0.62		143.7
1.017	S5036 - Headwall	49	93.632	-0.693	0.000	0.16			152.5
7.000		S8135	37	96.272	-0.344	0.000	0.08		11.7
7.001		S8136	37	96.231	-0.311	0.000	0.16		21.9
7.002		S8137	37	96.180	-0.293	0.000	0.23		31.4
7.003		S8161	37	96.121	-0.292	0.000	0.24		34.3
8.000		S8151	37	96.226	-0.231	0.000	0.12		8.8
7.004		S8162	37	96.043	-0.296	0.000	0.26		50.3
7.005		S8152	37	95.841	-0.359	0.000	0.22		56.1
9.000		S8144	37	96.288	-0.262	0.000	0.04		3.1
9.001		S8145	37	96.046	-0.329	0.000	0.04		7.6
7.006		S8146	37	95.721	-0.369	0.000	0.19		68.2
10.000		S8165	37	95.570	-0.425	0.000	0.01		1.9
10.001		S8164	37	95.504	-0.407	0.000	0.03		4.7
7.007		S8147	37	95.502	-0.378	0.000	0.18		77.9
7.008		S8150	37	95.205	-0.340	0.000	0.27		78.7
7.009		S8149	37	95.094	-0.272	0.000	0.47		87.9
11.000		S5037	37	95.188	-0.191	0.000	0.05		2.0
11.001		S5038	37	94.992	-0.241	0.000	0.07		4.5
11.002		S5039	37	94.947	-0.209	0.000	0.08		4.8
12.000		S5040	37	95.226	-0.157	0.000	0.20		7.8
7.010		S5041	37	94.937	-0.366	0.000	0.20		103.0
7.011		S5042	37	94.480	-0.375	0.000	0.18		105.9
7.012		S5047	43	93.713	-0.307	0.000	0.36		111.9
7.013		S8167	49	93.652	-0.204	0.000	0.40		111.5
7.014	S5048 - Headwall	49	93.635	-0.240	0.000	0.44			110.8
1.018	S5049 - Headwall	53	93.599	-0.351	0.000	0.52			262.8
1.019	S5050 Control Chamber	36	93.597	0.147	0.000	0.13			12.2

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 360 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 41	96.780	-0.335	0.000	0.03		4.8	OK
2.000		S8133 41	97.441	-0.269	0.000	0.02		3.7	OK
1.001		S8134 41	96.178	-0.372	0.000	0.07		13.0	OK
1.002		S8141 41	96.003	-0.442	0.000	0.06		18.3	OK
1.003		S8139 41	95.806	-0.449	0.000	0.05		19.6	OK
1.004		S8140 41	95.415	-0.430	0.000	0.08		27.1	OK
1.005		S4008 41	95.259	-0.367	0.000	0.20		32.2	OK
1.006		S4011 41	95.160	-0.429	0.000	0.08		33.3	OK
1.007		S4012 41	94.683	-0.402	0.000	0.13		40.1	OK
3.000		S8157 41	95.955	-0.350	0.000	0.01		3.5	OK
3.001		S8159 41	95.086	-0.394	0.000	0.04		8.1	OK
3.002		S8154 41	94.893	-0.447	0.000	0.05		15.4	OK
3.003		S8155 41	94.713	-0.452	0.000	0.05		20.6	OK
1.008		S5015 41	94.492	-0.353	0.000	0.24		66.6	OK
1.009		S5016 41	94.330	-0.375	0.000	0.18		66.7	OK
1.010	S5017 - PH4 Connection	41 94.212	-0.263	0.000	0.35			72.4	OK
4.000		S5018 41	95.127	-0.277	0.000	0.02		3.3	OK
1.011		S5019 41	94.170	-0.235	0.000	0.48		76.9	OK
1.012	S5020 PH5 Connection	42 94.132	-0.233	0.000	0.59			79.2	OK
1.013		S5021 45	93.878	-0.452	0.000	0.14		83.3	OK

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Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	46 96.778	-0.337	0.000	0.02	4.0	OK	
2.000		S8133	46 97.439	-0.271	0.000	0.02	3.1	OK	
1.001		S8134	46 96.171	-0.379	0.000	0.06	10.9	OK	
1.002		S8141	46 95.995	-0.450	0.000	0.05	15.4	OK	
1.003		S8139	46 95.799	-0.456	0.000	0.04	16.5	OK	
1.004		S8140	46 95.405	-0.440	0.000	0.06	22.7	OK	
1.005		S4008	46 95.244	-0.382	0.000	0.17	27.0	OK	
1.006		S4011	46 95.150	-0.439	0.000	0.06	28.0	OK	
1.007		S4012	46 94.674	-0.411	0.000	0.11	33.6	OK	
3.000		S8157	46 95.951	-0.354	0.000	0.01	3.0	OK	
3.001		S8159	46 95.082	-0.398	0.000	0.03	6.8	OK	
3.002		S8154	46 94.886	-0.454	0.000	0.05	13.0	OK	
3.003		S8155	46 94.707	-0.458	0.000	0.04	17.3	OK	
1.008		S5015	46 94.478	-0.367	0.000	0.20	55.9	OK	
1.009		S5016	46 94.316	-0.389	0.000	0.15	55.9	OK	
1.010	S5017 - PH4 Connection	46 94.184	-0.291	0.000	0.29	60.9	OK		
4.000		S5018	46 95.123	-0.281	0.000	0.01	2.8	OK	
1.011		S5019	46 94.141	-0.264	0.000	0.41	64.7	OK	
1.012	S5020 PH5 Connection	48 94.103	-0.262	0.000	0.50	66.7	OK		
1.013		S5021	49 93.866	-0.464	0.000	0.12	70.3	OK	

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000		S5023	47 94.120	-0.400	0.000	0.03		7.5
5.001		S5025	49 93.778	-0.382	0.000	0.05		12.2
6.000		S5026	46 94.325	-0.267	0.000	0.03		3.0
6.001		S5027	49 93.817	-0.318	0.000	0.06		7.4
5.002		S5028	51 93.672	-0.345	0.000	0.13		21.6
1.014		S5029	53 93.655	-0.315	0.000	0.36		94.8
1.015		S5030	54 93.617	-0.310	0.000	0.38		95.3
1.016		S8121	51 93.616	-0.271	0.000	0.43		98.9
1.017	S5036 - Headwall	51 93.616	-0.709	0.000	0.11		103.4	
7.000		S8135	46 96.249	-0.366	0.000	0.06		7.9
7.001		S8136	46 96.203	-0.340	0.000	0.11		14.7
7.002		S8137	46 96.151	-0.323	0.000	0.16		21.0
7.003		S8161	46 96.092	-0.322	0.000	0.16		23.0
8.000		S8151	46 96.213	-0.244	0.000	0.08		5.9
7.004		S8162	46 96.014	-0.326	0.000	0.17		33.8
7.005		S8152	46 95.809	-0.391	0.000	0.15		37.6
9.000		S8144	46 96.282	-0.268	0.000	0.03		2.1
9.001		S8145	46 96.040	-0.335	0.000	0.02		5.1
7.006		S8146	46 95.690	-0.400	0.000	0.13		45.8
10.000		S8165	46 95.561	-0.434	0.000	0.01		1.2
10.001		S8164	46 95.476	-0.435	0.000	0.02		3.1
7.007		S8147	46 95.474	-0.406	0.000	0.12		52.3
7.008		S8150	46 95.170	-0.375	0.000	0.18		52.9
7.009		S8149	46 95.042	-0.323	0.000	0.32		59.3
11.000		S5037	46 95.182	-0.197	0.000	0.04		1.4
11.001		S5038	46 94.977	-0.256	0.000	0.05		3.1
11.002		S5039	46 94.921	-0.235	0.000	0.05		3.3
12.000		S5040	46 95.212	-0.170	0.000	0.14		5.2
7.010		S5041	46 94.906	-0.397	0.000	0.14		69.4
7.011		S5042	46 94.451	-0.404	0.000	0.12		71.6
7.012		S5047	53 93.670	-0.350	0.000	0.24		75.8
7.013		S8167	51 93.618	-0.238	0.000	0.27		75.7
7.014	S5048 - Headwall	51 93.617	-0.258	0.000	0.30		75.4	
1.018	S5049 - Headwall	48 93.616	-0.334	0.000	0.35		177.3	
1.019	S5050 Control Chamber	31 93.615	0.165	0.000	0.13		12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	51 96.773	-0.342	0.000	0.02	3.5	OK	
2.000		S8133	51 97.435	-0.275	0.000	0.02	2.7	OK	
1.001		S8134	51 96.165	-0.385	0.000	0.05	9.4	OK	
1.002		S8141	51 95.990	-0.455	0.000	0.04	13.3	OK	
1.003		S8139	51 95.795	-0.460	0.000	0.04	14.3	OK	
1.004		S8140	51 95.399	-0.446	0.000	0.05	19.7	OK	
1.005		S4008	51 95.233	-0.393	0.000	0.14	23.4	OK	
1.006		S4011	51 95.143	-0.446	0.000	0.06	24.2	OK	
1.007		S4012	51 94.667	-0.418	0.000	0.09	29.2	OK	
3.000		S8157	51 95.948	-0.357	0.000	0.01	2.6	OK	
3.001		S8159	51 95.079	-0.401	0.000	0.03	5.9	OK	
3.002		S8154	51 94.881	-0.459	0.000	0.04	11.2	OK	
3.003		S8155	51 94.703	-0.462	0.000	0.03	15.0	OK	
1.008		S5015	51 94.465	-0.380	0.000	0.17	48.5	OK	
1.009		S5016	51 94.306	-0.399	0.000	0.13	48.5	OK	
1.010	S5017 - PH4 Connection	51	94.164	-0.311	0.000	0.26	52.7	OK	
4.000		S5018	51 95.121	-0.283	0.000	0.01	2.4	OK	
1.011		S5019	52 94.119	-0.286	0.000	0.35	56.1	OK	
1.012	S5020 PH5 Connection	52	94.081	-0.284	0.000	0.43	57.9	OK	
1.013		S5021	52 93.857	-0.473	0.000	0.10	60.9	OK	

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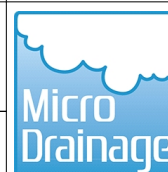
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Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000	S5036 - Headwall	S5023	55	94.113	-0.407	0.000	0.02	5.2
5.001		S5025	55	93.766	-0.394	0.000	0.04	8.4
6.000		S5026	54	94.319	-0.273	0.000	0.02	2.1
6.001		S5027	55	93.808	-0.327	0.000	0.04	5.1
5.002		S5028	58	93.619	-0.397	0.000	0.09	15.0
1.014		S5029	57	93.617	-0.353	0.000	0.25	65.7
1.015		S5030	55	93.616	-0.311	0.000	0.26	66.3
1.016		S8121	52	93.615	-0.273	0.000	0.30	68.8
1.017		S8135	52	93.614	-0.711	0.000	0.07	72.6
7.000		S8136	54	96.232	-0.383	0.000	0.04	5.4
7.001		S8137	54	96.184	-0.359	0.000	0.07	10.1
7.002		S8161	54	96.128	-0.346	0.000	0.11	14.5
7.003		S8151	54	96.069	-0.345	0.000	0.11	15.9
8.000		S8152	54	96.202	-0.255	0.000	0.06	4.1
7.004		S8162	54	95.992	-0.348	0.000	0.12	23.3
7.005		S8144	54	95.787	-0.413	0.000	0.10	26.0
9.000		S8145	54	96.275	-0.275	0.000	0.02	1.4
9.001		S8146	54	96.030	-0.345	0.000	0.02	3.5
7.006		S8165	54	95.671	-0.419	0.000	0.09	31.6
10.000		S8164	54	95.556	-0.439	0.000	0.01	0.9
10.001		S8147	54	95.457	-0.454	0.000	0.01	2.2
7.007		S8150	54	95.454	-0.426	0.000	0.08	36.1
7.008		S8149	54	95.143	-0.402	0.000	0.13	36.6
7.009		S5037	54	95.006	-0.359	0.000	0.22	41.0
11.000		S5038	54	95.178	-0.201	0.000	0.03	0.9
11.001	S5039	54	94.969	-0.264	0.000	0.03	2.1	
11.002	S5040	54	94.905	-0.251	0.000	0.04	2.3	
12.000	S5041	54	95.204	-0.179	0.000	0.09	3.6	
7.010	S5042	54	94.885	-0.418	0.000	0.09	48.0	
7.011	S5047	54	94.432	-0.423	0.000	0.08	49.5	
7.012	S8167	58	93.639	-0.381	0.000	0.17	52.5	
7.013	S5048 - Headwall	52	93.616	-0.240	0.000	0.19	52.4	
7.014	S5049 - Headwall	52	93.615	-0.260	0.000	0.21	52.4	
1.018	S5050 Control Chamber	49	93.614	-0.336	0.000	0.25	123.6	
1.019		32	93.613	0.163	0.000	0.13	12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 61	96.759	-0.356	0.000	0.01		2.0	OK
2.000		S8133 61	97.424	-0.286	0.000	0.01		1.6	OK
1.001		S8134 61	96.151	-0.399	0.000	0.03		5.5	OK
1.002		S8141 61	95.976	-0.469	0.000	0.03		7.7	OK
1.003		S8139 61	95.783	-0.472	0.000	0.02		8.3	OK
1.004		S8140 61	95.381	-0.464	0.000	0.03		11.4	OK
1.005		S4008 61	95.202	-0.424	0.000	0.08		13.6	OK
1.006		S4011 61	95.125	-0.464	0.000	0.03		14.0	OK
1.007		S4012 61	94.638	-0.447	0.000	0.05		16.9	OK
3.000		S8157 61	95.940	-0.365	0.000	0.01		1.5	OK
3.001		S8159 61	95.064	-0.416	0.000	0.02		3.4	OK
3.002		S8154 61	94.869	-0.471	0.000	0.02		6.5	OK
3.003		S8155 61	94.690	-0.475	0.000	0.02		8.7	OK
1.008		S5015 61	94.430	-0.415	0.000	0.10		28.1	OK
1.009		S5016 61	94.275	-0.430	0.000	0.08		28.1	OK
1.010	S5017 - PH4 Connection	61	94.106	-0.369	0.000	0.15		30.5	OK
4.000		S5018 61	95.114	-0.290	0.000	0.01		1.4	OK
1.011		S5019 61	94.056	-0.349	0.000	0.20		32.4	OK
1.012	S5020 PH5 Connection	61	94.018	-0.347	0.000	0.25		33.5	OK
1.013		S5021 61	93.823	-0.507	0.000	0.06		35.3	OK

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Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 15 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	18 94.164	-0.356	0.000	0.10		24.6	OK
5.001		S5025	36 93.835	-0.325	0.000	0.17		38.0	OK
6.000		S5026	18 94.353	-0.239	0.000	0.09		9.7	OK
6.001		S5027	34 93.865	-0.270	0.000	0.17		22.4	OK
5.002		S5028	36 93.810	-0.207	0.000	0.36		61.0	OK
1.014		S5029	36 93.804	-0.166	0.000	0.71		187.3	OK
1.015		S5030	36 93.755	-0.172	0.000	0.73		182.9	OK
1.016		S8121	36 93.703	-0.184	0.000	0.80		183.1	OK
1.017	S5036 - Headwall	36 93.687	-0.638	0.000	0.19			181.5	OK
7.000		S8135	19 96.330	-0.285	0.000	0.18		25.5	OK
7.001		S8136	19 96.295	-0.248	0.000	0.31		42.6	OK
7.002		S8137	20 96.245	-0.229	0.000	0.43		58.6	OK
7.003		S8161	20 96.185	-0.229	0.000	0.45		62.6	OK
8.000		S8151	18 96.263	-0.194	0.000	0.27		19.5	OK
7.004		S8162	21 96.103	-0.237	0.000	0.45		89.2	OK
7.005		S8152	21 95.902	-0.298	0.000	0.39		98.7	OK
9.000		S8144	18 96.309	-0.241	0.000	0.08		6.8	OK
9.001		S8145	19 96.068	-0.307	0.000	0.07		15.4	OK
7.006		S8146	21 95.776	-0.314	0.000	0.34		118.6	OK
10.000		S8165	20 95.596	-0.399	0.000	0.02		4.1	OK
10.001		S8164	21 95.554	-0.357	0.000	0.05		8.3	OK
7.007		S8147	21 95.553	-0.327	0.000	0.30		134.5	OK
7.008		S8150	22 95.286	-0.259	0.000	0.46		135.1	OK
7.009		S8149	22 95.194	-0.171	0.000	0.78		146.8	OK
11.000		S5037	18 95.207	-0.173	0.000	0.12		4.5	OK
11.001		S5038	23 95.018	-0.215	0.000	0.15		9.2	OK
11.002		S5039	23 94.991	-0.164	0.000	0.14		8.5	OK
12.000		S5040	18 95.264	-0.118	0.000	0.44		16.9	OK
7.010		S5041	23 94.984	-0.319	0.000	0.33		167.8	OK
7.011		S5042	23 94.524	-0.331	0.000	0.29		172.0	OK
7.012		S5047	34 93.782	-0.238	0.000	0.58		180.0	OK
7.013		S8167	35 93.726	-0.130	0.000	0.64		177.0	OK
7.014	S5048 - Headwall	36 93.702	-0.173	0.000	0.67			171.1	OK
1.018	S5049 - Headwall	42 93.643	-0.307	0.000	0.65			328.1	OK
1.019	S5050 Control Chamber	71 93.248	-0.202	0.000	0.05			5.1	OK

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Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	24 96.797	-0.318	0.000	0.06		10.3	OK
2.000		S8133	24 97.454	-0.256	0.000	0.05		8.0	OK
1.001		S8134	26 96.216	-0.334	0.000	0.15		27.3	OK
1.002		S8141	26 96.043	-0.402	0.000	0.12		38.1	OK
1.003		S8139	26 95.843	-0.412	0.000	0.10		40.4	OK
1.004		S8140	26 95.457	-0.388	0.000	0.15		54.8	OK
1.005		S4008	26 95.331	-0.295	0.000	0.40		64.8	OK
1.006		S4011	26 95.201	-0.388	0.000	0.15		66.7	OK
1.007		S4012	26 94.738	-0.347	0.000	0.25		78.7	OK
3.000		S8157	24 95.973	-0.332	0.000	0.03		7.6	OK
3.001		S8159	26 95.114	-0.366	0.000	0.08		16.8	OK
3.002		S8154	26 94.931	-0.409	0.000	0.11		31.4	OK
3.003		S8155	26 94.749	-0.416	0.000	0.10		41.7	OK
1.008		S5015	26 94.570	-0.275	0.000	0.46		129.6	OK
1.009		S5016	26 94.430	-0.275	0.000	0.34		126.5	OK
1.010	S5017 - PH4 Connection	26 94.399	-0.076	0.000	0.64			132.1	OK
4.000		S5018	24 95.140	-0.264	0.000	0.03		7.1	OK
1.011		S5019	26 94.364	-0.041	0.000	0.84		133.3	OK
1.012	S5020 PH5 Connection	26 94.327	-0.038	0.000	1.00			133.3	OK
1.013		S5021	36 93.926	-0.404	0.000	0.23		139.7	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	24	94.151	-0.369	0.000	0.08	19.4	OK
5.001		S5025	38	93.827	-0.333	0.000	0.14	30.4	OK
6.000		S5026	24	94.344	-0.248	0.000	0.07	7.7	OK
6.001		S5027	39	93.853	-0.282	0.000	0.14	18.3	OK
5.002		S5028	37	93.809	-0.207	0.000	0.29	49.5	OK
1.014		S5029	37	93.801	-0.169	0.000	0.69	183.0	OK
1.015		S5030	37	93.753	-0.174	0.000	0.72	179.8	OK
1.016		S8121	37	93.702	-0.185	0.000	0.79	182.3	OK
1.017	S5036 - Headwall	37	93.687	-0.638	0.000	0.19		184.0	OK
7.000		S8135	26	96.311	-0.304	0.000	0.14	20.1	OK
7.001		S8136	26	96.275	-0.268	0.000	0.26	35.5	OK
7.002		S8137	26	96.226	-0.248	0.000	0.37	49.8	OK
7.003		S8161	26	96.166	-0.248	0.000	0.38	53.7	OK
8.000		S8151	24	96.249	-0.208	0.000	0.21	15.3	OK
7.004		S8162	26	96.086	-0.254	0.000	0.40	78.0	OK
7.005		S8152	26	95.886	-0.314	0.000	0.34	86.3	OK
9.000		S8144	24	96.300	-0.250	0.000	0.07	5.4	OK
9.001		S8145	26	96.060	-0.315	0.000	0.06	12.6	OK
7.006		S8146	26	95.760	-0.330	0.000	0.30	104.7	OK
0.000		S8165	26	95.590	-0.405	0.000	0.02	3.2	OK
0.001		S8164	26	95.541	-0.370	0.000	0.04	7.2	OK
7.007		S8147	26	95.539	-0.341	0.000	0.27	118.9	OK
7.008		S8150	26	95.264	-0.281	0.000	0.41	120.0	OK
7.009		S8149	25	95.167	-0.198	0.000	0.70	131.8	OK
1.000		S5037	24	95.201	-0.179	0.000	0.09	3.5	OK
1.001		S5038	26	95.011	-0.222	0.000	0.12	7.5	OK
1.002		S5039	25	94.980	-0.176	0.000	0.12	7.2	OK
2.000		S5040	24	95.250	-0.133	0.000	0.34	13.2	OK
7.010		S5041	25	94.973	-0.330	0.000	0.30	152.0	OK
7.011		S5042	25	94.514	-0.341	0.000	0.27	156.2	OK
7.012		S5047	36	93.767	-0.253	0.000	0.53	164.3	OK
7.013		S8167	37	93.720	-0.136	0.000	0.59	162.7	OK
7.014	S5048 - Headwall	37	93.698	-0.177	0.000	0.62		158.7	OK
1.018	S5049 - Headwall	43	93.641	-0.309	0.000	0.65		326.8	OK
1.019	S5050 Control Chamber	69	93.276	-0.174	0.000	0.08		7.3	OK

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Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 33	96.786	-0.329	0.000	0.04		6.8	OK
2.000		S8133 33	97.446	-0.264	0.000	0.03		5.3	OK
1.001		S8134 33	96.195	-0.355	0.000	0.10		18.5	OK
1.002		S8141 33	96.023	-0.422	0.000	0.09		26.1	OK
1.003		S8139 33	95.823	-0.432	0.000	0.07		27.9	OK
1.004		S8140 33	95.434	-0.411	0.000	0.11		38.4	OK
1.005		S4008 33	95.290	-0.336	0.000	0.28		45.4	OK
1.006		S4011 33	95.179	-0.410	0.000	0.11		46.7	OK
1.007		S4012 33	94.709	-0.376	0.000	0.18		56.2	OK
3.000		S8157 33	95.966	-0.339	0.000	0.02		5.0	OK
3.001		S8159 33	95.097	-0.383	0.000	0.05		11.5	OK
3.002		S8154 33	94.910	-0.430	0.000	0.08		21.9	OK
3.003		S8155 33	94.728	-0.437	0.000	0.07		29.1	OK
1.008		S5015 33	94.527	-0.318	0.000	0.33		93.1	OK
1.009		S5016 33	94.359	-0.346	0.000	0.25		93.3	OK
1.010	S5017 - PH4 Connection	33	94.279	-0.196	0.000	0.49		100.2	OK
4.000		S5018 33	95.135	-0.269	0.000	0.02		4.7	OK
1.011		S5019 33	94.240	-0.165	0.000	0.66		105.1	OK
1.012	S5020 PH5 Connection	33	94.202	-0.163	0.000	0.81		108.5	OK
1.013		S5021 41	93.906	-0.424	0.000	0.19		113.7	OK

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Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	33 94.135	-0.385	0.000	0.05		12.8	OK
5.001		S5025	42 93.802	-0.358	0.000	0.09		20.7	OK
6.000		S5026	33 94.334	-0.258	0.000	0.05		5.1	OK
6.001		S5027	41 93.838	-0.297	0.000	0.10		12.6	OK
5.002		S5028	42 93.759	-0.257	0.000	0.20		34.7	OK
1.014		S5029	41 93.751	-0.219	0.000	0.56		148.4	OK
1.015		S5030	42 93.704	-0.223	0.000	0.59		147.2	OK
1.016		S8121	47 93.657	-0.230	0.000	0.66		151.4	OK
1.017	S5036 - Headwall	48 93.641	-0.684	0.000	0.16			156.3	OK
7.000		S8135	33 96.280	-0.335	0.000	0.10		13.4	OK
7.001		S8136	33 96.241	-0.302	0.000	0.18		24.7	OK
7.002		S8137	33 96.191	-0.283	0.000	0.26		34.9	OK
7.003		S8161	33 96.132	-0.282	0.000	0.27		38.3	OK
8.000		S8151	33 96.231	-0.226	0.000	0.14		10.1	OK
7.004		S8162	33 96.053	-0.287	0.000	0.28		55.8	OK
7.005		S8152	33 95.851	-0.349	0.000	0.24		62.1	OK
9.000		S8144	33 96.290	-0.260	0.000	0.04		3.6	OK
9.001		S8145	33 96.049	-0.326	0.000	0.04		8.6	OK
7.006		S8146	33 95.730	-0.360	0.000	0.21		75.4	OK
10.000		S8165	33 95.574	-0.421	0.000	0.01		2.1	OK
10.001		S8164	33 95.513	-0.398	0.000	0.03		5.1	OK
7.007		S8147	33 95.511	-0.369	0.000	0.19		86.0	OK
7.008		S8150	33 95.217	-0.328	0.000	0.30		87.0	OK
7.009		S8149	33 95.108	-0.257	0.000	0.51		96.3	OK
11.000		S5037	33 95.191	-0.188	0.000	0.06		2.3	OK
11.001		S5038	33 94.996	-0.237	0.000	0.08		5.2	OK
11.002		S5039	33 94.952	-0.203	0.000	0.09		5.3	OK
12.000		S5040	33 95.231	-0.152	0.000	0.23		8.9	OK
7.010		S5041	33 94.944	-0.359	0.000	0.22		112.3	OK
7.011		S5042	33 94.488	-0.367	0.000	0.20		115.5	OK
7.012		S5047	41 93.724	-0.296	0.000	0.39		121.9	OK
7.013		S8167	47 93.659	-0.196	0.000	0.44		121.5	OK
7.014	S5048 - Headwall	48 93.642	-0.233	0.000	0.47			120.2	OK
1.018	S5049 - Headwall	54 93.592	-0.358	0.000	0.54			270.6	OK
1.019	S5050 Control Chamber	67 93.306	-0.144	0.000	0.10			9.1	OK

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Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

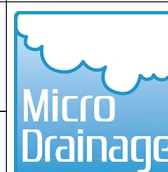
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 45	96.779	-0.336	0.000	0.02		4.3	OK
2.000		S8133 45	97.440	-0.270	0.000	0.02		3.4	OK
1.001		S8134 45	96.174	-0.376	0.000	0.06		11.8	OK
1.002		S8141 45	95.998	-0.447	0.000	0.05		16.6	OK
1.003		S8139 45	95.802	-0.453	0.000	0.05		17.7	OK
1.004		S8140 45	95.409	-0.436	0.000	0.07		24.4	OK
1.005		S4008 45	95.250	-0.376	0.000	0.18		29.0	OK
1.006		S4011 44	95.154	-0.435	0.000	0.07		29.9	OK
1.007		S4012 44	94.678	-0.407	0.000	0.11		35.8	OK
3.000		S8157 45	95.953	-0.352	0.000	0.01		3.2	OK
3.001		S8159 45	95.084	-0.396	0.000	0.03		7.3	OK
3.002		S8154 45	94.889	-0.451	0.000	0.05		13.9	OK
3.003		S8155 45	94.710	-0.455	0.000	0.04		18.6	OK
1.008		S5015 44	94.484	-0.361	0.000	0.21		59.6	OK
1.009		S5016 44	94.321	-0.384	0.000	0.16		59.4	OK
1.010	S5017 - PH4 Connection	44	94.194	-0.281	0.000	0.31		64.7	OK
4.000		S5018 45	95.125	-0.279	0.000	0.01		3.0	OK
1.011		S5019 44	94.151	-0.254	0.000	0.43		68.8	OK
1.012	S5020 PH5 Connection	46	94.113	-0.252	0.000	0.53		71.1	OK
1.013		S5021 47	93.870	-0.460	0.000	0.12		74.7	OK

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Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)	Flow (l/s)				
5.000		S5023	46	94.122	-0.398	0.000	0.03		8.1	OK
5.001		S5025	48	93.781	-0.379	0.000	0.06		13.2	OK
6.000		S5026	45	94.326	-0.266	0.000	0.03		3.2	OK
6.001		S5027	48	93.820	-0.315	0.000	0.06		8.0	OK
5.002		S5028	49	93.678	-0.338	0.000	0.14		23.1	OK
1.014		S5029	52	93.663	-0.307	0.000	0.38		100.0	OK
1.015		S5030	52	93.622	-0.305	0.000	0.40		100.2	OK
1.016		S8121	56	93.579	-0.308	0.000	0.45		103.4	OK
1.017	S5036 - Headwall	56	93.563	-0.762	0.000	0.11			108.9	OK
7.000		S8135	45	96.254	-0.361	0.000	0.06		8.5	OK
7.001		S8136	45	96.208	-0.335	0.000	0.11		15.7	OK
7.002		S8137	44	96.156	-0.317	0.000	0.17		22.4	OK
7.003		S8161	44	96.098	-0.316	0.000	0.17		24.4	OK
8.000		S8151	45	96.216	-0.241	0.000	0.09		6.4	OK
7.004		S8162	44	96.019	-0.320	0.000	0.18		35.8	OK
7.005		S8152	44	95.814	-0.386	0.000	0.16		39.8	OK
9.000		S8144	45	96.283	-0.267	0.000	0.03		2.3	OK
9.001		S8145	45	96.041	-0.334	0.000	0.03		5.5	OK
7.006		S8146	44	95.695	-0.395	0.000	0.14		48.5	OK
10.000		S8165	45	95.562	-0.433	0.000	0.01		1.3	OK
10.001		S8164	44	95.481	-0.431	0.000	0.02		3.4	OK
7.007		S8147	44	95.478	-0.402	0.000	0.12		55.2	OK
7.008		S8150	44	95.177	-0.368	0.000	0.19		56.0	OK
7.009		S8149	44	95.050	-0.315	0.000	0.34		63.0	OK
11.000		S5037	45	95.183	-0.196	0.000	0.04		1.5	OK
11.001		S5038	44	94.979	-0.254	0.000	0.05		3.3	OK
11.002		S5039	44	94.924	-0.232	0.000	0.06		3.5	OK
12.000		S5040	45	95.215	-0.168	0.000	0.15		5.6	OK
7.010		S5041	44	94.910	-0.393	0.000	0.14		73.5	OK
7.011		S5042	44	94.455	-0.400	0.000	0.13		75.9	OK
7.012		S5047	50	93.675	-0.345	0.000	0.26		80.3	OK
7.013		S8167	56	93.573	-0.282	0.000	0.29		80.2	OK
7.014	S5048 - Headwall	56	93.561	-0.314	0.000	0.31			79.6	OK
1.018	S5049 - Headwall	56	93.515	-0.435	0.000	0.37			187.4	OK
1.019	S5050 Control Chamber	64	93.336	-0.114	0.000	0.11			10.0	OK

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Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	52 96.771	-0.344	0.000	0.02		3.3	OK
2.000		S8133	52 97.434	-0.276	0.000	0.02		2.6	OK
1.001		S8134	52 96.164	-0.386	0.000	0.05		8.9	OK
1.002		S8141	52 95.988	-0.457	0.000	0.04		12.6	OK
1.003		S8139	52 95.793	-0.462	0.000	0.03		13.5	OK
1.004		S8140	52 95.396	-0.449	0.000	0.05		18.6	OK
1.005		S4008	52 95.229	-0.397	0.000	0.14		22.1	OK
1.006		S4011	52 95.141	-0.448	0.000	0.05		22.9	OK
1.007		S4012	52 94.664	-0.421	0.000	0.09		27.5	OK
3.000		S8157	52 95.947	-0.358	0.000	0.01		2.4	OK
3.001		S8159	52 95.078	-0.402	0.000	0.03		5.5	OK
3.002		S8154	52 94.880	-0.460	0.000	0.04		10.6	OK
3.003		S8155	52 94.701	-0.464	0.000	0.03		14.1	OK
1.008		S5015	52 94.460	-0.385	0.000	0.16		45.6	OK
1.009		S5016	52 94.302	-0.403	0.000	0.12		45.6	OK
1.010	S5017 - PH4 Connection	52 94.156	-0.319	0.000	0.24			49.5	OK
4.000		S5018	52 95.120	-0.284	0.000	0.01		2.3	OK
1.011		S5019	53 94.111	-0.294	0.000	0.33		52.5	OK
1.012	S5020 PH5 Connection	53 94.072	-0.293	0.000	0.41			54.2	OK
1.013		S5021	53 93.854	-0.476	0.000	0.09		57.1	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status	
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)		
5.000	S5036 - Headwall	53	94.117	-0.403	0.000	0.02		6.2	OK	
5.001		53	93.771	-0.389	0.000	0.04		10.0	OK	
5.000		52	94.323	-0.269	0.000	0.02		2.4	OK	
5.001		53	93.812	-0.323	0.000	0.05		6.1	OK	
5.002		57	93.637	-0.380	0.000	0.10		17.6	OK	
1.014		58	93.613	-0.357	0.000	0.29		76.7	OK	
1.015		59	93.574	-0.353	0.000	0.31		77.2	OK	
1.016		S8121	59	93.534	-0.353	0.000	0.35		79.9	OK
1.017		59	93.520	-0.805	0.000	0.09		84.3	OK	
7.000		S8135	52	96.239	-0.376	0.000	0.05		6.5	OK
7.001		S8136	52	96.192	-0.351	0.000	0.09		12.0	OK
7.002		S8137	52	96.137	-0.337	0.000	0.13		17.2	OK
7.003		S8161	52	96.078	-0.336	0.000	0.13		18.8	OK
8.000		S8151	52	96.207	-0.250	0.000	0.07		4.9	OK
7.004		S8162	52	96.000	-0.339	0.000	0.14		27.5	OK
7.005		S8152	52	95.796	-0.404	0.000	0.12		30.7	OK
9.000		S8144	52	96.280	-0.270	0.000	0.02		1.7	OK
9.001		S8145	52	96.036	-0.339	0.000	0.02		4.2	OK
7.006		S8146	52	95.679	-0.411	0.000	0.11		37.3	OK
0.000		S8165	52	95.558	-0.437	0.000	0.01		1.0	OK
0.001		S8164	52	95.466	-0.445	0.000	0.01		2.5	OK
7.007		S8147	52	95.464	-0.416	0.000	0.10		42.6	OK
7.008		S8150	52	95.154	-0.391	0.000	0.15		43.0	OK
7.009		S8149	52	95.020	-0.345	0.000	0.26		48.1	OK
1.000		S5037	52	95.180	-0.200	0.000	0.03		1.1	OK
1.001		S5038	52	94.972	-0.261	0.000	0.04		2.5	OK
1.002		S5039	52	94.911	-0.244	0.000	0.04		2.7	OK
2.000		S5040	52	95.208	-0.175	0.000	0.11		4.3	OK
7.010	S5041	52	94.893	-0.410	0.000	0.11		56.3	OK	
7.011	S5042	52	94.440	-0.415	0.000	0.10		58.1	OK	
7.012	S5047	57	93.653	-0.367	0.000	0.20		61.5	OK	
7.013	S8167	59	93.529	-0.326	0.000	0.22		61.5	OK	
7.014	S5048 - Headwall	59	93.516	-0.359	0.000	0.24		61.3	OK	
1.018	S5049 - Headwall	59	93.474	-0.476	0.000	0.29		144.8	OK	
1.019	S5050 Control Chamber	61	93.352	-0.098	0.000	0.11		10.3	OK	

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Summary Wizard of 240 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

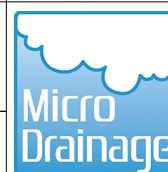
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	56 96.765	-0.350	0.000	0.01		2.7	OK
2.000		S8133	56 97.429	-0.281	0.000	0.01		2.1	OK
1.001		S8134	56 96.158	-0.392	0.000	0.04		7.3	OK
1.002		S8141	56 95.982	-0.463	0.000	0.03		10.3	OK
1.003		S8139	56 95.788	-0.467	0.000	0.03		11.0	OK
1.004		S8140	56 95.389	-0.456	0.000	0.04		15.2	OK
1.005		S4008	56 95.217	-0.409	0.000	0.11		18.1	OK
1.006		S4011	56 95.134	-0.455	0.000	0.04		18.6	OK
1.007		S4012	56 94.651	-0.434	0.000	0.07		22.4	OK
3.000		S8157	56 95.944	-0.361	0.000	0.01		2.0	OK
3.001		S8159	56 95.075	-0.405	0.000	0.02		4.5	OK
3.002		S8154	56 94.875	-0.465	0.000	0.03		8.7	OK
3.003		S8155	56 94.697	-0.468	0.000	0.03		11.6	OK
1.008		S5015	56 94.446	-0.399	0.000	0.13		37.2	OK
1.009		S5016	56 94.291	-0.414	0.000	0.10		37.2	OK
1.010	S5017 - PH4 Connection	57 94.133	-0.342	0.000	0.20			40.6	OK
4.000		S5018	56 95.117	-0.287	0.000	0.01		1.8	OK
1.011		S5019	57 94.086	-0.319	0.000	0.27		43.1	OK
1.012	S5020 PH5 Connection	57 94.048	-0.317	0.000	0.33			44.5	OK
1.013		S5021	57 93.841	-0.489	0.000	0.08		46.8	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	57	94.112	-0.408	0.000	0.02	5.0	OK
5.001		S5025	57	93.765	-0.395	0.000	0.04	8.2	OK
5.000		S5026	56	94.318	-0.274	0.000	0.02	2.0	OK
5.001		S5027	57	93.807	-0.328	0.000	0.04	5.0	OK
5.002		S5028	60	93.613	-0.403	0.000	0.08	14.4	OK
1.014		S5029	60	93.582	-0.389	0.000	0.24	63.2	OK
1.015		S5030	60	93.543	-0.384	0.000	0.25	63.6	OK
1.016		S8121	60	93.505	-0.382	0.000	0.29	65.9	OK
1.017	S5036 - Headwall	60	93.491	-0.834	0.000	0.07		69.7	OK
7.000		S8135	56	96.231	-0.384	0.000	0.04	5.3	OK
7.001		S8136	56	96.183	-0.360	0.000	0.07	9.8	OK
7.002		S8137	56	96.126	-0.347	0.000	0.10	14.0	OK
7.003		S8161	56	96.067	-0.346	0.000	0.11	15.3	OK
8.000		S8151	56	96.202	-0.255	0.000	0.05	4.0	OK
7.004		S8162	56	95.990	-0.349	0.000	0.11	22.5	OK
7.005		S8152	56	95.785	-0.415	0.000	0.10	25.1	OK
9.000		S8144	56	96.274	-0.276	0.000	0.02	1.4	OK
9.001		S8145	56	96.030	-0.345	0.000	0.02	3.4	OK
7.006		S8146	56	95.669	-0.421	0.000	0.09	30.5	OK
0.000		S8165	56	95.556	-0.439	0.000	0.01	0.8	OK
0.001		S8164	56	95.455	-0.456	0.000	0.01	2.1	OK
7.007		S8147	56	95.452	-0.428	0.000	0.08	34.8	OK
7.008		S8150	56	95.141	-0.404	0.000	0.12	35.3	OK
7.009		S8149	56	95.003	-0.362	0.000	0.21	39.5	OK
1.000		S5037	56	95.178	-0.201	0.000	0.02	0.9	OK
1.001		S5038	56	94.969	-0.265	0.000	0.03	2.0	OK
1.002		S5039	56	94.904	-0.252	0.000	0.04	2.2	OK
2.000		S5040	56	95.203	-0.179	0.000	0.09	3.5	OK
7.010		S5041	56	94.884	-0.419	0.000	0.09	46.2	OK
7.011		S5042	56	94.429	-0.426	0.000	0.08	47.7	OK
7.012		S5047	60	93.636	-0.384	0.000	0.16	50.5	OK
7.013		S8167	60	93.502	-0.353	0.000	0.18	50.5	OK
7.014	S5048 - Headwall	60	93.487	-0.388	0.000	0.20		50.4	OK
1.018	S5049 - Headwall	60	93.447	-0.503	0.000	0.24		119.8	OK
1.019	S5050 Control Chamber	56	93.363	-0.087	0.000	0.11		10.5	OK

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Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 62	96.759	-0.356	0.000	0.01		2.0	OK
2.000		S8133 62	97.424	-0.286	0.000	0.01		1.6	OK
1.001		S8134 62	96.151	-0.399	0.000	0.03		5.4	OK
1.002		S8141 62	95.976	-0.469	0.000	0.03		7.7	OK
1.003		S8139 62	95.783	-0.472	0.000	0.02		8.2	OK
1.004		S8140 62	95.381	-0.464	0.000	0.03		11.4	OK
1.005		S4008 62	95.202	-0.424	0.000	0.08		13.5	OK
1.006		S4011 62	95.125	-0.464	0.000	0.03		14.0	OK
1.007		S4012 62	94.637	-0.448	0.000	0.05		16.8	OK
3.000		S8157 62	95.940	-0.365	0.000	0.01		1.5	OK
3.001		S8159 62	95.064	-0.416	0.000	0.02		3.4	OK
3.002		S8154 62	94.869	-0.471	0.000	0.02		6.5	OK
3.003		S8155 62	94.689	-0.476	0.000	0.02		8.6	OK
1.008		S5015 62	94.430	-0.415	0.000	0.10		28.0	OK
1.009		S5016 62	94.275	-0.430	0.000	0.08		27.9	OK
1.010	S5017 - PH4 Connection	62	94.105	-0.370	0.000	0.15		30.3	OK
4.000		S5018 62	95.114	-0.290	0.000	0.01		1.4	OK
1.011		S5019 62	94.056	-0.349	0.000	0.20		32.2	OK
1.012	S5020 PH5 Connection	62	94.017	-0.348	0.000	0.25		33.3	OK
1.013		S5021 62	93.823	-0.507	0.000	0.06		35.0	OK

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Micro
Drainage

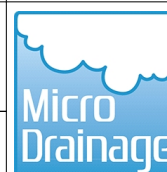
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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	62	94.101	-0.419	0.000	0.01	3.8	OK
5.001		S5025	62	93.759	-0.401	0.000	0.03	6.1	OK
5.000		S5026	62	94.311	-0.280	0.000	0.01	1.5	OK
5.001		S5027	62	93.802	-0.333	0.000	0.03	3.7	OK
5.002		S5028	63	93.588	-0.429	0.000	0.06	10.8	OK
1.014		S5029	63	93.541	-0.429	0.000	0.18	47.3	OK
1.015		S5030	63	93.503	-0.424	0.000	0.19	47.8	OK
1.016		S8121	63	93.467	-0.420	0.000	0.22	49.6	OK
1.017	S5036 - Headwall	63	93.455	-0.870	0.000	0.05		52.4	OK
7.000		S8135	62	96.221	-0.394	0.000	0.03	3.9	OK
7.001		S8136	62	96.169	-0.374	0.000	0.05	7.3	OK
7.002		S8137	62	96.114	-0.360	0.000	0.08	10.5	OK
7.003		S8161	62	96.055	-0.359	0.000	0.08	11.5	OK
8.000		S8151	62	96.196	-0.261	0.000	0.04	3.0	OK
7.004		S8162	62	95.977	-0.362	0.000	0.09	16.9	OK
7.005		S8152	62	95.769	-0.431	0.000	0.07	18.8	OK
9.000		S8144	62	96.268	-0.282	0.000	0.01	1.0	OK
9.001		S8145	62	96.022	-0.353	0.000	0.01	2.5	OK
7.006		S8146	62	95.652	-0.438	0.000	0.07	22.9	OK
0.000		S8165	62	95.553	-0.442	0.000	0.00	0.6	OK
0.001		S8164	62	95.441	-0.470	0.000	0.01	1.6	OK
7.007		S8147	62	95.437	-0.443	0.000	0.06	26.1	OK
7.008		S8150	62	95.126	-0.419	0.000	0.09	26.4	OK
7.009		S8149	62	94.979	-0.386	0.000	0.16	29.6	OK
1.000		S5037	62	95.174	-0.206	0.000	0.02	0.7	OK
1.001		S5038	62	94.965	-0.268	0.000	0.02	1.5	OK
1.002		S5039	62	94.894	-0.262	0.000	0.03	1.6	OK
2.000		S5040	62	95.196	-0.187	0.000	0.07	2.6	OK
7.010		S5041	62	94.867	-0.436	0.000	0.07	34.6	OK
7.011		S5042	62	94.414	-0.441	0.000	0.06	35.7	OK
7.012		S5047	63	93.616	-0.404	0.000	0.12	37.8	OK
7.013		S8167	63	93.469	-0.387	0.000	0.14	37.8	OK
7.014	S5048 - Headwall	63	93.450	-0.425	0.000	0.15		37.8	OK
1.018	S5049 - Headwall	63	93.413	-0.537	0.000	0.18		89.8	OK
1.019	S5050 Control Chamber	53	93.376	-0.074	0.000	0.11		10.6	OK

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Summary Wizard of 480 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	64	94.095	-0.425	0.000	0.01	3.0	OK
5.001		S5025	64	93.756	-0.404	0.000	0.02	4.9	OK
6.000		S5026	64	94.308	-0.284	0.000	0.01	1.2	OK
6.001		S5027	64	93.799	-0.336	0.000	0.02	3.0	OK
5.002		S5028	65	93.572	-0.444	0.000	0.05	8.8	OK
1.014		S5029	65	93.516	-0.454	0.000	0.15	38.3	OK
1.015		S5030	65	93.479	-0.448	0.000	0.15	38.6	OK
1.016		S8121	65	93.444	-0.443	0.000	0.17	40.2	OK
1.017	S5036 -	Headwall	65	93.432	-0.893	0.000	0.04	42.6	OK
7.000		S8135	64	96.216	-0.400	0.000	0.02	3.2	OK
7.001		S8136	64	96.159	-0.383	0.000	0.04	5.9	OK
7.002		S8137	64	96.103	-0.371	0.000	0.06	8.5	OK
7.003		S8161	64	96.044	-0.370	0.000	0.07	9.3	OK
8.000		S8151	64	96.192	-0.265	0.000	0.03	2.4	OK
7.004		S8162	64	95.966	-0.373	0.000	0.07	13.7	OK
7.005		S8152	64	95.758	-0.442	0.000	0.06	15.2	OK
9.000		S8144	64	96.265	-0.285	0.000	0.01	0.8	OK
9.001		S8145	64	96.018	-0.357	0.000	0.01	2.1	OK
7.006		S8146	64	95.642	-0.448	0.000	0.05	18.5	OK
10.000		S8165	64	95.551	-0.444	0.000	0.00	0.5	OK
10.001		S8164	64	95.433	-0.478	0.000	0.01	1.3	OK
7.007		S8147	64	95.428	-0.452	0.000	0.05	21.2	OK
7.008		S8150	64	95.113	-0.432	0.000	0.07	21.4	OK
7.009		S8149	64	94.965	-0.401	0.000	0.13	24.0	OK
11.000		S5037	64	95.170	-0.209	0.000	0.01	0.5	OK
11.001		S5038	64	94.962	-0.272	0.000	0.02	1.2	OK
11.002		S5039	64	94.889	-0.266	0.000	0.02	1.3	OK
12.000		S5040	64	95.191	-0.191	0.000	0.05	2.1	OK
7.010		S5041	64	94.857	-0.446	0.000	0.05	28.1	OK
7.011		S5042	64	94.405	-0.450	0.000	0.05	29.0	OK
7.012		S5047	65	93.605	-0.415	0.000	0.10	30.7	OK
7.013		S8167	65	93.449	-0.407	0.000	0.11	30.6	OK
7.014	S5048 -	Headwall	65	93.425	-0.450	0.000	0.12	30.6	OK
1.018	S5049 -	Headwall	66	93.389	-0.561	0.000	0.15	73.2	OK
1.019	S5050	Control Chamber	52	93.382	-0.068	0.000	0.11	10.7	OK

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Summary Wizard of 600 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	67 96.753	-0.362	0.000	0.01	1.4	OK	
2.000		S8133	67 97.420	-0.290	0.000	0.01	1.1	OK	
1.001		S8134	67 96.144	-0.406	0.000	0.02	3.7	OK	
1.002		S8141	67 95.963	-0.482	0.000	0.02	5.3	OK	
1.003		S8139	67 95.766	-0.489	0.000	0.01	5.7	OK	
1.004		S8140	67 95.373	-0.472	0.000	0.02	7.8	OK	
1.005		S4008	67 95.182	-0.444	0.000	0.06	9.3	OK	
1.006		S4011	67 95.117	-0.472	0.000	0.02	9.6	OK	
1.007		S4012	67 94.624	-0.461	0.000	0.04	11.5	OK	
3.000		S8157	67 95.937	-0.368	0.000	0.00	1.0	OK	
3.001		S8159	67 95.053	-0.427	0.000	0.01	2.3	OK	
3.002		S8154	67 94.853	-0.487	0.000	0.02	4.4	OK	
3.003		S8155	67 94.674	-0.491	0.000	0.01	5.9	OK	
1.008		S5015	67 94.409	-0.436	0.000	0.07	19.2	OK	
1.009		S5016	67 94.257	-0.448	0.000	0.05	19.2	OK	
1.010	S5017 - PH4 Connection	67 94.075	-0.400	0.000	0.10	20.9	OK		
4.000		S5018	67 95.111	-0.293	0.000	0.00	0.9	OK	
1.011		S5019	67 94.024	-0.381	0.000	0.14	22.2	OK	
1.012	S5020 PH5 Connection	67 93.985	-0.380	0.000	0.17	22.9	OK		
1.013		S5021	67 93.807	-0.523	0.000	0.04	24.1	OK	

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	67	94.091	-0.429	0.000	0.01	2.6	OK
5.001		S5025	67	93.750	-0.410	0.000	0.02	4.2	OK
5.000		S5026	67	94.305	-0.287	0.000	0.01	1.0	OK
5.001		S5027	67	93.795	-0.340	0.000	0.02	2.5	OK
5.002		S5028	67	93.563	-0.454	0.000	0.04	7.4	OK
1.014		S5029	67	93.498	-0.472	0.000	0.12	32.6	OK
1.015		S5030	67	93.461	-0.466	0.000	0.13	32.8	OK
1.016		S8121	67	93.426	-0.461	0.000	0.15	34.1	OK
1.017	S5036 - Headwall	67	93.415	-0.910	0.000	0.04		36.1	OK
7.000		S8135	67	96.212	-0.403	0.000	0.02	2.7	OK
7.001		S8136	67	96.154	-0.389	0.000	0.04	5.0	OK
7.002		S8137	67	96.095	-0.379	0.000	0.05	7.2	OK
7.003		S8161	67	96.036	-0.378	0.000	0.06	7.9	OK
8.000		S8151	67	96.190	-0.267	0.000	0.03	2.0	OK
7.004		S8162	67	95.959	-0.380	0.000	0.06	11.6	OK
7.005		S8152	67	95.751	-0.449	0.000	0.05	12.9	OK
9.000		S8144	67	96.262	-0.288	0.000	0.01	0.7	OK
9.001		S8145	67	96.015	-0.360	0.000	0.01	1.7	OK
7.006		S8146	67	95.636	-0.454	0.000	0.04	15.7	OK
0.000		S8165	67	95.550	-0.445	0.000	0.00	0.4	OK
0.001		S8164	67	95.427	-0.484	0.000	0.01	1.1	OK
7.007		S8147	67	95.423	-0.457	0.000	0.04	17.9	OK
7.008		S8150	67	95.105	-0.440	0.000	0.06	18.2	OK
7.009		S8149	67	94.955	-0.410	0.000	0.11	20.4	OK
1.000		S5037	67	95.168	-0.212	0.000	0.01	0.5	OK
1.001		S5038	67	94.957	-0.276	0.000	0.02	1.0	OK
1.002		S5039	67	94.887	-0.269	0.000	0.02	1.1	OK
2.000		S5040	67	95.189	-0.194	0.000	0.05	1.8	OK
7.010		S5041	67	94.850	-0.453	0.000	0.05	23.8	OK
7.011		S5042	67	94.399	-0.456	0.000	0.04	24.6	OK
7.012		S5047	67	93.596	-0.424	0.000	0.08	26.0	OK
7.013		S8167	67	93.438	-0.417	0.000	0.09	26.0	OK
7.014	S5048 - Headwall	67	93.409	-0.466	0.000	0.10		26.0	OK
1.018	S5049 - Headwall	70	93.385	-0.565	0.000	0.12		62.1	OK
1.019	S5050 Control Chamber	50	93.384	-0.066	0.000	0.11		10.7	OK

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Summary Wizard of 720 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	69 96.751	-0.364	0.000	0.01		1.2	OK
2.000		S8133	69 97.419	-0.291	0.000	0.01		0.9	OK
1.001		S8134	69 96.138	-0.412	0.000	0.02		3.3	OK
1.002		S8141	69 95.958	-0.487	0.000	0.02		4.6	OK
1.003		S8139	69 95.762	-0.493	0.000	0.01		4.9	OK
1.004		S8140	69 95.367	-0.478	0.000	0.02		6.8	OK
1.005		S4008	69 95.176	-0.450	0.000	0.05		8.1	OK
1.006		S4011	69 95.112	-0.477	0.000	0.02		8.4	OK
1.007		S4012	69 94.621	-0.464	0.000	0.03		10.1	OK
3.000		S8157	69 95.936	-0.369	0.000	0.00		0.9	OK
3.001		S8159	69 95.051	-0.429	0.000	0.01		2.0	OK
3.002		S8154	69 94.849	-0.491	0.000	0.01		3.9	OK
3.003		S8155	69 94.670	-0.495	0.000	0.01		5.2	OK
1.008		S5015	69 94.402	-0.443	0.000	0.06		16.7	OK
1.009		S5016	69 94.252	-0.453	0.000	0.05		16.7	OK
1.010	S5017 - PH4 Connection	69 94.066	-0.409	0.000	0.09			18.1	OK
4.000		S5018	69 95.110	-0.294	0.000	0.00		0.8	OK
1.011		S5019	69 94.013	-0.392	0.000	0.12		19.3	OK
1.012	S5020 PH5 Connection	69 93.974	-0.391	0.000	0.15			19.9	OK
1.013		S5021	69 93.802	-0.528	0.000	0.03		21.0	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	69	94.089	-0.431	0.000	0.01	2.3	OK
5.001		S5025	69	93.745	-0.415	0.000	0.02	3.7	OK
5.000		S5026	69	94.304	-0.288	0.000	0.01	0.9	OK
5.001		S5027	69	93.790	-0.345	0.000	0.02	2.2	OK
5.002		S5028	69	93.557	-0.459	0.000	0.04	6.5	OK
1.014		S5029	69	93.483	-0.487	0.000	0.11	28.3	OK
1.015		S5030	69	93.447	-0.481	0.000	0.11	28.6	OK
1.016		S8121	69	93.413	-0.475	0.000	0.13	29.7	OK
1.017	S5036 - Headwall	69	93.401	-0.924	0.000	0.03		31.4	OK
7.000		S8135	69	96.210	-0.405	0.000	0.02	2.4	OK
7.001		S8136	69	96.150	-0.393	0.000	0.03	4.4	OK
7.002		S8137	69	96.090	-0.384	0.000	0.05	6.3	OK
7.003		S8161	69	96.031	-0.383	0.000	0.05	6.9	OK
8.000		S8151	69	96.188	-0.269	0.000	0.02	1.8	OK
7.004		S8162	69	95.954	-0.385	0.000	0.05	10.1	OK
7.005		S8152	69	95.746	-0.454	0.000	0.04	11.3	OK
9.000		S8144	69	96.261	-0.289	0.000	0.01	0.6	OK
9.001		S8145	69	96.013	-0.362	0.000	0.01	1.5	OK
7.006		S8146	69	95.631	-0.459	0.000	0.04	13.7	OK
0.000		S8165	69	95.550	-0.445	0.000	0.00	0.4	OK
0.001		S8164	69	95.423	-0.488	0.000	0.01	0.9	OK
7.007		S8147	69	95.419	-0.461	0.000	0.04	15.7	OK
7.008		S8150	69	95.099	-0.446	0.000	0.05	15.8	OK
7.009		S8149	69	94.948	-0.417	0.000	0.09	17.7	OK
1.000		S5037	69	95.166	-0.213	0.000	0.01	0.4	OK
1.001		S5038	69	94.954	-0.279	0.000	0.01	0.9	OK
1.002		S5039	69	94.884	-0.272	0.000	0.02	1.0	OK
2.000		S5040	69	95.187	-0.196	0.000	0.04	1.6	OK
7.010		S5041	69	94.846	-0.457	0.000	0.04	20.7	OK
7.011		S5042	69	94.394	-0.461	0.000	0.04	21.4	OK
7.012		S5047	69	93.588	-0.432	0.000	0.07	22.6	OK
7.013		S8167	69	93.430	-0.425	0.000	0.08	22.7	OK
7.014	S5048 - Headwall	69	93.397	-0.478	0.000	0.09		22.6	OK
1.018	S5049 - Headwall	67	93.388	-0.562	0.000	0.11		53.9	OK
1.019	S5050 Control Chamber	48	93.387	-0.063	0.000	0.12		10.8	OK

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Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	70 96.749	-0.366	0.000	0.01	1.0	OK	
2.000		S8133	70 97.417	-0.293	0.000	0.00	0.8	OK	
1.001		S8134	70 96.131	-0.419	0.000	0.01	2.6	OK	
1.002		S8141	70 95.950	-0.495	0.000	0.01	3.7	OK	
1.003		S8139	70 95.756	-0.499	0.000	0.01	4.0	OK	
1.004		S8140	70 95.358	-0.487	0.000	0.02	5.5	OK	
1.005		S4008	70 95.168	-0.458	0.000	0.04	6.6	OK	
1.006		S4011	70 95.103	-0.486	0.000	0.02	6.8	OK	
1.007		S4012	70 94.616	-0.469	0.000	0.03	8.1	OK	
3.000		S8157	70 95.935	-0.370	0.000	0.00	0.7	OK	
3.001		S8159	70 95.047	-0.433	0.000	0.01	1.6	OK	
3.002		S8154	70 94.842	-0.498	0.000	0.01	3.1	OK	
3.003		S8155	70 94.664	-0.501	0.000	0.01	4.2	OK	
1.008		S5015	70 94.393	-0.452	0.000	0.05	13.5	OK	
1.009		S5016	70 94.245	-0.460	0.000	0.04	13.5	OK	
1.010	S5017 - PH4 Connection	70	94.055	-0.420	0.000	0.07	14.7	OK	
4.000		S5018	70 95.109	-0.295	0.000	0.00	0.7	OK	
1.011		S5019	71 93.999	-0.406	0.000	0.10	15.6	OK	
1.012	S5020 PH5 Connection	71	93.961	-0.404	0.000	0.12	16.1	OK	
1.013		S5021	71 93.796	-0.534	0.000	0.03	17.0	OK	

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	70	94.085	-0.435	0.000	0.01	1.8	OK
5.001		S5025	70	93.738	-0.422	0.000	0.01	3.0	OK
5.000		S5026	70	94.301	-0.291	0.000	0.01	0.7	OK
5.001		S5027	70	93.784	-0.351	0.000	0.01	1.8	OK
5.002		S5028	70	93.551	-0.465	0.000	0.03	5.3	OK
1.014		S5029	71	93.463	-0.508	0.000	0.09	22.9	OK
1.015		S5030	71	93.426	-0.501	0.000	0.09	23.1	OK
1.016		S8121	71	93.393	-0.494	0.000	0.10	24.0	OK
1.017	S5036 - Headwall	70	93.392	-0.933	0.000	0.03		25.4	OK
7.000		S8135	70	96.202	-0.413	0.000	0.01	1.9	OK
7.001		S8136	70	96.144	-0.398	0.000	0.03	3.6	OK
7.002		S8137	70	96.083	-0.390	0.000	0.04	5.1	OK
7.003		S8161	70	96.024	-0.390	0.000	0.04	5.6	OK
8.000		S8151	70	96.185	-0.272	0.000	0.02	1.4	OK
7.004		S8162	70	95.948	-0.391	0.000	0.04	8.2	OK
7.005		S8152	70	95.739	-0.461	0.000	0.04	9.1	OK
9.000		S8144	70	96.259	-0.291	0.000	0.01	0.5	OK
9.001		S8145	70	96.011	-0.364	0.000	0.01	1.2	OK
7.006		S8146	70	95.626	-0.464	0.000	0.03	11.1	OK
0.000		S8165	70	95.549	-0.446	0.000	0.00	0.3	OK
0.001		S8164	70	95.417	-0.494	0.000	0.00	0.8	OK
7.007		S8147	70	95.413	-0.467	0.000	0.03	12.7	OK
7.008		S8150	70	95.090	-0.455	0.000	0.04	12.8	OK
7.009		S8149	70	94.936	-0.429	0.000	0.08	14.3	OK
1.000		S5037	70	95.164	-0.216	0.000	0.01	0.3	OK
1.001		S5038	70	94.950	-0.283	0.000	0.01	0.7	OK
1.002		S5039	70	94.878	-0.277	0.000	0.01	0.8	OK
2.000		S5040	70	95.184	-0.199	0.000	0.03	1.3	OK
7.010		S5041	70	94.840	-0.463	0.000	0.03	16.7	OK
7.011		S5042	70	94.389	-0.466	0.000	0.03	17.3	OK
7.012		S5047	71	93.577	-0.443	0.000	0.06	18.3	OK
7.013		S8167	71	93.418	-0.438	0.000	0.07	18.3	OK
7.014	S5048 - Headwall	70	93.392	-0.483	0.000	0.07		18.3	OK
1.018	S5049 - Headwall	65	93.390	-0.560	0.000	0.09		43.6	OK
1.019	S5050 Control Chamber	47	93.389	-0.061	0.000	0.12		10.8	OK

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Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

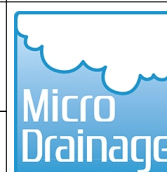
 Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,
 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
1.000		S8142	72 96.747	-0.368	0.000	0.00		0.7	OK
2.000		S8133	72 97.415	-0.295	0.000	0.00		0.6	OK
1.001		S8134	72 96.123	-0.427	0.000	0.01		2.0	OK
1.002		S8141	72 95.942	-0.503	0.000	0.01		2.8	OK
1.003		S8139	72 95.749	-0.506	0.000	0.01		3.0	OK
1.004		S8140	72 95.348	-0.497	0.000	0.01		4.1	OK
1.005		S4008	72 95.160	-0.466	0.000	0.03		4.9	OK
1.006		S4011	72 95.093	-0.496	0.000	0.01		5.0	OK
1.007		S4012	72 94.607	-0.478	0.000	0.02		6.0	OK
3.000		S8157	72 95.934	-0.371	0.000	0.00		0.5	OK
3.001		S8159	72 95.042	-0.438	0.000	0.01		1.2	OK
3.002		S8154	72 94.835	-0.505	0.000	0.01		2.3	OK
3.003		S8155	72 94.658	-0.507	0.000	0.01		3.1	OK
1.008		S5015	72 94.384	-0.461	0.000	0.04		10.0	OK
1.009		S5016	72 94.237	-0.468	0.000	0.03		10.0	OK
1.010	S5017 - PH4 Connection	72 94.038	-0.437	0.000	0.05			10.9	OK
4.000		S5018	72 95.107	-0.297	0.000	0.00		0.5	OK
1.011		S5019	72 93.984	-0.421	0.000	0.07		11.6	OK
1.012	S5020 PH5 Connection	72 93.946	-0.419	0.000	0.09			12.0	OK
1.013		S5021	72 93.789	-0.541	0.000	0.02		12.6	OK

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Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe	Status
								Flow (l/s)	
5.000		S5023	72	94.081	-0.439	0.000	0.01	1.4	OK
5.001		S5025	72	93.731	-0.429	0.000	0.01	2.2	OK
6.000		S5026	72	94.299	-0.293	0.000	0.00	0.5	OK
6.001		S5027	72	93.778	-0.357	0.000	0.01	1.3	OK
5.002		S5028	72	93.545	-0.471	0.000	0.02	3.9	OK
1.014		S5029	72	93.440	-0.530	0.000	0.06	17.0	OK
1.015		S5030	72	93.404	-0.523	0.000	0.07	17.1	OK
1.016		S8121	72	93.389	-0.498	0.000	0.08	17.8	OK
1.017	S5036 -	Headwall	71	93.389	-0.936	0.000	0.02	18.8	OK
7.000		S8135	72	96.193	-0.422	0.000	0.01	1.4	OK
7.001		S8136	72	96.139	-0.404	0.000	0.02	2.6	OK
7.002		S8137	72	96.076	-0.398	0.000	0.03	3.8	OK
7.003		S8161	72	96.017	-0.397	0.000	0.03	4.1	OK
8.000		S8151	72	96.178	-0.279	0.000	0.01	1.1	OK
7.004		S8162	72	95.941	-0.399	0.000	0.03	6.1	OK
7.005		S8152	72	95.732	-0.468	0.000	0.03	6.8	OK
9.000		S8144	72	96.257	-0.293	0.000	0.00	0.4	OK
9.001		S8145	72	96.008	-0.367	0.000	0.00	0.9	OK
7.006		S8146	72	95.619	-0.471	0.000	0.02	8.2	OK
10.000		S8165	72	95.548	-0.447	0.000	0.00	0.2	OK
10.001		S8164	72	95.411	-0.500	0.000	0.00	0.6	OK
7.007		S8147	72	95.408	-0.472	0.000	0.02	9.4	OK
7.008		S8150	72	95.082	-0.463	0.000	0.03	9.5	OK
7.009		S8149	72	94.922	-0.443	0.000	0.06	10.6	OK
11.000		S5037	72	95.162	-0.218	0.000	0.01	0.2	OK
11.001		S5038	72	94.946	-0.287	0.000	0.01	0.5	OK
11.002		S5039	72	94.872	-0.283	0.000	0.01	0.6	OK
12.000		S5040	72	95.181	-0.201	0.000	0.02	0.9	OK
7.010		S5041	72	94.833	-0.470	0.000	0.02	12.4	OK
7.011		S5042	72	94.383	-0.472	0.000	0.02	12.8	OK
7.012		S5047	72	93.565	-0.455	0.000	0.04	13.6	OK
7.013		S8167	72	93.405	-0.451	0.000	0.05	13.6	OK
7.014	S5048 -	Headwall	71	93.388	-0.487	0.000	0.05	13.6	OK
1.018	S5049 -	Headwall	69	93.387	-0.563	0.000	0.06	32.1	OK
1.019	S5050	Control Chamber	49	93.386	-0.064	0.000	0.12	10.8	OK

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Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	6	96.846	-0.269	0.000	0.17	32.1
2.000	S8133	6	97.492	-0.218	0.000	0.16	25.0
1.001	S8134	7	96.325	-0.225	0.000	0.48	88.3
1.002	S8141	7	96.158	-0.287	0.000	0.41	125.1
1.003	S8139	7	95.945	-0.310	0.000	0.35	133.6
1.004	S8140	8	95.671	-0.174	0.000	0.51	181.6
1.005	S4008	9	95.626	0.000	0.000	1.30	212.0
1.006	S4011	8	95.417	-0.172	0.000	0.47	202.9
1.007	S4012	8	95.326	0.241	0.000	0.66	210.1
3.000	S8157	7	96.008	-0.297	0.000	0.10	24.0
3.001	S8159	8	95.269	-0.211	0.000	0.27	57.0
3.002	S8154	8	95.256	-0.084	0.000	0.37	106.9
3.003	S8155	8	95.239	0.074	0.000	0.29	126.4
1.008	S5015	8	95.224	0.379	0.000	1.08	305.3
1.009	S5016	8	95.075	0.370	0.000	0.83	305.3
1.010	S5017 - PH4 Connection	8	94.925	0.450	0.000	1.57	323.2
4.000	S5018	7	95.170	-0.234	0.000	0.11	22.6
1.011	S5019	8	94.756	0.351	0.000	2.14	339.2
1.012	S5020 PH5 Connection	10	94.574	0.209	0.000	2.58	344.3
1.013	S5021	10	94.410	0.080	0.000	0.58	348.0

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Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	11 94.365	-0.155	0.000	0.23		60.4
5.001		S5025	11 94.357	0.197	0.000	0.34		74.8
6.000		S5026	10 94.389	-0.203	0.000	0.22		23.8
6.001		S5027	11 94.356	0.221	0.000	0.40		52.8
5.002		S5028	10 94.348	0.332	0.000	0.77		131.3
1.014		S5029	10 94.337	0.367	0.000	1.75		462.1
1.015		S5030	10 94.264	0.337	0.000	1.82		456.6
1.016		S8121	10 94.193	0.306	0.000	2.01		461.8
1.017	S5036 - Headwall	9 94.151	-0.174	0.000	0.45			442.4
7.000		S8135	7 96.622	0.007	0.000	0.43		60.1
7.001		S8136	7 96.596	0.053	0.000	0.77		106.3
7.002		S8137	7 96.550	0.077	0.000	1.09		148.3
7.003		S8161	7 96.475	0.061	0.000	1.13		159.0
8.000		S8151	7 96.422	-0.035	0.000	0.64		47.2
7.004		S8162	7 96.374	0.035	0.000	1.17		230.6
7.005		S8152	7 96.113	-0.087	0.000	0.97		248.0
9.000		S8144	7 96.343	-0.207	0.000	0.21		16.8
9.001		S8145	7 96.117	-0.258	0.000	0.21		42.9
7.006		S8146	7 96.030	-0.060	0.000	0.83		290.3
10.000		S8165	7 95.894	-0.101	0.000	0.05		8.3
10.001		S8164	7 95.891	-0.020	0.000	0.16		27.3
7.007		S8147	7 95.888	0.008	0.000	0.72		319.2
7.008		S8150	7 95.714	0.169	0.000	1.10		321.0
7.009		S8149	8 95.496	0.130	0.000	1.84		345.0
11.000		S5037	8 95.239	-0.141	0.000	0.29		10.8
11.001		S5038	8 95.223	-0.011	0.000	0.37		22.7
11.002		S5039	8 95.214	0.059	0.000	0.33		20.3
12.000		S5040	8 95.461	0.079	0.000	1.05		40.2
7.010		S5041	8 95.205	-0.098	0.000	0.76		391.8
7.011		S5042	8 94.983	0.128	0.000	0.67		393.1
7.012		S5047	8 94.670	0.650	0.000	1.31		406.9
7.013		S8167	8 94.443	0.588	0.000	1.47		406.2
7.014	S5048 - Headwall	8 94.224	0.349	0.000	1.51			385.4
1.018	S5049 - Headwall	10 94.118	0.168	0.000	1.57			789.8
1.019	S5050 Control Chamber	51 93.384	-0.066	0.000	0.11			10.7

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	SURCHARGED
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	SURCHARGED
8.000	S8151	OK
7.004	S8162	SURCHARGED
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	SURCHARGED
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	SURCHARGED
12.000	S5040	SURCHARGED
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK

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Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	10	96.831	-0.284	0.000	0.13		25.3
2.000	S8133	10	97.481	-0.229	0.000	0.13		19.7
1.001	S8134	10	96.292	-0.258	0.000	0.38		69.0
1.002	S8141	10	96.124	-0.321	0.000	0.32		97.7
1.003	S8139	10	95.915	-0.340	0.000	0.27		103.6
1.004	S8140	10	95.581	-0.264	0.000	0.39		138.4
1.005	S4008	10	95.548	-0.078	0.000	1.00		162.5
1.006	S4011	11	95.290	-0.299	0.000	0.39		167.7
1.007	S4012	10	95.171	0.086	0.000	0.57		181.2
3.000	S8157	10	95.997	-0.308	0.000	0.07		18.7
3.001	S8159	11	95.168	-0.312	0.000	0.20		43.2
3.002	S8154	10	95.128	-0.212	0.000	0.28		81.4
3.003	S8155	10	95.111	-0.054	0.000	0.23		99.1
1.008	S5015	10	95.096	0.251	0.000	0.97		274.7
1.009	S5016	9	94.974	0.269	0.000	0.75		274.4
1.010	S5017 - PH4 Connection	9	94.859	0.384	0.000	1.43		295.3
4.000	S5018	10	95.163	-0.241	0.000	0.09		17.5
1.011	S5019	9	94.727	0.322	0.000	1.96		311.3
1.012	S5020 PH5 Connection	9	94.580	0.215	0.000	2.39		318.8
1.013	S5021	9	94.422	0.092	0.000	0.54		324.9

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000	S5023	9	94.397	-0.123	0.000	0.18		47.5
5.001	S5025	9	94.384	0.224	0.000	0.28		62.1
6.000	S5026	9	94.396	-0.196	0.000	0.17		18.8
6.001	S5027	9	94.383	0.248	0.000	0.32		42.0
5.002	S5028	9	94.371	0.355	0.000	0.63		107.3
1.014	S5029	9	94.354	0.384	0.000	1.60		422.4
1.015	S5030	9	94.276	0.349	0.000	1.67		419.1
1.016	S8121	9	94.198	0.311	0.000	1.88		432.2
1.017	S5036 - Headwall	10	94.150	-0.175	0.000	0.45		434.3
7.000	S8135	11	96.463	-0.152	0.000	0.35		49.0
7.001	S8136	11	96.442	-0.101	0.000	0.64		88.5
7.002	S8137	11	96.405	-0.069	0.000	0.92		125.0
7.003	S8161	11	96.340	-0.073	0.000	0.97		135.2
8.000	S8151	10	96.310	-0.147	0.000	0.51		37.4
7.004	S8162	11	96.252	-0.087	0.000	1.00		196.7
7.005	S8152	11	96.052	-0.148	0.000	0.86		217.9
9.000	S8144	10	96.330	-0.220	0.000	0.16		13.2
9.001	S8145	10	96.100	-0.275	0.000	0.16		32.5
7.006	S8146	11	95.908	-0.182	0.000	0.75		264.5
10.000	S8165	11	95.795	-0.200	0.000	0.04		7.1
10.001	S8164	11	95.792	-0.119	0.000	0.13		21.9
7.007	S8147	11	95.789	-0.091	0.000	0.65		290.5
7.008	S8150	11	95.646	0.101	0.000	1.01		293.2
7.009	S8149	11	95.463	0.098	0.000	1.71		320.3
11.000	S5037	11	95.228	-0.152	0.000	0.23		8.5
11.001	S5038	9	95.169	-0.064	0.000	0.29		18.0
11.002	S5039	9	95.159	0.004	0.000	0.29		18.0
12.000	S5040	11	95.320	-0.063	0.000	0.84		32.4
7.010	S5041	9	95.149	-0.154	0.000	0.72		369.2
7.011	S5042	9	94.948	0.093	0.000	0.63		369.8
7.012	S5047	9	94.655	0.635	0.000	1.21		375.9
7.013	S8167	9	94.436	0.580	0.000	1.35		372.9
7.014	S5048 - Headwall	10	94.217	0.342	0.000	1.44		365.1
1.018	S5049 - Headwall	11	94.115	0.165	0.000	1.56		784.7
1.019	S5050 Control Chamber	45	93.447	-0.003	0.000	0.12		11.4
PN	US/MH Name	Status						
5.000	S5023	OK						
5.001	S5025	SURCHARGED						
6.000	S5026	OK						
6.001	S5027	SURCHARGED						
5.002	S5028	SURCHARGED						
1.014	S5029	SURCHARGED						
1.015	S5030	SURCHARGED						

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	US/MH	
PN	Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	SURCHARGED
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK
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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	15	96.815	-0.300	0.000	0.09	16.5
2.000	S8133	15	97.468	-0.242	0.000	0.08	12.8
1.001	S8134	15	96.252	-0.298	0.000	0.25	44.8
1.002	S8141	15	96.083	-0.362	0.000	0.21	63.4
1.003	S8139	15	95.879	-0.376	0.000	0.18	68.4
1.004	S8140	15	95.503	-0.342	0.000	0.26	94.0
1.005	S4008	15	95.422	-0.204	0.000	0.69	111.8
1.006	S4011	15	95.247	-0.342	0.000	0.27	115.5
1.007	S4012	15	94.824	-0.261	0.000	0.43	136.3
3.000	S8157	15	95.983	-0.322	0.000	0.05	12.2
3.001	S8159	15	95.139	-0.341	0.000	0.13	28.2
3.002	S8154	15	94.969	-0.371	0.000	0.19	53.7
3.003	S8155	15	94.783	-0.382	0.000	0.16	71.3
1.008	S5015	15	94.746	-0.099	0.000	0.77	218.6
1.009	S5016	15	94.666	-0.039	0.000	0.59	217.0
1.010	S5017 - PH4 Connection	15	94.597	0.122	0.000	1.14	234.6
4.000	S5018	15	95.150	-0.254	0.000	0.06	11.4
1.011	S5019	15	94.507	0.102	0.000	1.57	248.4
1.012	S5020 PH5 Connection	15	94.415	0.050	0.000	1.92	255.7
1.013	S5021	15	94.239	-0.091	0.000	0.44	262.3

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000	S5023	15	94.231	-0.289	0.000	0.12		31.0
5.001	S5025	15	94.220	0.060	0.000	0.20		44.7
6.000	S5026	15	94.359	-0.233	0.000	0.11		12.2
6.001	S5027	15	94.220	0.085	0.000	0.22		29.0
5.002	S5028	15	94.208	0.191	0.000	0.46		79.0
1.014	S5029	15	94.192	0.222	0.000	1.31		344.9
1.015	S5030	15	94.138	0.211	0.000	1.36		341.8
1.016	S8121	18	94.086	0.199	0.000	1.53		352.5
1.017	S5036 - Headwall	20	94.053	-0.272	0.000	0.37		362.4
7.000	S8135	15	96.376	-0.240	0.000	0.23		32.4
7.001	S8136	15	96.350	-0.193	0.000	0.43		60.1
7.002	S8137	15	96.307	-0.167	0.000	0.63		85.9
7.003	S8161	15	96.248	-0.166	0.000	0.67		93.2
8.000	S8151	15	96.276	-0.181	0.000	0.33		24.3
7.004	S8162	15	96.167	-0.173	0.000	0.69		136.3
7.005	S8152	15	95.969	-0.231	0.000	0.59		151.3
9.000	S8144	15	96.315	-0.235	0.000	0.11		8.6
9.001	S8145	15	96.081	-0.294	0.000	0.10		21.2
7.006	S8146	15	95.836	-0.254	0.000	0.52		183.9
10.000	S8165	15	95.625	-0.370	0.000	0.03		5.1
10.001	S8164	15	95.612	-0.299	0.000	0.07		12.5
7.007	S8147	15	95.610	-0.270	0.000	0.47		209.4
7.008	S8150	15	95.474	-0.071	0.000	0.73		212.1
7.009	S8149	15	95.377	0.012	0.000	1.26		236.4
11.000	S5037	15	95.213	-0.167	0.000	0.15		5.6
11.001	S5038	15	95.077	-0.156	0.000	0.20		12.3
11.002	S5039	15	95.065	-0.091	0.000	0.20		12.5
12.000	S5040	15	95.279	-0.104	0.000	0.56		21.5
7.010	S5041	15	95.052	-0.251	0.000	0.54		275.9
7.011	S5042	15	94.588	-0.267	0.000	0.48		284.0
7.012	S5047	15	94.331	0.311	0.000	0.93		289.9
7.013	S8167	15	94.198	0.342	0.000	1.04		288.7
7.014	S5048 - Headwall	19	94.077	0.202	0.000	1.12		284.7
1.018	S5049 - Headwall	21	94.023	0.073	0.000	1.23		620.7
1.019	S5050 Control Chamber	43	93.510	0.060	0.000	0.13		11.8

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

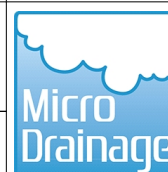
PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	OK
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	OK
1.013	S5021	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000	S5036 - Headwall	S5023	26	94.151	-0.369	0.000	0.07	19.2
5.001		S5025	31	93.978	-0.182	0.000	0.13	29.1
6.000		S5026	26	94.344	-0.248	0.000	0.07	7.5
6.001		S5027	31	93.977	-0.158	0.000	0.14	18.3
5.002		S5028	32	93.967	-0.049	0.000	0.29	49.5
1.014		S5029	32	93.954	-0.017	0.000	0.87	230.4
1.015		S5030	32	93.882	-0.045	0.000	0.92	231.2
1.016		S8121	32	93.806	-0.081	0.000	1.04	238.6
1.017		S8135	24	96.315	-0.300	0.000	0.14	20.0
7.000		S8136	23	96.282	-0.261	0.000	0.27	37.2
7.001		S8137	23	96.235	-0.239	0.000	0.39	53.3
7.002		S8161	22	96.176	-0.238	0.000	0.42	58.2
7.003		S8151	26	96.249	-0.208	0.000	0.21	15.0
8.000		S8162	22	96.096	-0.243	0.000	0.43	85.4
7.004		S8152	22	95.897	-0.303	0.000	0.37	95.1
7.005		S8144	26	96.300	-0.250	0.000	0.07	5.3
9.000		S8145	25	96.061	-0.314	0.000	0.06	13.0
7.006		S8146	22	95.772	-0.318	0.000	0.33	115.7
10.000		S8165	23	95.593	-0.402	0.000	0.02	3.2
10.001		S8164	22	95.552	-0.359	0.000	0.05	7.9
7.007		S8147	22	95.551	-0.329	0.000	0.30	131.9
7.008		S8150	21	95.287	-0.258	0.000	0.46	133.0
7.009		S8149	21	95.198	-0.168	0.000	0.79	148.2
11.000		S5037	26	95.201	-0.179	0.000	0.09	3.4
11.001		S5038	21	95.023	-0.210	0.000	0.13	7.7
11.002		S5039	21	94.998	-0.158	0.000	0.13	8.1
12.000		S5040	26	95.249	-0.134	0.000	0.34	13.3
7.010		S5041	21	94.989	-0.314	0.000	0.34	173.1
7.011		S5042	21	94.529	-0.326	0.000	0.31	179.1
7.012		S5047	32	93.880	-0.140	0.000	0.61	188.4
7.013		S8167	32	93.847	-0.009	0.000	0.68	188.1
7.014		S5048 - Headwall	32	93.816	-0.059	0.000	0.74	187.9
1.018	S5049 - Headwall	32	93.737	-0.213	0.000	0.86	434.2	
1.019	S5050 Control Chamber	38	93.571	0.121	0.000	0.13	12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

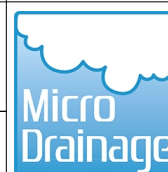
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 31	96.788	-0.327	0.000	0.04		7.6	OK
2.000		S8133 31	97.448	-0.262	0.000	0.04		5.9	OK
1.001		S8134 31	96.200	-0.350	0.000	0.11		20.7	OK
1.002		S8141 31	96.029	-0.416	0.000	0.10		29.2	OK
1.003		S8139 31	95.830	-0.425	0.000	0.08		31.2	OK
1.004		S8140 31	95.440	-0.405	0.000	0.12		43.0	OK
1.005		S4008 31	95.303	-0.323	0.000	0.31		51.1	OK
1.006		S4011 31	95.185	-0.404	0.000	0.12		52.8	OK
1.007		S4012 31	94.719	-0.366	0.000	0.20		63.5	OK
3.000		S8157 31	95.968	-0.337	0.000	0.02		5.6	OK
3.001		S8159 31	95.102	-0.378	0.000	0.06		12.9	OK
3.002		S8154 31	94.918	-0.422	0.000	0.09		24.6	OK
3.003		S8155 31	94.735	-0.430	0.000	0.08		32.7	OK
1.008		S5015 31	94.542	-0.303	0.000	0.37		105.6	OK
1.009		S5016 30	94.379	-0.326	0.000	0.29		105.7	OK
1.010	S5017 - PH4 Connection	30	94.317	-0.158	0.000	0.56		114.8	OK
4.000		S5018 31	95.136	-0.268	0.000	0.03		5.2	OK
1.011		S5019 30	94.280	-0.125	0.000	0.77		121.8	OK
1.012	S5020 PH5 Connection	30	94.242	-0.123	0.000	0.94		125.4	OK
1.013		S5021 39	93.920	-0.410	0.000	0.22		131.9	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow
5.000	S5036 - Headwall	S5023	31	94.138	-0.382	0.000	0.06	14.3
5.001		S5025	35	93.840	-0.320	0.000	0.10	22.8
6.000		S5026	31	94.336	-0.256	0.000	0.05	5.6
6.001		S5027	38	93.855	-0.280	0.000	0.11	14.1
5.002		S5028	35	93.823	-0.193	0.000	0.23	39.8
1.014		S5029	35	93.812	-0.158	0.000	0.67	176.9
1.015		S5030	35	93.765	-0.163	0.000	0.71	178.5
1.016		S8121	35	93.713	-0.174	0.000	0.80	185.0
1.017		S8135	35	93.697	-0.628	0.000	0.20	194.4
7.000		S8136	31	96.289	-0.326	0.000	0.11	14.9
7.001		S8137	31	96.252	-0.291	0.000	0.20	27.8
7.002		S8161	31	96.203	-0.271	0.000	0.29	39.7
7.003		S8151	31	96.144	-0.270	0.000	0.31	43.4
8.000		S8152	31	96.235	-0.222	0.000	0.15	11.2
7.004		S8162	31	96.065	-0.274	0.000	0.32	63.7
7.005		S8144	31	95.863	-0.337	0.000	0.28	71.0
9.000		S8145	31	96.292	-0.258	0.000	0.05	4.0
9.001		S8146	31	96.052	-0.323	0.000	0.05	9.7
7.006		S8165	31	95.741	-0.349	0.000	0.25	86.4
10.000		S8164	31	95.579	-0.416	0.000	0.01	2.4
10.001		S8147	31	95.524	-0.387	0.000	0.03	5.9
7.007		S8150	31	95.522	-0.358	0.000	0.22	98.6
7.008		S8149	30	95.236	-0.309	0.000	0.34	99.9
7.009		S5037	30	95.132	-0.233	0.000	0.60	111.7
11.000		S5038	31	95.193	-0.186	0.000	0.07	2.6
11.001	S5039	30	95.002	-0.231	0.000	0.09	5.8	
11.002	S5040	30	94.964	-0.191	0.000	0.10	6.1	
12.000	S5041	31	95.235	-0.148	0.000	0.26	9.9	
7.010	S5042	30	94.957	-0.346	0.000	0.25	130.7	
7.011	S5047	30	94.500	-0.355	0.000	0.23	134.7	
7.012	S8167	39	93.752	-0.268	0.000	0.46	142.3	
7.013	S5048 - Headwall	36	93.724	-0.131	0.000	0.51	141.9	
7.014	S5049 - Headwall	35	93.703	-0.172	0.000	0.56	142.0	
1.018	S5050 Control Chamber	41	93.648	-0.302	0.000	0.67	335.1	
1.019		35	93.603	0.153	0.000	0.13	12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	36 96.784	-0.331	0.000	0.03		6.1	OK
2.000		S8133	36 97.444	-0.266	0.000	0.03		4.7	OK
1.001		S8134	36 96.191	-0.359	0.000	0.09		16.6	OK
1.002		S8141	36 96.016	-0.429	0.000	0.08		23.5	OK
1.003		S8139	36 95.817	-0.438	0.000	0.07		25.1	OK
1.004		S8140	36 95.429	-0.416	0.000	0.10		34.6	OK
1.005		S4008	36 95.280	-0.346	0.000	0.25		41.2	OK
1.006		S4011	36 95.174	-0.415	0.000	0.10		42.6	OK
1.007		S4012	36 94.700	-0.385	0.000	0.16		51.2	OK
3.000		S8157	36 95.962	-0.343	0.000	0.02		4.5	OK
3.001		S8159	36 95.094	-0.386	0.000	0.05		10.3	OK
3.002		S8154	36 94.905	-0.435	0.000	0.07		19.7	OK
3.003		S8155	36 94.723	-0.442	0.000	0.06		26.3	OK
1.008		S5015	36 94.516	-0.329	0.000	0.30		85.1	OK
1.009		S5016	36 94.350	-0.355	0.000	0.23		85.1	OK
1.010	S5017 - PH4 Connection	36 94.261	-0.214	0.000	0.45			92.3	OK
4.000		S5018	36 95.133	-0.271	0.000	0.02		4.2	OK
1.011		S5019	36 94.222	-0.183	0.000	0.62		98.0	OK
1.012	S5020 PH5 Connection	36 94.184	-0.181	0.000	0.76			101.3	OK
1.013		S5021	42 93.899	-0.431	0.000	0.18		106.6	OK

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Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	37 94.131	-0.389	0.000	0.04		11.5
5.001		S5025	41 93.803	-0.357	0.000	0.08		18.5
6.000		S5026	36 94.331	-0.261	0.000	0.04		4.5
6.001		S5027	42 93.834	-0.301	0.000	0.09		11.3
5.002		S5028	41 93.760	-0.256	0.000	0.19		32.6
1.014		S5029	42 93.751	-0.219	0.000	0.54		143.6
1.015		S5030	41 93.707	-0.220	0.000	0.58		144.8
1.016		S8121	46 93.659	-0.228	0.000	0.65		150.3
1.017	S5036 - Headwall	47 93.643	-0.682	0.000	0.16			158.3
7.000		S8135	36 96.273	-0.342	0.000	0.09		12.0
7.001		S8136	36 96.233	-0.310	0.000	0.16		22.3
7.002		S8137	36 96.182	-0.292	0.000	0.24		32.0
7.003		S8161	36 96.123	-0.291	0.000	0.25		34.9
8.000		S8151	36 96.226	-0.231	0.000	0.12		9.0
7.004		S8162	36 96.045	-0.295	0.000	0.26		51.3
7.005		S8152	36 95.843	-0.357	0.000	0.22		57.2
9.000		S8144	36 96.288	-0.262	0.000	0.04		3.2
9.001		S8145	36 96.047	-0.328	0.000	0.04		7.8
7.006		S8146	36 95.723	-0.367	0.000	0.20		69.6
10.000		S8165	36 95.570	-0.425	0.000	0.01		1.9
10.001		S8164	36 95.506	-0.405	0.000	0.03		4.7
7.007		S8147	36 95.504	-0.376	0.000	0.18		79.4
7.008		S8150	36 95.208	-0.337	0.000	0.28		80.3
7.009		S8149	36 95.097	-0.269	0.000	0.48		89.7
11.000		S5037	36 95.189	-0.191	0.000	0.06		2.1
11.001		S5038	36 94.993	-0.240	0.000	0.08		4.6
11.002		S5039	36 94.948	-0.208	0.000	0.08		4.9
12.000		S5040	36 95.227	-0.156	0.000	0.21		8.0
7.010		S5041	36 94.939	-0.364	0.000	0.20		105.1
7.011		S5042	36 94.482	-0.373	0.000	0.19		108.5
7.012		S5047	42 93.716	-0.304	0.000	0.37		114.8
7.013		S8167	46 93.662	-0.194	0.000	0.41		114.8
7.014	S5048 - Headwall	47 93.644	-0.231	0.000	0.45			114.9
1.018	S5049 - Headwall	45 93.625	-0.325	0.000	0.54			272.4
1.019	S5050 Control Chamber	28 93.624	0.174	0.000	0.13			12.2

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

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Date 07/02/2024 11:02
File STORM PHASE 4 -
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Network 2017.1.1

Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 43	96.779	-0.336	0.000	0.02		4.5	OK
2.000		S8133 43	97.441	-0.269	0.000	0.02		3.5	OK
1.001		S8134 43	96.175	-0.375	0.000	0.07		12.1	OK
1.002		S8141 43	96.000	-0.445	0.000	0.06		17.1	OK
1.003		S8139 43	95.803	-0.452	0.000	0.05		18.3	OK
1.004		S8140 43	95.411	-0.434	0.000	0.07		25.2	OK
1.005		S4008 43	95.253	-0.373	0.000	0.18		30.0	OK
1.006		S4011 43	95.156	-0.433	0.000	0.07		31.0	OK
1.007		S4012 43	94.679	-0.406	0.000	0.12		37.4	OK
3.000		S8157 43	95.953	-0.352	0.000	0.01		3.3	OK
3.001		S8159 43	95.085	-0.395	0.000	0.04		7.5	OK
3.002		S8154 43	94.890	-0.450	0.000	0.05		14.4	OK
3.003		S8155 43	94.710	-0.455	0.000	0.04		19.2	OK
1.008		S5015 43	94.486	-0.359	0.000	0.22		62.1	OK
1.009		S5016 43	94.324	-0.381	0.000	0.17		62.1	OK
1.010	S5017 - PH4 Connection	43	94.200	-0.275	0.000	0.33		67.4	OK
4.000		S5018 43	95.125	-0.279	0.000	0.01		3.1	OK
1.011		S5019 43	94.158	-0.247	0.000	0.45		71.6	OK
1.012	S5020 PH5 Connection	45	94.120	-0.245	0.000	0.55		73.8	OK
1.013		S5021 46	93.873	-0.457	0.000	0.13		77.7	OK

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Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	44	94.123	-0.397	0.000	0.03	8.4
5.001		S5025	46	93.782	-0.378	0.000	0.06	13.5
6.000		S5026	43	94.326	-0.266	0.000	0.03	3.3
6.001		S5027	46	93.821	-0.314	0.000	0.06	8.2
5.002		S5028	46	93.690	-0.326	0.000	0.14	24.0
1.014		S5029	49	93.675	-0.295	0.000	0.40	104.9
1.015		S5030	50	93.654	-0.273	0.000	0.42	106.0
1.016		S8121	48	93.652	-0.235	0.000	0.48	110.2
1.017	S5036 - Headwall	46	93.651	-0.674	0.000	0.12		116.4
7.000		S8135	43	96.256	-0.360	0.000	0.06	8.7
7.001		S8136	43	96.210	-0.333	0.000	0.12	16.3
7.002		S8137	43	96.159	-0.315	0.000	0.17	23.3
7.003		S8161	43	96.100	-0.314	0.000	0.18	25.5
8.000		S8151	43	96.217	-0.240	0.000	0.09	6.6
7.004		S8162	43	96.021	-0.318	0.000	0.19	37.5
7.005		S8152	43	95.817	-0.383	0.000	0.16	41.8
9.000		S8144	43	96.283	-0.267	0.000	0.03	2.3
9.001		S8145	43	96.041	-0.334	0.000	0.03	5.7
7.006		S8146	43	95.697	-0.393	0.000	0.14	50.8
10.000		S8165	43	95.563	-0.432	0.000	0.01	1.4
10.001		S8164	43	95.483	-0.428	0.000	0.02	3.5
7.007		S8147	43	95.480	-0.400	0.000	0.13	58.0
7.008		S8150	43	95.179	-0.366	0.000	0.20	58.6
7.009		S8149	43	95.055	-0.311	0.000	0.35	65.6
11.000		S5037	43	95.184	-0.196	0.000	0.04	1.5
11.001		S5038	43	94.980	-0.253	0.000	0.05	3.4
11.002		S5039	43	94.926	-0.230	0.000	0.06	3.6
12.000		S5040	43	95.216	-0.167	0.000	0.15	5.8
7.010		S5041	43	94.913	-0.390	0.000	0.15	76.9
7.011		S5042	43	94.458	-0.397	0.000	0.14	79.2
7.012		S5047	47	93.680	-0.340	0.000	0.27	83.9
7.013		S8167	48	93.654	-0.202	0.000	0.30	83.8
7.014	S5048 - Headwall	46	93.652	-0.223	0.000	0.33		84.0
1.018	S5049 - Headwall	40	93.651	-0.299	0.000	0.40		199.9
1.019	S5050 Control Chamber	27	93.650	0.200	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	50 96.774	-0.341	0.000	0.02	3.6	OK	
2.000		S8133	50 97.435	-0.275	0.000	0.02	2.8	OK	
1.001		S8134	50 96.166	-0.384	0.000	0.05	9.7	OK	
1.002		S8141	50 95.991	-0.454	0.000	0.04	13.7	OK	
1.003		S8139	50 95.796	-0.459	0.000	0.04	14.6	OK	
1.004		S8140	50 95.400	-0.445	0.000	0.06	20.2	OK	
1.005		S4008	50 95.235	-0.391	0.000	0.15	24.0	OK	
1.006		S4011	50 95.144	-0.445	0.000	0.06	24.8	OK	
1.007		S4012	50 94.668	-0.417	0.000	0.09	29.8	OK	
3.000		S8157	50 95.949	-0.356	0.000	0.01	2.6	OK	
3.001		S8159	50 95.080	-0.400	0.000	0.03	6.0	OK	
3.002		S8154	50 94.882	-0.458	0.000	0.04	11.5	OK	
3.003		S8155	50 94.704	-0.461	0.000	0.04	15.3	OK	
1.008		S5015	50 94.467	-0.378	0.000	0.18	49.6	OK	
1.009		S5016	50 94.307	-0.398	0.000	0.13	49.6	OK	
1.010	S5017 - PH4 Connection	49 94.167	-0.308	0.000	0.26	53.9	OK		
4.000		S5018	50 95.121	-0.283	0.000	0.01	2.4	OK	
1.011		S5019	50 94.122	-0.283	0.000	0.36	57.3	OK	
1.012	S5020 PH5 Connection	50 94.084	-0.281	0.000	0.44	59.1	OK		
1.013		S5021	50 93.858	-0.472	0.000	0.10	62.2	OK	

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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	51 94.118	-0.402	0.000	0.03		6.7
5.001		S5025	51 93.773	-0.387	0.000	0.05		10.8
6.000		S5026	50 94.323	-0.269	0.000	0.02		2.6
6.001		S5027	51 93.814	-0.321	0.000	0.05		6.6
5.002		S5028	52 93.671	-0.345	0.000	0.11		19.2
1.014		S5029	50 93.671	-0.299	0.000	0.32		83.9
1.015		S5030	47 93.669	-0.258	0.000	0.34		84.6
1.016		S8121	44 93.667	-0.220	0.000	0.38		88.1
1.017	S5036 - Headwall	43 93.666	-0.659	0.000	0.10			93.2
7.000		S8135	50 96.243	-0.372	0.000	0.05		7.0
7.001		S8136	50 96.196	-0.347	0.000	0.09		13.0
7.002		S8137	50 96.142	-0.331	0.000	0.14		18.7
7.003		S8161	50 96.084	-0.330	0.000	0.15		20.4
8.000		S8151	50 96.209	-0.248	0.000	0.07		5.2
7.004		S8162	50 96.006	-0.334	0.000	0.15		30.0
7.005		S8152	50 95.801	-0.399	0.000	0.13		33.4
9.000		S8144	50 96.281	-0.269	0.000	0.02		1.9
9.001		S8145	50 96.038	-0.337	0.000	0.02		4.5
7.006		S8146	50 95.683	-0.407	0.000	0.12		40.6
10.000		S8165	50 95.559	-0.436	0.000	0.01		1.1
10.001		S8164	50 95.470	-0.441	0.000	0.02		2.8
7.007		S8147	50 95.468	-0.412	0.000	0.10		46.4
7.008		S8150	50 95.160	-0.385	0.000	0.16		46.9
7.009		S8149	49 95.029	-0.336	0.000	0.28		52.5
11.000		S5037	50 95.181	-0.199	0.000	0.03		1.2
11.001		S5038	50 94.974	-0.259	0.000	0.04		2.7
11.002		S5039	49 94.916	-0.240	0.000	0.05		2.9
12.000		S5040	50 95.209	-0.173	0.000	0.12		4.6
7.010		S5041	49 94.898	-0.405	0.000	0.12		61.5
7.011		S5042	49 94.445	-0.410	0.000	0.11		63.4
7.012		S5047	52 93.671	-0.349	0.000	0.22		67.1
7.013		S8167	44 93.669	-0.186	0.000	0.24		67.0
7.014	S5048 - Headwall	43 93.668	-0.207	0.000	0.26			67.1
1.018	S5049 - Headwall	37 93.667	-0.283	0.000	0.32			160.3
1.019	S5050 Control Chamber	25 93.666	0.216	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

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Date 07/02/2024 11:02
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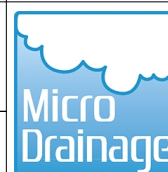
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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	54	94.115	-0.405	0.000	0.02		5.6
5.001		S5025	54	93.768	-0.392	0.000	0.04		9.1
6.000		S5026	53	94.321	-0.271	0.000	0.02		2.2
6.001		S5027	54	93.809	-0.326	0.000	0.04		5.5
5.002		S5028	50	93.678	-0.338	0.000	0.09		16.1
1.014		S5029	47	93.678	-0.292	0.000	0.27		70.6
1.015		S5030	46	93.677	-0.250	0.000	0.28		71.1
1.016		S8121	42	93.675	-0.212	0.000	0.32		73.7
1.017	S5036 - Headwall	40	93.675	-0.650	0.000	0.08		77.7	
7.000		S8135	53	96.235	-0.380	0.000	0.04		5.9
7.001		S8136	53	96.187	-0.355	0.000	0.08		10.9
7.002		S8137	53	96.132	-0.342	0.000	0.12		15.7
7.003		S8161	53	96.073	-0.341	0.000	0.12		17.1
8.000		S8151	53	96.204	-0.253	0.000	0.06		4.4
7.004		S8162	53	95.995	-0.344	0.000	0.13		25.2
7.005		S8152	53	95.790	-0.410	0.000	0.11		28.0
9.000		S8144	53	96.277	-0.273	0.000	0.02		1.6
9.001		S8145	53	96.033	-0.342	0.000	0.02		3.8
7.006		S8146	53	95.674	-0.416	0.000	0.10		34.1
10.000		S8165	53	95.557	-0.438	0.000	0.01		0.9
10.001		S8164	53	95.462	-0.449	0.000	0.01		2.3
7.007		S8147	53	95.459	-0.421	0.000	0.09		38.9
7.008		S8150	53	95.148	-0.397	0.000	0.14		39.4
7.009		S8149	53	95.012	-0.353	0.000	0.24		44.1
11.000		S5037	53	95.179	-0.200	0.000	0.03		1.0
11.001		S5038	53	94.970	-0.263	0.000	0.04		2.3
11.002		S5039	53	94.908	-0.248	0.000	0.04		2.4
12.000		S5040	53	95.205	-0.177	0.000	0.10		3.9
7.010		S5041	53	94.889	-0.414	0.000	0.10		51.7
7.011		S5042	53	94.436	-0.419	0.000	0.09		53.3
7.012		S5047	49	93.678	-0.342	0.000	0.18		56.4
7.013		S8167	42	93.677	-0.179	0.000	0.20		56.3
7.014	S5048 - Headwall	41	93.676	-0.199	0.000	0.22		56.1	
1.018	S5049 - Headwall	36	93.674	-0.276	0.000	0.26		131.9	
1.019	S5050 Control Chamber	23	93.674	0.224	0.000	0.13		12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

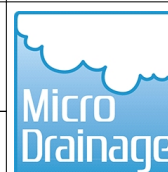
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	58 96.764	-0.351	0.000	0.01	2.6	OK	
2.000		S8133	58 97.428	-0.282	0.000	0.01	2.0	OK	
1.001		S8134	58 96.157	-0.393	0.000	0.04	7.0	OK	
1.002		S8141	58 95.981	-0.464	0.000	0.03	9.9	OK	
1.003		S8139	58 95.788	-0.467	0.000	0.03	10.6	OK	
1.004		S8140	58 95.388	-0.457	0.000	0.04	14.7	OK	
1.005		S4008	58 95.215	-0.411	0.000	0.11	17.4	OK	
1.006		S4011	58 95.132	-0.457	0.000	0.04	18.0	OK	
1.007		S4012	58 94.649	-0.436	0.000	0.07	21.7	OK	
3.000		S8157	58 95.943	-0.362	0.000	0.01	1.9	OK	
3.001		S8159	58 95.074	-0.406	0.000	0.02	4.4	OK	
3.002		S8154	58 94.874	-0.466	0.000	0.03	8.4	OK	
3.003		S8155	58 94.696	-0.469	0.000	0.03	11.1	OK	
1.008		S5015	58 94.444	-0.401	0.000	0.13	36.1	OK	
1.009		S5016	58 94.290	-0.415	0.000	0.10	36.1	OK	
1.010	S5017 - PH4 Connection	58 94.129	-0.346	0.000	0.19	39.3	OK		
4.000		S5018	58 95.116	-0.288	0.000	0.01	1.8	OK	
1.011		S5019	58 94.083	-0.322	0.000	0.26	41.7	OK	
1.012	S5020 PH5 Connection	58 94.045	-0.320	0.000	0.32	43.0	OK		
1.013		S5021	58 93.838	-0.492	0.000	0.08	45.3	OK	

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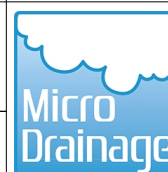
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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	58	94.110	-0.410	0.000	0.02		4.9
5.001		S5025	58	93.765	-0.395	0.000	0.04		7.9
6.000		S5026	58	94.317	-0.275	0.000	0.02		1.9
6.001		S5027	58	93.806	-0.329	0.000	0.04		4.8
5.002		S5028	48	93.678	-0.338	0.000	0.08		14.0
1.014		S5029	48	93.678	-0.292	0.000	0.23		61.2
1.015		S5030	45	93.677	-0.250	0.000	0.25		61.5
1.016		S8121	41	93.676	-0.212	0.000	0.28		63.7
1.017	S5036 - Headwall	39	93.675	-0.650	0.000	0.07		67.1	
7.000		S8135	58	96.230	-0.386	0.000	0.04		5.1
7.001		S8136	58	96.181	-0.362	0.000	0.07		9.5
7.002		S8137	58	96.125	-0.349	0.000	0.10		13.6
7.003		S8161	58	96.066	-0.348	0.000	0.11		14.8
8.000		S8151	58	96.201	-0.256	0.000	0.05		3.8
7.004		S8162	58	95.988	-0.351	0.000	0.11		21.8
7.005		S8152	58	95.783	-0.417	0.000	0.10		24.3
9.000		S8144	58	96.273	-0.277	0.000	0.02		1.3
9.001		S8145	58	96.028	-0.347	0.000	0.02		3.3
7.006		S8146	58	95.667	-0.423	0.000	0.08		29.5
10.000		S8165	58	95.555	-0.440	0.000	0.00		0.8
10.001		S8164	58	95.453	-0.458	0.000	0.01		2.0
7.007		S8147	58	95.450	-0.430	0.000	0.08		33.7
7.008		S8150	58	95.139	-0.406	0.000	0.12		34.1
7.009		S8149	58	95.001	-0.365	0.000	0.20		38.3
11.000		S5037	58	95.178	-0.202	0.000	0.02		0.9
11.001		S5038	58	94.968	-0.265	0.000	0.03		2.0
11.002		S5039	58	94.903	-0.253	0.000	0.03		2.1
12.000		S5040	58	95.202	-0.180	0.000	0.09		3.4
7.010		S5041	58	94.882	-0.421	0.000	0.09		44.8
7.011		S5042	58	94.428	-0.427	0.000	0.08		46.2
7.012		S5047	48	93.678	-0.342	0.000	0.16		48.9
7.013		S8167	41	93.677	-0.179	0.000	0.18		48.8
7.014	S5048 - Headwall	40	93.676	-0.199	0.000	0.19		48.6	
1.018	S5049 - Headwall	35	93.675	-0.275	0.000	0.22		113.1	
1.019	S5050 Control Chamber	22	93.674	0.224	0.000	0.13		12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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PN	US/MH Name	Status																																																																																							
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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000	S5023	60	94.102	-0.418	0.000	0.02		3.9
5.001	S5025	60	93.760	-0.400	0.000	0.03		6.3
6.000	S5026	60	94.312	-0.280	0.000	0.01		1.5
6.001	S5027	60	93.802	-0.333	0.000	0.03		3.8
5.002	S5028	47	93.681	-0.336	0.000	0.07		11.1
1.014	S5029	46	93.681	-0.290	0.000	0.19		48.8
1.015	S5030	44	93.679	-0.248	0.000	0.20		49.1
1.016	S8121	40	93.678	-0.209	0.000	0.22		50.8
1.017	S5036 - Headwall	38	93.678	-0.647	0.000	0.06		53.6
7.000	S8135	60	96.222	-0.393	0.000	0.03		4.1
7.001	S8136	60	96.170	-0.373	0.000	0.05		7.5
7.002	S8137	60	96.115	-0.359	0.000	0.08		10.8
7.003	S8161	60	96.056	-0.358	0.000	0.08		11.8
8.000	S8151	60	96.196	-0.261	0.000	0.04		3.0
7.004	S8162	60	95.979	-0.360	0.000	0.09		17.4
7.005	S8152	60	95.770	-0.430	0.000	0.08		19.4
9.000	S8144	60	96.269	-0.281	0.000	0.01		1.1
9.001	S8145	60	96.023	-0.352	0.000	0.01		2.6
7.006	S8146	60	95.653	-0.437	0.000	0.07		23.6
10.000	S8165	60	95.553	-0.442	0.000	0.00		0.6
10.001	S8164	60	95.443	-0.469	0.000	0.01		1.6
7.007	S8147	60	95.438	-0.442	0.000	0.06		26.9
7.008	S8150	60	95.128	-0.417	0.000	0.09		27.2
7.009	S8149	60	94.981	-0.384	0.000	0.16		30.5
11.000	S5037	60	95.175	-0.205	0.000	0.02		0.7
11.001	S5038	60	94.965	-0.268	0.000	0.03		1.6
11.002	S5039	60	94.895	-0.261	0.000	0.03		1.7
12.000	S5040	60	95.196	-0.186	0.000	0.07		2.7
7.010	S5041	60	94.868	-0.435	0.000	0.07		35.7
7.011	S5042	60	94.415	-0.440	0.000	0.06		36.9
7.012	S5047	46	93.681	-0.339	0.000	0.13		39.0
7.013	S8167	40	93.680	-0.176	0.000	0.14		39.0
7.014	S5048 - Headwall	39	93.679	-0.196	0.000	0.15		38.9
1.018	S5049 - Headwall	34	93.678	-0.272	0.000	0.18		90.2
1.019	S5050 Control Chamber	21	93.677	0.227	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Dean Court 85 Adlington Road Wilmslow SK9 1BT		
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Elstree Computing Ltd		Network 2017.1.1

Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5

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 Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

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

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

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

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	66 96.754	-0.361	0.000	0.01		1.5	OK
2.000		S8133	66 97.421	-0.289	0.000	0.01		1.2	OK
1.001		S8134	66 96.146	-0.404	0.000	0.02		4.1	OK
1.002		S8141	66 95.967	-0.478	0.000	0.02		5.8	OK
1.003		S8139	66 95.770	-0.485	0.000	0.02		6.2	OK
1.004		S8140	66 95.374	-0.471	0.000	0.02		8.5	OK
1.005		S4008	66 95.185	-0.441	0.000	0.06		10.1	OK
1.006		S4011	66 95.119	-0.470	0.000	0.02		10.4	OK
1.007		S4012	66 94.627	-0.458	0.000	0.04		12.6	OK
3.000		S8157	66 95.938	-0.367	0.000	0.00		1.1	OK
3.001		S8159	66 95.056	-0.424	0.000	0.01		2.5	OK
3.002		S8154	66 94.857	-0.483	0.000	0.02		4.8	OK
3.003		S8155	66 94.677	-0.488	0.000	0.01		6.4	OK
1.008		S5015	66 94.413	-0.432	0.000	0.07		20.9	OK
1.009		S5016	66 94.260	-0.445	0.000	0.06		20.9	OK
1.010	S5017 - PH4 Connection	66 94.081	-0.394	0.000	0.11			22.7	OK
4.000		S5018	66 95.111	-0.293	0.000	0.01		1.0	OK
1.011		S5019	66 94.031	-0.374	0.000	0.15		24.2	OK
1.012	S5020 PH5 Connection	66 93.993	-0.372	0.000	0.19			24.9	OK
1.013		S5021	66 93.810	-0.520	0.000	0.04		26.3	OK

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Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED