STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Surface Network 1

Pipe Sizes STANDARD Manhole Sizes UU

FSR Rainfall Model - England and Wales

Return Period (years)	2	Add Flow / Climate Change (%)	0
M5-60 (mm)	18.000	Minimum Backdrop Height (m)	0.200
Ratio R	0.364	Maximum Backdrop Height (m)	1.500
Maximum Rainfall (mm/hr)	0	Min Design Depth for Optimisation (m)	1.200
Maximum Time of Concentration (mins)	30	Min Vel for Auto Design only (m/s)	1.00
Foul Sewage (l/s/ha)	0.000	Min Slope for Optimisation (1:X)	500
Volumetric Runoff Coeff.	0.750		

Designed with Level Soffits

Network Design Table for Surface Network 1

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
1.000	25.835	0.323	80.0	0.045	5.00	0.0	0.600	o	300	
1.001	37.169	0.310	120.0	0.126	0.00	0.0	0.600	o	300	
1.002	13.180	0.066	200.0	0.105	0.00	0.0	0.600	o	300	
1.003	3.176	0.016	200.0	0.038	0.00	0.0	0.600	o	300	
1.004	35.864	0.179	200.0	0.051	0.00	0.0	0.600	o	300	
1.005	22.190	0.111	200.0	0.000	0.00	0.0	0.600	o	300	
1.006	28.810	0.295	97.7	0.022	0.00	0.0	0.600	o	150	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	0.00	5.24	33.800	0.045	0.0	0.0	0.0	1.76	124.4	0.0
1.001	0.00	5.68	33.477	0.171	0.0	0.0	0.0	1.43	101.4	0.0
1.002	0.00	5.87	33.167	0.276	0.0	0.0	0.0	1.11	78.3	0.0
1.003	0.00	5.92	33.101	0.314	0.0	0.0	0.0	1.11	78.3	0.0
1.004	0.00	6.46	33.086	0.365	0.0	0.0	0.0	1.11	78.3	0.0
1.005	0.00	6.80	32.906	0.365	0.0	0.0	0.0	1.11	78.3	0.0
1.006	0.00	7.27	32.795	0.387	0.0	0.0	0.0	1.02	18.0	0.0

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Area Summary for Surface Network 1

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	-	-	100	0.045	0.045	0.045
1.001	-	-	100	0.126	0.126	0.126
1.002	-	-	100	0.105	0.105	0.105
1.003	-	-	100	0.038	0.038	0.038
1.004	-	-	100	0.051	0.051	0.051
1.005	-	-	100	0.000	0.000	0.000
1.006	User	-	100	0.022	0.022	0.022
				Total	Total	Total
				0.387	0.387	0.387

Free Flowing Outfall Details for Surface Network 1

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.006	S9	34.290	32.500	0.000	0	0

Simulation Criteria for Surface Network 1

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	2.000
Hot Start (mins)	0	Inlet Coeffiecient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

Number of Input Hydrographs	0	Number of 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	Profile Type	Summer
Return Period (years)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	18.000	Storm Duration (mins)	30
Ratio R	0.364		

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Online Controls for Surface Network 1

Hydro-Brake Optimum® Manhole: S7, DS/PN: 1.006, Volume (m³): 6.4

Unit Reference	MD-SHE-0124-7000-1005-7000
Design Head (m)	1.005
Design Flow (l/s)	7.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Diameter (mm)	124
Invert Level (m)	32.795
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	**Head (m)**	**Flow (l/s)**
Design Point (Calculated)	1.005	7.0
Flush-Flo™	0.301	7.0
Kick-Flo®	0.659	5.7
Mean Flow over Head Range	-	6.0

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	4.4	1.200	7.6	3.000	11.7	7.000	17.5
0.200	6.8	1.400	8.2	3.500	12.6	7.500	18.1
0.300	7.0	1.600	8.7	4.000	13.4	8.000	18.7
0.400	6.9	1.800	9.2	4.500	14.2	8.500	19.2
0.500	6.7	2.000	9.7	5.000	14.9	9.000	19.8
0.600	6.3	2.200	10.1	5.500	15.6	9.500	20.3
0.800	6.3	2.400	10.5	6.000	16.3		
1.000	7.0	2.600	10.9	6.500	16.9		

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Storage Structures for Surface Network 1

Cellular Storage Manhole: S6, DS/PN: 1.005

Invert Level (m) 33.000 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.00000

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	180.0	180.0	0.801	0.0	223.0
0.800	180.0	222.9			

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Summary Wizard of 15 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	19	33.848	-0.252	0.000	0.06	0.0	6.7	OK
1.001	S2	28	33.577	-0.200	0.000	0.24	0.0	22.2	OK
1.002	S3	33	33.338	-0.130	0.000	0.55	0.0	35.1	OK
1.003	S4	36	33.302	-0.099	0.000	0.78	0.0	39.6	OK
1.004	S5	39	33.259	-0.126	0.000	0.62	0.0	44.8	OK
1.005	S6	54	33.092	-0.114	0.000	0.16	0.0	11.0	OK
1.006	S7	55	33.086	0.140	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 30 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	21	33.845	-0.255	0.000	0.05	0.0	6.1	OK
1.001	S2	30	33.573	-0.204	0.000	0.22	0.0	20.9	OK
1.002	S3	35	33.331	-0.137	0.000	0.51	0.0	32.9	OK
1.003	S4	37	33.295	-0.107	0.000	0.74	0.0	37.4	OK
1.004	S5	40	33.253	-0.133	0.000	0.59	0.0	42.5	OK
1.005	S6	50	33.110	-0.096	0.000	0.13	0.0	9.1	OK
1.006	S7	50	33.103	0.158	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	25	33.839	-0.261	0.000	0.04	0.0	4.5	OK
1.001	S2	34	33.561	-0.216	0.000	0.17	0.0	16.2	OK
1.002	S3	40	33.305	-0.163	0.000	0.40	0.0	26.0	OK
1.003	S4	42	33.266	-0.136	0.000	0.58	0.0	29.5	OK
1.004	S5	43	33.231	-0.155	0.000	0.47	0.0	33.9	OK
1.005	S6	49	33.113	-0.094	0.000	0.12	0.0	8.3	OK
1.006	S7	49	33.109	0.164	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	34	33.833	-0.267	0.000	0.03	0.0	3.0	OK
1.001	S2	39	33.546	-0.231	0.000	0.12	0.0	11.2	OK
1.002	S3	43	33.277	-0.190	0.000	0.28	0.0	18.0	OK
1.003	S4	45	33.235	-0.166	0.000	0.40	0.0	20.4	OK
1.004	S5	47	33.205	-0.181	0.000	0.32	0.0	23.3	OK
1.005	S6	52	33.104	-0.102	0.000	0.10	0.0	7.2	OK
1.006	S7	53	33.101	0.155	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 180 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	40	33.830	-0.270	0.000	0.02	0.0	2.4	OK
1.001	S2	42	33.539	-0.238	0.000	0.09	0.0	8.9	OK
1.002	S3	46	33.263	-0.204	0.000	0.22	0.0	14.2	OK
1.003	S4	47	33.219	-0.183	0.000	0.32	0.0	16.0	OK
1.004	S5	50	33.190	-0.196	0.000	0.26	0.0	18.7	OK
1.005	S6	55	33.091	-0.115	0.000	0.11	0.0	7.9	OK
1.006	S7	54	33.087	0.142	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 240 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	46	33.825	-0.275	0.000	0.02	0.0	2.0	OK
1.001	S2	47	33.533	-0.244	0.000	0.08	0.0	7.4	OK
1.002	S3	49	33.255	-0.213	0.000	0.19	0.0	11.9	OK
1.003	S4	50	33.207	-0.194	0.000	0.27	0.0	13.6	OK
1.004	S5	52	33.181	-0.205	0.000	0.22	0.0	15.6	OK
1.005	S6	57	33.078	-0.128	0.000	0.11	0.0	7.5	OK
1.006	S7	58	33.075	0.129	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 360 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	53	33.819	-0.281	0.000	0.01	0.0	1.5	OK
1.001	S2	53	33.524	-0.253	0.000	0.06	0.0	5.6	OK
1.002	S3	54	33.242	-0.226	0.000	0.14	0.0	9.0	OK
1.003	S4	55	33.193	-0.209	0.000	0.20	0.0	10.3	OK
1.004	S5	56	33.167	-0.219	0.000	0.16	0.0	11.9	OK
1.005	S6	61	33.053	-0.153	0.000	0.11	0.0	7.9	OK
1.006	S7	61	33.066	0.121	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	59	33.815	-0.285	0.000	0.01	0.0	1.2	OK
1.001	S2	59	33.519	-0.258	0.000	0.05	0.0	4.6	OK
1.002	S3	59	33.234	-0.233	0.000	0.11	0.0	7.4	OK
1.003	S4	59	33.183	-0.219	0.000	0.17	0.0	8.4	OK
1.004	S5	59	33.158	-0.227	0.000	0.13	0.0	9.7	OK
1.005	S6	64	33.032	-0.174	0.000	0.10	0.0	6.8	OK
1.006	S7	64	33.027	0.082	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 600 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	62	33.813	-0.287	0.000	0.01	0.0	1.0	OK
1.001	S2	62	33.516	-0.261	0.000	0.04	0.0	3.9	OK
1.002	S3	62	33.230	-0.238	0.000	0.10	0.0	6.3	OK
1.003	S4	62	33.176	-0.226	0.000	0.14	0.0	7.1	OK
1.004	S5	62	33.153	-0.233	0.000	0.11	0.0	8.3	OK
1.005	S6	66	33.016	-0.191	0.000	0.10	0.0	6.8	OK
1.006	S7	66	33.016	0.070	0.000	0.40	0.0	6.8	SURCHARGED

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Summary Wizard of 720 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	67	33.811	-0.289	0.000	0.01	0.0	0.9	OK
1.001	S2	67	33.514	-0.263	0.000	0.04	0.0	3.4	OK
1.002	S3	67	33.226	-0.241	0.000	0.09	0.0	5.5	OK
1.003	S4	67	33.171	-0.230	0.000	0.12	0.0	6.3	OK
1.004	S5	67	33.149	-0.237	0.000	0.10	0.0	7.3	OK
1.005	S6	68	33.005	-0.201	0.000	0.10	0.0	6.7	OK
1.006	S7	68	32.996	0.051	0.000	0.39	0.0	6.8	SURCHARGED

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Summary Wizard of 960 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	72	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	72	33.511	-0.266	0.000	0.03	0.0	2.8	OK
1.002	S3	71	33.219	-0.248	0.000	0.07	0.0	4.5	OK
1.003	S4	71	33.165	-0.237	0.000	0.10	0.0	5.1	OK
1.004	S5	71	33.143	-0.243	0.000	0.08	0.0	5.9	OK
1.005	S6	71	32.972	-0.234	0.000	0.09	0.0	5.9	OK
1.006	S7	72	32.934	-0.012	0.000	0.36	0.0	6.3	OK

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Summary Wizard of 1440 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	78	33.807	-0.293	0.000	0.00	0.0	0.5	OK
1.001	S2	78	33.507	-0.270	0.000	0.02	0.0	2.1	OK
1.002	S3	78	33.211	-0.256	0.000	0.05	0.0	3.3	OK
1.003	S4	78	33.155	-0.246	0.000	0.07	0.0	3.8	OK
1.004	S5	78	33.133	-0.252	0.000	0.06	0.0	4.4	OK
1.005	S6	78	32.957	-0.250	0.000	0.06	0.0	4.4	OK
1.006	S7	78	32.900	-0.045	0.000	0.27	0.0	4.7	OK

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Summary Wizard of 2160 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	86	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	86	33.501	-0.276	0.000	0.02	0.0	1.6	OK
1.002	S3	86	33.206	-0.262	0.000	0.04	0.0	2.6	OK
1.003	S4	86	33.148	-0.254	0.000	0.06	0.0	2.9	OK
1.004	S5	86	33.127	-0.259	0.000	0.05	0.0	3.4	OK
1.005	S6	86	32.949	-0.258	0.000	0.05	0.0	3.4	OK
1.006	S7	86	32.882	-0.063	0.000	0.21	0.0	3.6	OK

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Summary Wizard of 2880 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	91	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	91	33.497	-0.280	0.000	0.01	0.0	1.3	OK
1.002	S3	91	33.202	-0.265	0.000	0.03	0.0	2.1	OK
1.003	S4	91	33.143	-0.258	0.000	0.05	0.0	2.4	OK
1.004	S5	91	33.123	-0.262	0.000	0.04	0.0	2.8	OK
1.005	S6	91	32.945	-0.262	0.000	0.04	0.0	2.8	OK
1.006	S7	91	32.872	-0.074	0.000	0.17	0.0	2.9	OK

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Summary Wizard of 4320 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	98	33.803	-0.297	0.000	0.00	0.0	0.3	OK
1.001	S2	98	33.492	-0.285	0.000	0.01	0.0	1.0	OK
1.002	S3	98	33.199	-0.269	0.000	0.02	0.0	1.6	OK
1.003	S4	98	33.138	-0.264	0.000	0.04	0.0	1.8	OK
1.004	S5	98	33.119	-0.267	0.000	0.03	0.0	2.1	OK
1.005	S6	98	32.940	-0.266	0.000	0.03	0.0	2.1	OK
1.006	S7	98	32.860	-0.086	0.000	0.13	0.0	2.2	OK

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Summary Wizard of 5760 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	103	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	103	33.489	-0.288	0.000	0.01	0.0	0.8	OK
1.002	S3	103	33.195	-0.272	0.000	0.02	0.0	1.3	OK
1.003	S4	103	33.135	-0.267	0.000	0.03	0.0	1.4	OK
1.004	S5	103	33.117	-0.269	0.000	0.02	0.0	1.7	OK
1.005	S6	103	32.938	-0.269	0.000	0.02	0.0	1.7	OK
1.006	S7	103	32.852	-0.093	0.000	0.10	0.0	1.8	OK

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Summary Wizard of 7200 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	107	33.802	-0.298	0.000	0.00	0.0	0.2	OK
1.001	S2	107	33.487	-0.290	0.000	0.01	0.0	0.7	OK
1.002	S3	107	33.191	-0.276	0.000	0.02	0.0	1.1	OK
1.003	S4	107	33.133	-0.269	0.000	0.02	0.0	1.2	OK
1.004	S5	107	33.114	-0.272	0.000	0.02	0.0	1.4	OK
1.005	S6	107	32.936	-0.271	0.000	0.02	0.0	1.4	OK
1.006	S7	107	32.847	-0.098	0.000	0.09	0.0	1.5	OK

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Summary Wizard of 8640 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	109	33.802	-0.298	0.000	0.00	0.0	0.2	OK
1.001	S2	109	33.486	-0.291	0.000	0.01	0.0	0.6	OK
1.002	S3	109	33.188	-0.279	0.000	0.01	0.0	1.0	OK
1.003	S4	109	33.132	-0.270	0.000	0.02	0.0	1.1	OK
1.004	S5	109	33.110	-0.275	0.000	0.02	0.0	1.3	OK
1.005	S6	109	32.932	-0.274	0.000	0.02	0.0	1.3	OK
1.006	S7	109	32.844	-0.101	0.000	0.08	0.0	1.3	OK

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Summary Wizard of 10080 minute 2 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	111	33.802	-0.298	0.000	0.00	0.0	0.1	OK
1.001	S2	111	33.485	-0.292	0.000	0.01	0.0	0.5	OK
1.002	S3	111	33.186	-0.281	0.000	0.01	0.0	0.9	OK
1.003	S4	111	33.129	-0.273	0.000	0.02	0.0	1.0	OK
1.004	S5	111	33.108	-0.278	0.000	0.02	0.0	1.1	OK
1.005	S6	111	32.929	-0.277	0.000	0.02	0.0	1.1	OK
1.006	S7	111	32.841	-0.104	0.000	0.07	0.0	1.2	OK

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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	12	33.867	-0.233	0.000	0.11	0.0	12.6	OK
1.001	S2	14	33.801	0.024	0.000	0.48	0.0	45.1	SURCHARGED
1.002	S3	16	33.693	0.226	0.000	1.07	0.0	69.0	SURCHARGED
1.003	S4	20	33.608	0.207	0.000	1.57	0.0	79.5	SURCHARGED
1.004	S5	24	33.502	0.116	0.000	1.27	0.0	91.7	SURCHARGED
1.005	S6	39	33.212	0.006	0.000	0.19	0.0	12.9	SURCHARGED
1.006	S7	41	33.213	0.268	0.000	0.40	0.0	6.9	SURCHARGED

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

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	13	33.864	-0.236	0.000	0.10	0.0	11.6	OK
1.001	S2	17	33.699	-0.078	0.000	0.46	0.0	43.4	OK
1.002	S3	20	33.638	0.171	0.000	1.02	0.0	65.8	SURCHARGED
1.003	S4	23	33.554	0.152	0.000	1.47	0.0	74.6	SURCHARGED
1.004	S5	25	33.461	0.076	0.000	1.20	0.0	86.3	SURCHARGED
1.005	S6	34	33.265	0.059	0.000	0.16	0.0	10.9	SURCHARGED
1.006	S7	37	33.261	0.315	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	15	33.855	-0.245	0.000	0.08	0.0	8.5	OK
1.001	S2	24	33.602	-0.175	0.000	0.35	0.0	32.7	OK
1.002	S3	26	33.527	0.060	0.000	0.77	0.0	49.4	SURCHARGED
1.003	S4	27	33.444	0.042	0.000	1.10	0.0	55.6	SURCHARGED
1.004	S5	32	33.317	-0.069	0.000	0.87	0.0	62.6	OK
1.005	S6	30	33.296	0.089	0.000	0.12	0.0	7.9	SURCHARGED
1.006	S7	29	33.312	0.367	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	22	33.843	-0.257	0.000	0.05	0.0	5.6	OK
1.001	S2	29	33.574	-0.203	0.000	0.23	0.0	21.4	OK
1.002	S3	34	33.336	-0.131	0.000	0.54	0.0	34.6	OK
1.003	S4	35	33.302	-0.099	0.000	0.78	0.0	39.3	OK
1.004	S5	34	33.301	-0.085	0.000	0.63	0.0	45.6	OK
1.005	S6	31	33.292	0.085	0.000	0.10	0.0	7.2	SURCHARGED
1.006	S7	33	33.296	0.351	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	26	33.839	-0.261	0.000	0.04	0.0	4.5	OK
1.001	S2	32	33.563	-0.214	0.000	0.18	0.0	17.0	OK
1.002	S3	39	33.311	-0.157	0.000	0.42	0.0	27.3	OK
1.003	S4	38	33.294	-0.107	0.000	0.61	0.0	30.9	OK
1.004	S5	35	33.292	-0.093	0.000	0.50	0.0	35.8	OK
1.005	S6	32	33.284	0.078	0.000	0.11	0.0	7.5	SURCHARGED
1.006	S7	28	33.313	0.368	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	30	33.835	-0.265	0.000	0.03	0.0	3.6	OK
1.001	S2	35	33.554	-0.224	0.000	0.15	0.0	13.9	OK
1.002	S3	41	33.292	-0.175	0.000	0.35	0.0	22.4	OK
1.003	S4	40	33.279	-0.123	0.000	0.50	0.0	25.4	OK
1.004	S5	36	33.277	-0.109	0.000	0.41	0.0	29.6	OK
1.005	S6	33	33.268	0.062	0.000	0.11	0.0	7.3	SURCHARGED
1.006	S7	36	33.271	0.326	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 360 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	38	33.831	-0.269	0.000	0.02	0.0	2.7	OK
1.001	S2	41	33.543	-0.234	0.000	0.11	0.0	10.2	OK
1.002	S3	45	33.271	-0.197	0.000	0.26	0.0	16.5	OK
1.003	S4	44	33.251	-0.151	0.000	0.37	0.0	18.8	OK
1.004	S5	41	33.249	-0.136	0.000	0.30	0.0	21.8	OK
1.005	S6	37	33.241	0.035	0.000	0.10	0.0	7.2	SURCHARGED
1.006	S7	38	33.247	0.302	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	43	33.828	-0.272	0.000	0.02	0.0	2.2	OK
1.001	S2	45	33.537	-0.240	0.000	0.09	0.0	8.2	OK
1.002	S3	48	33.259	-0.208	0.000	0.21	0.0	13.3	OK
1.003	S4	49	33.218	-0.184	0.000	0.30	0.0	15.1	OK
1.004	S5	46	33.216	-0.169	0.000	0.24	0.0	17.6	OK
1.005	S6	40	33.207	0.001	0.000	0.10	0.0	6.8	SURCHARGED
1.006	S7	39	33.243	0.298	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	47	33.823	-0.277	0.000	0.02	0.0	1.8	OK
1.001	S2	48	33.531	-0.246	0.000	0.07	0.0	7.0	OK
1.002	S3	50	33.251	-0.216	0.000	0.17	0.0	11.2	OK
1.003	S4	51	33.203	-0.198	0.000	0.25	0.0	12.8	OK
1.004	S5	48	33.192	-0.193	0.000	0.21	0.0	14.9	OK
1.005	S6	41	33.188	-0.019	0.000	0.10	0.0	7.1	OK
1.006	S7	26	33.319	0.374	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	52	33.820	-0.280	0.000	0.01	0.0	1.6	OK
1.001	S2	52	33.526	-0.251	0.000	0.06	0.0	6.1	OK
1.002	S3	53	33.245	-0.222	0.000	0.15	0.0	9.8	OK
1.003	S4	53	33.196	-0.205	0.000	0.22	0.0	11.1	OK
1.004	S5	55	33.171	-0.215	0.000	0.18	0.0	12.9	OK
1.005	S6	44	33.143	-0.063	0.000	0.10	0.0	6.7	OK
1.006	S7	45	33.146	0.201	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	56	33.816	-0.284	0.000	0.01	0.0	1.3	OK
1.001	S2	56	33.521	-0.256	0.000	0.05	0.0	4.9	OK
1.002	S3	57	33.237	-0.231	0.000	0.12	0.0	7.9	OK
1.003	S4	58	33.186	-0.216	0.000	0.18	0.0	9.0	OK
1.004	S5	58	33.161	-0.225	0.000	0.14	0.0	10.4	OK
1.005	S6	56	33.087	-0.119	0.000	0.10	0.0	6.9	OK
1.006	S7	56	33.083	0.137	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	65	33.812	-0.288	0.000	0.01	0.0	0.9	OK
1.001	S2	65	33.515	-0.262	0.000	0.04	0.0	3.6	OK
1.002	S3	65	33.228	-0.240	0.000	0.09	0.0	5.8	OK
1.003	S4	65	33.173	-0.229	0.000	0.13	0.0	6.6	OK
1.004	S5	65	33.150	-0.235	0.000	0.11	0.0	7.6	OK
1.005	S6	65	33.032	-0.175	0.000	0.09	0.0	6.5	OK
1.006	S7	62	33.062	0.117	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 2160 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	73	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	73	33.510	-0.267	0.000	0.03	0.0	2.7	OK
1.002	S3	73	33.218	-0.249	0.000	0.07	0.0	4.3	OK
1.003	S4	73	33.164	-0.237	0.000	0.10	0.0	4.9	OK
1.004	S5	73	33.142	-0.244	0.000	0.08	0.0	5.8	OK
1.005	S6	73	32.970	-0.236	0.000	0.08	0.0	5.8	OK
1.006	S7	73	32.930	-0.015	0.000	0.35	0.0	6.1	OK

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Summary Wizard of 2880 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	77	33.807	-0.293	0.000	0.01	0.0	0.6	OK
1.001	S2	77	33.508	-0.269	0.000	0.02	0.0	2.2	OK
1.002	S3	77	33.212	-0.255	0.000	0.05	0.0	3.5	OK
1.003	S4	77	33.157	-0.244	0.000	0.08	0.0	4.0	OK
1.004	S5	77	33.135	-0.251	0.000	0.06	0.0	4.7	OK
1.005	S6	77	32.959	-0.247	0.000	0.07	0.0	4.7	OK
1.006	S7	77	32.905	-0.040	0.000	0.29	0.0	4.9	OK

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Summary Wizard of 4320 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	83	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	83	33.501	-0.276	0.000	0.02	0.0	1.6	OK
1.002	S3	83	33.206	-0.262	0.000	0.04	0.0	2.6	OK
1.003	S4	83	33.148	-0.254	0.000	0.06	0.0	2.9	OK
1.004	S5	84	33.127	-0.258	0.000	0.05	0.0	3.4	OK
1.005	S6	83	32.949	-0.257	0.000	0.05	0.0	3.4	OK
1.006	S7	83	32.882	-0.063	0.000	0.21	0.0	3.6	OK

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Summary Wizard of 5760 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	92	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	92	33.496	-0.281	0.000	0.01	0.0	1.3	OK
1.002	S3	92	33.202	-0.265	0.000	0.03	0.0	2.1	OK
1.003	S4	92	33.143	-0.259	0.000	0.05	0.0	2.3	OK
1.004	S5	92	33.123	-0.263	0.000	0.04	0.0	2.7	OK
1.005	S6	92	32.944	-0.262	0.000	0.04	0.0	2.7	OK
1.006	S7	92	32.871	-0.074	0.000	0.17	0.0	2.9	OK

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Summary Wizard of 7200 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	96	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	96	33.493	-0.284	0.000	0.01	0.0	1.1	OK
1.002	S3	96	33.200	-0.267	0.000	0.03	0.0	1.7	OK
1.003	S4	96	33.139	-0.262	0.000	0.04	0.0	2.0	OK
1.004	S5	96	33.120	-0.265	0.000	0.03	0.0	2.3	OK
1.005	S6	96	32.942	-0.265	0.000	0.03	0.0	2.3	OK
1.006	S7	96	32.864	-0.082	0.000	0.14	0.0	2.4	OK

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Summary Wizard of 8640 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	100	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	100	33.491	-0.286	0.000	0.01	0.0	0.9	OK
1.002	S3	100	33.198	-0.269	0.000	0.02	0.0	1.5	OK
1.003	S4	100	33.137	-0.264	0.000	0.03	0.0	1.7	OK
1.004	S5	100	33.118	-0.267	0.000	0.03	0.0	2.0	OK
1.005	S6	100	32.940	-0.267	0.000	0.03	0.0	2.0	OK
1.006	S7	100	32.858	-0.087	0.000	0.12	0.0	2.1	OK

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Summary Wizard of 10080 minute 30 year Summer I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	102	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	102	33.490	-0.287	0.000	0.01	0.0	0.8	OK
1.002	S3	102	33.197	-0.271	0.000	0.02	0.0	1.3	OK
1.003	S4	102	33.135	-0.266	0.000	0.03	0.0	1.5	OK
1.004	S5	102	33.117	-0.269	0.000	0.02	0.0	1.8	OK
1.005	S6	102	32.938	-0.268	0.000	0.03	0.0	1.8	OK
1.006	S7	102	32.854	-0.091	0.000	0.11	0.0	1.9	OK

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Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	2	34.938	0.838	0.000	0.22	0.0	24.5	FLOOD RISK
1.001	S2	2	34.915	1.138	0.000	0.81	0.0	76.0	FLOOD RISK
1.002	S3	2	34.700	1.233	0.000	1.91	0.0	122.9	FLOOD RISK
1.003	S4	2	34.451	1.050	0.000	2.76	0.0	139.8	FLOOD RISK
1.004	S5	4	34.131	0.746	0.000	2.20	0.0	158.6	SURCHARGED
1.005	S6	22	33.412	0.206	0.000	0.19	0.0	13.4	SURCHARGED
1.006	S7	23	33.408	0.463	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	3	34.737	0.637	0.000	0.18	0.0	20.5	FLOOD RISK
1.001	S2	3	34.717	0.940	0.000	0.76	0.0	71.0	SURCHARGED
1.002	S3	3	34.535	1.068	0.000	1.77	0.0	114.0	SURCHARGED
1.003	S4	3	34.319	0.917	0.000	2.56	0.0	129.8	SURCHARGED
1.004	S5	5	34.041	0.656	0.000	2.07	0.0	149.4	SURCHARGED
1.005	S6	18	33.541	0.335	0.000	0.19	0.0	13.2	SURCHARGED
1.006	S7	17	33.537	0.591	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	7	34.227	0.127	0.000	0.13	0.0	14.3	SURCHARGED
1.001	S2	7	34.211	0.434	0.000	0.58	0.0	53.9	SURCHARGED
1.002	S3	7	34.088	0.620	0.000	1.36	0.0	87.2	SURCHARGED
1.003	S4	8	33.967	0.566	0.000	1.96	0.0	99.1	SURCHARGED
1.004	S5	8	33.811	0.425	0.000	1.58	0.0	114.3	SURCHARGED
1.005	S6	11	33.651	0.445	0.000	0.16	0.0	11.0	SURCHARGED
1.006	S7	10	33.670	0.725	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	10	33.888	-0.212	0.000	0.09	0.0	10.2	OK
1.001	S2	10	33.874	0.097	0.000	0.38	0.0	35.7	SURCHARGED
1.002	S3	10	33.834	0.367	0.000	0.88	0.0	56.6	SURCHARGED
1.003	S4	12	33.764	0.363	0.000	1.28	0.0	65.1	SURCHARGED
1.004	S5	12	33.725	0.340	0.000	1.05	0.0	76.0	SURCHARGED
1.005	S6	7	33.715	0.509	0.000	0.11	0.0	7.8	SURCHARGED
1.006	S7	4	33.745	0.800	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	16	33.854	-0.246	0.000	0.07	0.0	8.2	OK
1.001	S2	11	33.829	0.052	0.000	0.31	0.0	29.4	SURCHARGED
1.002	S3	11	33.810	0.343	0.000	0.71	0.0	45.6	SURCHARGED
1.003	S4	13	33.737	0.336	0.000	1.02	0.0	51.9	SURCHARGED
1.004	S5	13	33.715	0.330	0.000	0.83	0.0	60.1	SURCHARGED
1.005	S6	8	33.707	0.501	0.000	0.11	0.0	7.9	SURCHARGED
1.006	S7	6	33.736	0.790	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	20	33.847	-0.253	0.000	0.06	0.0	6.7	OK
1.001	S2	15	33.793	0.016	0.000	0.26	0.0	24.7	SURCHARGED
1.002	S3	14	33.775	0.308	0.000	0.59	0.0	37.9	SURCHARGED
1.003	S4	14	33.710	0.309	0.000	0.86	0.0	43.4	SURCHARGED
1.004	S5	14	33.696	0.311	0.000	0.68	0.0	49.1	SURCHARGED
1.005	S6	9	33.688	0.482	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	8	33.718	0.773	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	24	33.840	-0.260	0.000	0.04	0.0	4.9	OK
1.001	S2	18	33.697	-0.080	0.000	0.20	0.0	18.4	OK
1.002	S3	18	33.679	0.212	0.000	0.42	0.0	26.8	SURCHARGED
1.003	S4	17	33.649	0.248	0.000	0.59	0.0	29.7	SURCHARGED
1.004	S5	17	33.647	0.262	0.000	0.49	0.0	35.4	SURCHARGED
1.005	S6	13	33.639	0.433	0.000	0.11	0.0	7.5	SURCHARGED
1.006	S7	12	33.647	0.702	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	28	33.836	-0.264	0.000	0.04	0.0	3.9	OK
1.001	S2	20	33.666	-0.111	0.000	0.16	0.0	14.8	OK
1.002	S3	19	33.663	0.196	0.000	0.35	0.0	22.6	SURCHARGED
1.003	S4	16	33.660	0.259	0.000	0.49	0.0	25.0	SURCHARGED
1.004	S5	16	33.659	0.273	0.000	0.40	0.0	29.0	SURCHARGED
1.005	S6	12	33.651	0.445	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	15	33.566	0.620	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 600 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	33	33.834	-0.266	0.000	0.03	0.0	3.3	OK
1.001	S2	23	33.606	-0.172	0.000	0.13	0.0	12.6	OK
1.002	S3	22	33.601	0.133	0.000	0.30	0.0	19.5	SURCHARGED
1.003	S4	21	33.596	0.195	0.000	0.43	0.0	21.6	SURCHARGED
1.004	S5	19	33.595	0.209	0.000	0.35	0.0	25.0	SURCHARGED
1.005	S6	16	33.587	0.380	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	18	33.530	0.584	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 720 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	36	33.832	-0.268	0.000	0.03	0.0	2.9	OK
1.001	S2	27	33.579	-0.198	0.000	0.12	0.0	10.9	OK
1.002	S3	24	33.575	0.108	0.000	0.27	0.0	17.2	SURCHARGED
1.003	S4	22	33.571	0.170	0.000	0.38	0.0	19.2	SURCHARGED
1.004	S5	20	33.570	0.184	0.000	0.31	0.0	22.1	SURCHARGED
1.005	S6	17	33.561	0.355	0.000	0.10	0.0	6.7	SURCHARGED
1.006	S7	19	33.507	0.562	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	42	33.829	-0.271	0.000	0.02	0.0	2.3	OK
1.001	S2	44	33.538	-0.239	0.000	0.09	0.0	8.7	OK
1.002	S3	27	33.514	0.046	0.000	0.22	0.0	13.9	SURCHARGED
1.003	S4	25	33.510	0.109	0.000	0.31	0.0	15.7	SURCHARGED
1.004	S5	23	33.509	0.123	0.000	0.25	0.0	18.1	SURCHARGED
1.005	S6	20	33.501	0.295	0.000	0.10	0.0	6.6	SURCHARGED
1.006	S7	20	33.476	0.531	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	50	33.821	-0.279	0.000	0.02	0.0	1.7	OK
1.001	S2	50	33.528	-0.249	0.000	0.07	0.0	6.4	OK
1.002	S3	29	33.384	-0.083	0.000	0.16	0.0	10.3	OK
1.003	S4	29	33.380	-0.022	0.000	0.23	0.0	11.6	OK
1.004	S5	27	33.379	-0.007	0.000	0.19	0.0	13.4	OK
1.005	S6	23	33.371	0.165	0.000	0.10	0.0	6.7	SURCHARGED
1.006	S7	31	33.301	0.356	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 2160 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	57	33.816	-0.284	0.000	0.01	0.0	1.3	OK
1.001	S2	57	33.520	-0.257	0.000	0.05	0.0	4.8	OK
1.002	S3	58	33.236	-0.231	0.000	0.12	0.0	7.7	OK
1.003	S4	54	33.194	-0.207	0.000	0.17	0.0	8.7	OK
1.004	S5	49	33.191	-0.194	0.000	0.14	0.0	10.2	OK
1.005	S6	42	33.182	-0.024	0.000	0.10	0.0	7.2	OK
1.006	S7	16	33.544	0.598	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 2880 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	63	33.813	-0.287	0.000	0.01	0.0	1.0	OK
1.001	S2	63	33.516	-0.261	0.000	0.04	0.0	3.8	OK
1.002	S3	63	33.229	-0.238	0.000	0.10	0.0	6.2	OK
1.003	S4	63	33.175	-0.226	0.000	0.14	0.0	7.0	OK
1.004	S5	63	33.152	-0.233	0.000	0.11	0.0	8.2	OK
1.005	S6	60	33.056	-0.150	0.000	0.10	0.0	6.6	OK
1.006	S7	60	33.069	0.124	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 4320 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	70	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	70	33.511	-0.266	0.000	0.03	0.0	2.8	OK
1.002	S3	70	33.219	-0.248	0.000	0.07	0.0	4.5	OK
1.003	S4	70	33.165	-0.237	0.000	0.10	0.0	5.1	OK
1.004	S5	70	33.143	-0.243	0.000	0.08	0.0	5.9	OK
1.005	S6	70	32.972	-0.234	0.000	0.09	0.0	5.9	OK
1.006	S7	70	32.934	-0.011	0.000	0.37	0.0	6.3	OK

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Summary Wizard of 5760 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	76	33.807	-0.293	0.000	0.01	0.0	0.6	OK
1.001	S2	76	33.508	-0.269	0.000	0.02	0.0	2.2	OK
1.002	S3	76	33.213	-0.255	0.000	0.06	0.0	3.6	OK
1.003	S4	76	33.158	-0.244	0.000	0.08	0.0	4.1	OK
1.004	S5	76	33.135	-0.250	0.000	0.07	0.0	4.7	OK
1.005	S6	76	32.960	-0.247	0.000	0.07	0.0	4.7	OK
1.006	S7	76	32.906	-0.039	0.000	0.29	0.0	5.0	OK

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Summary Wizard of 7200 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	82	33.806	-0.294	0.000	0.00	0.0	0.5	OK
1.001	S2	82	33.505	-0.272	0.000	0.02	0.0	1.8	OK
1.002	S3	82	33.209	-0.259	0.000	0.05	0.0	3.0	OK
1.003	S4	82	33.152	-0.250	0.000	0.07	0.0	3.4	OK
1.004	S5	82	33.130	-0.255	0.000	0.05	0.0	3.9	OK
1.005	S6	82	32.953	-0.254	0.000	0.06	0.0	3.9	OK
1.006	S7	82	32.891	-0.054	0.000	0.24	0.0	4.2	OK

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Summary Wizard of 8640 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	84	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	84	33.501	-0.276	0.000	0.02	0.0	1.6	OK
1.002	S3	84	33.206	-0.262	0.000	0.04	0.0	2.6	OK
1.003	S4	84	33.148	-0.254	0.000	0.06	0.0	2.9	OK
1.004	S5	83	33.127	-0.258	0.000	0.05	0.0	3.4	OK
1.005	S6	84	32.949	-0.257	0.000	0.05	0.0	3.4	OK
1.006	S7	84	32.882	-0.063	0.000	0.21	0.0	3.6	OK

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Summary Wizard of 10080 minute 100 year Summer I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	89	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	89	33.498	-0.279	0.000	0.02	0.0	1.4	OK
1.002	S3	89	33.204	-0.264	0.000	0.04	0.0	2.3	OK
1.003	S4	89	33.145	-0.257	0.000	0.05	0.0	2.6	OK
1.004	S5	89	33.125	-0.261	0.000	0.04	0.0	3.0	OK
1.005	S6	89	32.946	-0.260	0.000	0.04	0.0	3.0	OK
1.006	S7	89	32.876	-0.070	0.000	0.19	0.0	3.2	OK

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Summary Wizard of 15 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	17	33.849	-0.251	0.000	0.06	0.0	7.0	OK
1.001	S2	26	33.580	-0.197	0.000	0.25	0.0	23.6	OK
1.002	S3	32	33.345	-0.122	0.000	0.58	0.0	37.1	OK
1.003	S4	33	33.311	-0.090	0.000	0.82	0.0	41.7	OK
1.004	S5	38	33.266	-0.119	0.000	0.66	0.0	47.9	OK
1.005	S6	51	33.108	-0.098	0.000	0.18	0.0	12.2	OK
1.006	S7	52	33.101	0.156	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 30 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	23	33.843	-0.257	0.000	0.05	0.0	5.5	OK
1.001	S2	31	33.570	-0.207	0.000	0.21	0.0	19.7	OK
1.002	S3	37	33.325	-0.143	0.000	0.49	0.0	31.6	OK
1.003	S4	39	33.288	-0.113	0.000	0.71	0.0	35.8	OK
1.004	S5	42	33.249	-0.137	0.000	0.57	0.0	41.2	OK
1.005	S6	46	33.131	-0.075	0.000	0.14	0.0	10.0	OK
1.006	S7	48	33.125	0.179	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	29	33.835	-0.265	0.000	0.03	0.0	3.7	OK
1.001	S2	36	33.553	-0.224	0.000	0.15	0.0	13.8	OK
1.002	S3	42	33.292	-0.176	0.000	0.35	0.0	22.2	OK
1.003	S4	43	33.251	-0.150	0.000	0.50	0.0	25.2	OK
1.004	S5	45	33.218	-0.167	0.000	0.40	0.0	29.1	OK
1.005	S6	45	33.134	-0.072	0.000	0.11	0.0	7.8	OK
1.006	S7	47	33.128	0.182	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	41	33.830	-0.270	0.000	0.02	0.0	2.3	OK
1.001	S2	43	33.539	-0.238	0.000	0.09	0.0	8.9	OK
1.002	S3	47	33.263	-0.204	0.000	0.22	0.0	14.3	OK
1.003	S4	48	33.218	-0.183	0.000	0.32	0.0	16.3	OK
1.004	S5	51	33.190	-0.196	0.000	0.26	0.0	18.8	OK
1.005	S6	48	33.119	-0.088	0.000	0.11	0.0	7.8	OK
1.006	S7	46	33.135	0.189	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 180 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	48	33.823	-0.277	0.000	0.02	0.0	1.8	OK
1.001	S2	49	33.530	-0.247	0.000	0.07	0.0	6.8	OK
1.002	S3	51	33.250	-0.217	0.000	0.17	0.0	10.9	OK
1.003	S4	52	33.202	-0.200	0.000	0.24	0.0	12.4	OK
1.004	S5	53	33.176	-0.209	0.000	0.20	0.0	14.4	OK
1.005	S6	53	33.098	-0.108	0.000	0.11	0.0	7.7	OK
1.006	S7	51	33.102	0.156	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 240 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	54	33.819	-0.281	0.000	0.01	0.0	1.5	OK
1.001	S2	54	33.524	-0.253	0.000	0.06	0.0	5.6	OK
1.002	S3	55	33.241	-0.226	0.000	0.14	0.0	9.0	OK
1.003	S4	56	33.192	-0.209	0.000	0.20	0.0	10.2	OK
1.004	S5	57	33.167	-0.219	0.000	0.16	0.0	11.8	OK
1.005	S6	58	33.075	-0.131	0.000	0.11	0.0	7.6	OK
1.006	S7	59	33.074	0.129	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 360 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	61	33.814	-0.286	0.000	0.01	0.0	1.1	OK
1.001	S2	61	33.517	-0.260	0.000	0.04	0.0	4.2	OK
1.002	S3	61	33.232	-0.236	0.000	0.10	0.0	6.7	OK
1.003	S4	61	33.179	-0.223	0.000	0.15	0.0	7.7	OK
1.004	S5	61	33.155	-0.230	0.000	0.12	0.0	8.9	OK
1.005	S6	63	33.033	-0.173	0.000	0.10	0.0	6.9	OK
1.006	S7	65	33.027	0.081	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	68	33.811	-0.289	0.000	0.01	0.0	0.9	OK
1.001	S2	68	33.514	-0.263	0.000	0.04	0.0	3.4	OK
1.002	S3	68	33.226	-0.241	0.000	0.09	0.0	5.5	OK
1.003	S4	68	33.171	-0.230	0.000	0.12	0.0	6.2	OK
1.004	S5	68	33.149	-0.237	0.000	0.10	0.0	7.2	OK
1.005	S6	67	33.009	-0.197	0.000	0.11	0.0	7.3	OK
1.006	S7	67	33.000	0.055	0.000	0.40	0.0	6.8	SURCHARGED

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Summary Wizard of 600 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	69	33.810	-0.290	0.000	0.01	0.0	0.8	OK
1.001	S2	69	33.511	-0.266	0.000	0.03	0.0	2.9	OK
1.002	S3	69	33.220	-0.247	0.000	0.07	0.0	4.7	OK
1.003	S4	69	33.166	-0.236	0.000	0.10	0.0	5.3	OK
1.004	S5	69	33.144	-0.241	0.000	0.09	0.0	6.2	OK
1.005	S6	69	32.977	-0.229	0.000	0.09	0.0	6.2	OK
1.006	S7	69	32.947	0.002	0.000	0.38	0.0	6.5	SURCHARGED

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Summary Wizard of 720 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	75	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	75	33.510	-0.267	0.000	0.03	0.0	2.5	OK
1.002	S3	75	33.216	-0.251	0.000	0.06	0.0	4.1	OK
1.003	S4	75	33.162	-0.239	0.000	0.09	0.0	4.7	OK
1.004	S5	75	33.140	-0.246	0.000	0.07	0.0	5.4	OK
1.005	S6	75	32.967	-0.239	0.000	0.08	0.0	5.4	OK
1.006	S7	75	32.921	-0.024	0.000	0.33	0.0	5.7	OK

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Summary Wizard of 960 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	79	33.807	-0.293	0.000	0.00	0.0	0.5	OK
1.001	S2	79	33.507	-0.270	0.000	0.02	0.0	2.1	OK
1.002	S3	79	33.211	-0.256	0.000	0.05	0.0	3.3	OK
1.003	S4	79	33.155	-0.246	0.000	0.07	0.0	3.8	OK
1.004	S5	79	33.133	-0.252	0.000	0.06	0.0	4.4	OK
1.005	S6	79	32.957	-0.250	0.000	0.06	0.0	4.4	OK
1.006	S7	79	32.900	-0.045	0.000	0.27	0.0	4.7	OK

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Summary Wizard of 1440 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	88	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	88	33.500	-0.277	0.000	0.02	0.0	1.5	OK
1.002	S3	88	33.205	-0.262	0.000	0.04	0.0	2.5	OK
1.003	S4	88	33.147	-0.255	0.000	0.06	0.0	2.8	OK
1.004	S5	88	33.126	-0.259	0.000	0.05	0.0	3.3	OK
1.005	S6	88	32.948	-0.258	0.000	0.05	0.0	3.3	OK
1.006	S7	88	32.880	-0.065	0.000	0.20	0.0	3.5	OK

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Summary Wizard of 2160 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	93	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	93	33.495	-0.283	0.000	0.01	0.0	1.2	OK
1.002	S3	93	33.201	-0.267	0.000	0.03	0.0	1.9	OK
1.003	S4	93	33.141	-0.261	0.000	0.04	0.0	2.1	OK
1.004	S5	93	33.121	-0.264	0.000	0.03	0.0	2.5	OK
1.005	S6	93	32.943	-0.264	0.000	0.04	0.0	2.5	OK
1.006	S7	93	32.866	-0.079	0.000	0.15	0.0	2.6	OK

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Summary Wizard of 2880 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	99	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	99	33.491	-0.286	0.000	0.01	0.0	0.9	OK
1.002	S3	99	33.198	-0.269	0.000	0.02	0.0	1.5	OK
1.003	S4	99	33.137	-0.264	0.000	0.03	0.0	1.7	OK
1.004	S5	99	33.118	-0.267	0.000	0.03	0.0	2.0	OK
1.005	S6	99	32.940	-0.266	0.000	0.03	0.0	2.0	OK
1.006	S7	99	32.858	-0.087	0.000	0.12	0.0	2.1	OK

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Summary Wizard of 4320 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	105	33.802	-0.298	0.000	0.00	0.0	0.2	OK
1.001	S2	105	33.488	-0.289	0.000	0.01	0.0	0.7	OK
1.002	S3	105	33.192	-0.275	0.000	0.02	0.0	1.1	OK
1.003	S4	105	33.133	-0.268	0.000	0.03	0.0	1.3	OK
1.004	S5	105	33.115	-0.271	0.000	0.02	0.0	1.5	OK
1.005	S6	105	32.936	-0.270	0.000	0.02	0.0	1.5	OK
1.006	S7	105	32.849	-0.097	0.000	0.09	0.0	1.6	OK

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Summary Wizard of 5760 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	110	33.802	-0.298	0.000	0.00	0.0	0.1	OK
1.001	S2	110	33.486	-0.291	0.000	0.01	0.0	0.6	OK
1.002	S3	110	33.188	-0.280	0.000	0.01	0.0	0.9	OK
1.003	S4	110	33.131	-0.271	0.000	0.02	0.0	1.0	OK
1.004	S5	110	33.109	-0.276	0.000	0.02	0.0	1.2	OK
1.005	S6	110	32.931	-0.275	0.000	0.02	0.0	1.2	OK
1.006	S7	110	32.843	-0.102	0.000	0.07	0.0	1.3	OK

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Summary Wizard of 7200 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	112	33.802	-0.298	0.000	0.00	0.0	0.1	OK
1.001	S2	112	33.484	-0.293	0.000	0.01	0.0	0.5	OK
1.002	S3	112	33.185	-0.283	0.000	0.01	0.0	0.8	OK
1.003	S4	112	33.126	-0.275	0.000	0.02	0.0	0.9	OK
1.004	S5	112	33.106	-0.280	0.000	0.01	0.0	1.0	OK
1.005	S6	112	32.927	-0.279	0.000	0.01	0.0	1.0	OK
1.006	S7	112	32.839	-0.106	0.000	0.06	0.0	1.1	OK

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Summary Wizard of 8640 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	113	33.801	-0.299	0.000	0.00	0.0	0.1	OK
1.001	S2	113	33.484	-0.294	0.000	0.00	0.0	0.4	OK
1.002	S3	113	33.182	-0.285	0.000	0.01	0.0	0.7	OK
1.003	S4	113	33.123	-0.278	0.000	0.02	0.0	0.8	OK
1.004	S5	113	33.103	-0.282	0.000	0.01	0.0	0.9	OK
1.005	S6	113	32.925	-0.281	0.000	0.01	0.0	0.9	OK
1.006	S7	113	32.836	-0.109	0.000	0.06	0.0	1.0	OK

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Summary Wizard of 10080 minute 2 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	114	33.801	-0.299	0.000	0.00	0.0	0.1	OK
1.001	S2	114	33.483	-0.294	0.000	0.00	0.0	0.4	OK
1.002	S3	114	33.181	-0.286	0.000	0.01	0.0	0.6	OK
1.003	S4	114	33.121	-0.280	0.000	0.01	0.0	0.7	OK
1.004	S5	114	33.102	-0.284	0.000	0.01	0.0	0.8	OK
1.005	S6	114	32.923	-0.283	0.000	0.01	0.0	0.8	OK
1.006	S7	114	32.834	-0.112	0.000	0.05	0.0	0.9	OK

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Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	11	33.871	-0.229	0.000	0.12	0.0	13.2	OK
1.001	S2	12	33.821	0.044	0.000	0.48	0.0	45.4	SURCHARGED
1.002	S3	15	33.709	0.242	0.000	1.10	0.0	70.6	SURCHARGED
1.003	S4	18	33.626	0.225	0.000	1.60	0.0	81.2	SURCHARGED
1.004	S5	22	33.516	0.130	0.000	1.30	0.0	94.0	SURCHARGED
1.005	S6	36	33.242	0.036	0.000	0.19	0.0	13.3	SURCHARGED
1.006	S7	40	33.237	0.292	0.000	0.40	0.0	6.9	SURCHARGED

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

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	14	33.862	-0.238	0.000	0.09	0.0	10.5	OK
1.001	S2	21	33.640	-0.137	0.000	0.42	0.0	39.6	OK
1.002	S3	23	33.587	0.120	0.000	0.96	0.0	61.6	SURCHARGED
1.003	S4	26	33.501	0.100	0.000	1.38	0.0	70.0	SURCHARGED
1.004	S5	26	33.422	0.037	0.000	1.12	0.0	80.9	SURCHARGED
1.005	S6	28	33.306	0.100	0.000	0.16	0.0	11.3	SURCHARGED
1.006	S7	32	33.300	0.354	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	18	33.849	-0.251	0.000	0.06	0.0	7.0	OK
1.001	S2	25	33.587	-0.190	0.000	0.29	0.0	26.8	OK
1.002	S3	28	33.430	-0.037	0.000	0.67	0.0	43.1	OK
1.003	S4	28	33.401	0.000	0.000	0.97	0.0	49.2	OK
1.004	S5	28	33.370	-0.016	0.000	0.79	0.0	57.1	OK
1.005	S6	25	33.348	0.142	0.000	0.13	0.0	9.1	SURCHARGED
1.006	S7	24	33.372	0.427	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	27	33.838	-0.262	0.000	0.04	0.0	4.4	OK
1.001	S2	33	33.562	-0.215	0.000	0.18	0.0	16.9	OK
1.002	S3	30	33.378	-0.089	0.000	0.42	0.0	27.2	OK
1.003	S4	30	33.369	-0.033	0.000	0.61	0.0	31.0	OK
1.004	S5	29	33.364	-0.021	0.000	0.50	0.0	35.9	OK
1.005	S6	24	33.350	0.144	0.000	0.10	0.0	7.0	SURCHARGED
1.006	S7	30	33.307	0.362	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	32	33.834	-0.266	0.000	0.03	0.0	3.4	OK
1.001	S2	37	33.550	-0.227	0.000	0.14	0.0	12.8	OK
1.002	S3	31	33.350	-0.118	0.000	0.32	0.0	20.6	OK
1.003	S4	31	33.345	-0.057	0.000	0.46	0.0	23.4	OK
1.004	S5	30	33.343	-0.042	0.000	0.37	0.0	27.0	OK
1.005	S6	26	33.335	0.128	0.000	0.11	0.0	7.8	SURCHARGED
1.006	S7	25	33.361	0.416	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	37	33.831	-0.269	0.000	0.02	0.0	2.7	OK
1.001	S2	40	33.543	-0.234	0.000	0.11	0.0	10.3	OK
1.002	S3	36	33.330	-0.138	0.000	0.26	0.0	16.7	OK
1.003	S4	32	33.325	-0.077	0.000	0.37	0.0	19.0	OK
1.004	S5	31	33.323	-0.063	0.000	0.30	0.0	22.0	OK
1.005	S6	27	33.314	0.108	0.000	0.10	0.0	7.1	SURCHARGED
1.006	S7	34	33.273	0.328	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	45	33.826	-0.274	0.000	0.02	0.0	2.0	OK
1.001	S2	46	33.534	-0.243	0.000	0.08	0.0	7.6	OK
1.002	S3	44	33.273	-0.194	0.000	0.19	0.0	12.3	OK
1.003	S4	41	33.269	-0.133	0.000	0.28	0.0	14.0	OK
1.004	S5	37	33.267	-0.119	0.000	0.22	0.0	16.2	OK
1.005	S6	35	33.257	0.051	0.000	0.10	0.0	7.1	SURCHARGED
1.006	S7	35	33.272	0.326	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	51	33.821	-0.279	0.000	0.01	0.0	1.6	OK
1.001	S2	51	33.527	-0.250	0.000	0.07	0.0	6.1	OK
1.002	S3	52	33.245	-0.222	0.000	0.15	0.0	9.9	OK
1.003	S4	46	33.228	-0.174	0.000	0.22	0.0	11.3	OK
1.004	S5	44	33.226	-0.159	0.000	0.18	0.0	13.1	OK
1.005	S6	38	33.219	0.013	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	42	33.207	0.262	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	55	33.817	-0.283	0.000	0.01	0.0	1.4	OK
1.001	S2	55	33.522	-0.255	0.000	0.06	0.0	5.2	OK
1.002	S3	56	33.239	-0.228	0.000	0.13	0.0	8.4	OK
1.003	S4	57	33.189	-0.213	0.000	0.19	0.0	9.5	OK
1.004	S5	54	33.175	-0.211	0.000	0.15	0.0	11.1	OK
1.005	S6	43	33.161	-0.045	0.000	0.11	0.0	7.4	OK
1.006	S7	43	33.153	0.208	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	60	33.815	-0.285	0.000	0.01	0.0	1.2	OK
1.001	S2	60	33.519	-0.258	0.000	0.05	0.0	4.5	OK
1.002	S3	60	33.234	-0.233	0.000	0.11	0.0	7.3	OK
1.003	S4	60	33.182	-0.219	0.000	0.16	0.0	8.3	OK
1.004	S5	60	33.158	-0.228	0.000	0.13	0.0	9.6	OK
1.005	S6	47	33.119	-0.087	0.000	0.10	0.0	6.8	OK
1.006	S7	44	33.153	0.208	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	64	33.812	-0.288	0.000	0.01	0.0	1.0	OK
1.001	S2	64	33.515	-0.262	0.000	0.04	0.0	3.6	OK
1.002	S3	64	33.228	-0.239	0.000	0.09	0.0	5.9	OK
1.003	S4	64	33.173	-0.228	0.000	0.13	0.0	6.7	OK
1.004	S5	64	33.151	-0.235	0.000	0.11	0.0	7.7	OK
1.005	S6	62	33.045	-0.161	0.000	0.09	0.0	6.6	OK
1.006	S7	63	33.041	0.096	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	74	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	74	33.510	-0.267	0.000	0.03	0.0	2.7	OK
1.002	S3	74	33.218	-0.250	0.000	0.07	0.0	4.3	OK
1.003	S4	74	33.164	-0.238	0.000	0.10	0.0	4.9	OK
1.004	S5	74	33.141	-0.244	0.000	0.08	0.0	5.7	OK
1.005	S6	74	32.970	-0.236	0.000	0.08	0.0	5.7	OK
1.006	S7	74	32.928	-0.017	0.000	0.35	0.0	6.0	OK

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Summary Wizard of 2160 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	81	33.807	-0.293	0.000	0.00	0.0	0.5	OK
1.001	S2	81	33.507	-0.270	0.000	0.02	0.0	2.0	OK
1.002	S3	81	33.210	-0.257	0.000	0.05	0.0	3.2	OK
1.003	S4	81	33.154	-0.248	0.000	0.07	0.0	3.6	OK
1.004	S5	81	33.132	-0.254	0.000	0.06	0.0	4.2	OK
1.005	S6	81	32.955	-0.252	0.000	0.06	0.0	4.2	OK
1.006	S7	81	32.896	-0.049	0.000	0.26	0.0	4.4	OK

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Summary Wizard of 2880 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	87	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	87	33.501	-0.276	0.000	0.02	0.0	1.6	OK
1.002	S3	87	33.206	-0.262	0.000	0.04	0.0	2.5	OK
1.003	S4	87	33.147	-0.254	0.000	0.06	0.0	2.9	OK
1.004	S5	87	33.127	-0.259	0.000	0.05	0.0	3.4	OK
1.005	S6	87	32.948	-0.258	0.000	0.05	0.0	3.4	OK
1.006	S7	87	32.882	-0.064	0.000	0.21	0.0	3.6	OK

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Summary Wizard of 4320 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	94	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	94	33.495	-0.283	0.000	0.01	0.0	1.2	OK
1.002	S3	94	33.201	-0.267	0.000	0.03	0.0	1.9	OK
1.003	S4	94	33.141	-0.261	0.000	0.04	0.0	2.1	OK
1.004	S5	94	33.121	-0.264	0.000	0.03	0.0	2.5	OK
1.005	S6	94	32.943	-0.264	0.000	0.04	0.0	2.5	OK
1.006	S7	94	32.866	-0.079	0.000	0.15	0.0	2.6	OK

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Summary Wizard of 5760 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	101	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	101	33.491	-0.286	0.000	0.01	0.0	0.9	OK
1.002	S3	101	33.198	-0.269	0.000	0.02	0.0	1.5	OK
1.003	S4	101	33.137	-0.265	0.000	0.03	0.0	1.7	OK
1.004	S5	101	33.118	-0.267	0.000	0.03	0.0	2.0	OK
1.005	S6	101	32.940	-0.267	0.000	0.03	0.0	2.0	OK
1.006	S7	101	32.858	-0.088	0.000	0.12	0.0	2.1	OK

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Summary Wizard of 7200 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	104	33.803	-0.297	0.000	0.00	0.0	0.2	OK
1.001	S2	104	33.489	-0.288	0.000	0.01	0.0	0.8	OK
1.002	S3	104	33.195	-0.272	0.000	0.02	0.0	1.3	OK
1.003	S4	104	33.135	-0.267	0.000	0.03	0.0	1.4	OK
1.004	S5	104	33.116	-0.269	0.000	0.02	0.0	1.7	OK
1.005	S6	104	32.937	-0.269	0.000	0.02	0.0	1.7	OK
1.006	S7	104	32.852	-0.093	0.000	0.10	0.0	1.8	OK

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Summary Wizard of 8640 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	106	33.802	-0.298	0.000	0.00	0.0	0.2	OK
1.001	S2	106	33.487	-0.290	0.000	0.01	0.0	0.7	OK
1.002	S3	106	33.191	-0.276	0.000	0.02	0.0	1.1	OK
1.003	S4	106	33.133	-0.269	0.000	0.02	0.0	1.2	OK
1.004	S5	106	33.114	-0.272	0.000	0.02	0.0	1.4	OK
1.005	S6	106	32.936	-0.270	0.000	0.02	0.0	1.4	OK
1.006	S7	106	32.848	-0.098	0.000	0.09	0.0	1.5	OK

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Summary Wizard of 10080 minute 30 year Winter I+0% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	108	33.802	-0.298	0.000	0.00	0.0	0.2	OK
1.001	S2	108	33.486	-0.291	0.000	0.01	0.0	0.6	OK
1.002	S3	108	33.189	-0.279	0.000	0.02	0.0	1.0	OK
1.003	S4	108	33.132	-0.270	0.000	0.02	0.0	1.1	OK
1.004	S5	108	33.111	-0.275	0.000	0.02	0.0	1.3	OK
1.005	S6	108	32.932	-0.274	0.000	0.02	0.0	1.3	OK
1.006	S7	108	32.844	-0.101	0.000	0.08	0.0	1.4	OK

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Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs	0	Number of Storage Structures	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	0.364
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	1	35.000	0.900	0.448	0.24	0.0	26.2	FLOOD
1.001	S2	1	34.988	1.211	0.000	0.82	0.0	76.9	FLOOD RISK
1.002	S3	1	34.794	1.327	0.000	1.97	0.0	126.7	FLOOD RISK
1.003	S4	1	34.539	1.137	0.000	2.85	0.0	144.2	FLOOD RISK
1.004	S5	3	34.203	0.818	0.000	2.28	0.0	164.5	SURCHARGED
1.005	S6	21	33.468	0.262	0.000	0.20	0.0	13.5	SURCHARGED
1.006	S7	22	33.469	0.523	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	4	34.572	0.472	0.000	0.16	0.0	18.1	SURCHARGED
1.001	S2	4	34.552	0.775	0.000	0.70	0.0	65.8	SURCHARGED
1.002	S3	4	34.400	0.932	0.000	1.65	0.0	106.3	SURCHARGED
1.003	S4	6	34.221	0.820	0.000	2.39	0.0	120.8	SURCHARGED
1.004	S5	6	33.991	0.606	0.000	1.93	0.0	139.3	SURCHARGED
1.005	S6	14	33.615	0.409	0.000	0.19	0.0	13.2	SURCHARGED
1.006	S7	14	33.611	0.665	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 60 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	8	34.073	-0.027	0.000	0.11	0.0	12.1	OK
1.001	S2	8	34.057	0.280	0.000	0.47	0.0	44.2	SURCHARGED
1.002	S3	9	33.934	0.466	0.000	1.13	0.0	72.5	SURCHARGED
1.003	S4	9	33.848	0.446	0.000	1.63	0.0	82.5	SURCHARGED
1.004	S5	10	33.784	0.399	0.000	1.33	0.0	95.8	SURCHARGED
1.005	S6	6	33.750	0.544	0.000	0.14	0.0	9.4	SURCHARGED
1.006	S7	7	33.722	0.777	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	6	34.283	0.183	0.000	0.07	0.0	8.1	SURCHARGED
1.001	S2	6	34.282	0.505	0.000	0.31	0.0	28.7	SURCHARGED
1.002	S3	6	34.277	0.809	0.000	0.70	0.0	45.2	SURCHARGED
1.003	S4	5	34.272	0.870	0.000	1.02	0.0	51.9	SURCHARGED
1.004	S5	2	34.270	0.884	0.000	0.84	0.0	60.9	SURCHARGED
1.005	S6	2	34.260	1.053	0.000	0.12	0.0	8.6	SURCHARGED
1.006	S7	2	34.251	1.306	0.000	0.48	0.0	8.2	SURCHARGED

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Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	5	34.314	0.214	0.000	0.06	0.0	6.2	SURCHARGED
1.001	S2	5	34.312	0.535	0.000	0.24	0.0	22.2	SURCHARGED
1.002	S3	5	34.307	0.840	0.000	0.55	0.0	35.2	SURCHARGED
1.003	S4	4	34.302	0.901	0.000	0.79	0.0	40.0	SURCHARGED
1.004	S5	1	34.300	0.915	0.000	0.65	0.0	46.6	SURCHARGED
1.005	S6	1	34.290	1.084	0.000	0.13	0.0	8.7	SURCHARGED
1.006	S7	1	34.281	1.336	0.000	0.49	0.0	8.4	SURCHARGED

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Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	9	33.992	-0.108	0.000	0.04	0.0	5.0	OK
1.001	S2	9	33.991	0.214	0.000	0.19	0.0	18.1	SURCHARGED
1.002	S3	8	33.987	0.520	0.000	0.45	0.0	28.6	SURCHARGED
1.003	S4	7	33.983	0.582	0.000	0.65	0.0	32.7	SURCHARGED
1.004	S5	7	33.982	0.596	0.000	0.52	0.0	37.8	SURCHARGED
1.005	S6	3	33.973	0.767	0.000	0.11	0.0	7.6	SURCHARGED
1.006	S7	3	33.966	1.020	0.000	0.44	0.0	7.5	SURCHARGED

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Summary Wizard of 360 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	31	33.835	-0.265	0.000	0.03	0.0	3.7	OK
1.001	S2	13	33.802	0.025	0.000	0.15	0.0	13.7	SURCHARGED
1.002	S3	12	33.798	0.330	0.000	0.32	0.0	20.9	SURCHARGED
1.003	S4	10	33.793	0.392	0.000	0.47	0.0	23.8	SURCHARGED
1.004	S5	9	33.792	0.406	0.000	0.38	0.0	27.7	SURCHARGED
1.005	S6	4	33.783	0.577	0.000	0.10	0.0	7.0	SURCHARGED
1.006	S7	5	33.736	0.791	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	35	33.832	-0.268	0.000	0.03	0.0	2.9	OK
1.001	S2	16	33.782	0.005	0.000	0.12	0.0	11.1	SURCHARGED
1.002	S3	13	33.779	0.311	0.000	0.27	0.0	17.3	SURCHARGED
1.003	S4	11	33.776	0.374	0.000	0.39	0.0	19.5	SURCHARGED
1.004	S5	11	33.774	0.388	0.000	0.32	0.0	22.8	SURCHARGED
1.005	S6	5	33.766	0.560	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	11	33.658	0.713	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	39	33.830	-0.270	0.000	0.02	0.0	2.5	OK
1.001	S2	19	33.687	-0.090	0.000	0.10	0.0	9.4	OK
1.002	S3	17	33.683	0.215	0.000	0.22	0.0	14.4	SURCHARGED
1.003	S4	15	33.679	0.277	0.000	0.32	0.0	16.2	SURCHARGED
1.004	S5	15	33.677	0.291	0.000	0.26	0.0	18.8	SURCHARGED
1.005	S6	10	33.668	0.462	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	9	33.702	0.757	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	44	33.827	-0.273	0.000	0.02	0.0	2.1	OK
1.001	S2	22	33.624	-0.153	0.000	0.09	0.0	8.1	OK
1.002	S3	21	33.620	0.153	0.000	0.20	0.0	12.8	SURCHARGED
1.003	S4	19	33.616	0.214	0.000	0.28	0.0	14.3	SURCHARGED
1.004	S5	18	33.614	0.228	0.000	0.23	0.0	16.6	SURCHARGED
1.005	S6	15	33.605	0.399	0.000	0.10	0.0	6.9	SURCHARGED
1.006	S7	13	33.615	0.670	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	49	33.822	-0.278	0.000	0.02	0.0	1.7	OK
1.001	S2	38	33.547	-0.230	0.000	0.07	0.0	6.5	OK
1.002	S3	25	33.543	0.076	0.000	0.16	0.0	10.4	SURCHARGED
1.003	S4	24	33.540	0.138	0.000	0.23	0.0	11.7	SURCHARGED
1.004	S5	21	33.539	0.153	0.000	0.19	0.0	13.5	SURCHARGED
1.005	S6	19	33.530	0.324	0.000	0.10	0.0	6.7	SURCHARGED
1.006	S7	21	33.470	0.525	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	58	33.816	-0.284	0.000	0.01	0.0	1.2	OK
1.001	S2	58	33.520	-0.257	0.000	0.05	0.0	4.7	OK
1.002	S3	38	33.315	-0.152	0.000	0.12	0.0	7.7	OK
1.003	S4	34	33.310	-0.091	0.000	0.17	0.0	8.7	OK
1.004	S5	33	33.309	-0.077	0.000	0.14	0.0	10.1	OK
1.005	S6	29	33.301	0.095	0.000	0.10	0.0	7.0	SURCHARGED
1.006	S7	27	33.316	0.371	0.000	0.40	0.0	6.8	SURCHARGED

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Summary Wizard of 2160 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	66	33.812	-0.288	0.000	0.01	0.0	0.9	OK
1.001	S2	66	33.514	-0.263	0.000	0.04	0.0	3.5	OK
1.002	S3	66	33.227	-0.241	0.000	0.09	0.0	5.6	OK
1.003	S4	66	33.172	-0.230	0.000	0.13	0.0	6.4	OK
1.004	S5	66	33.149	-0.236	0.000	0.10	0.0	7.4	OK
1.005	S6	59	33.066	-0.140	0.000	0.10	0.0	6.9	OK
1.006	S7	57	33.082	0.137	0.000	0.40	0.0	6.9	SURCHARGED

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Summary Wizard of 2880 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	71	33.809	-0.291	0.000	0.01	0.0	0.7	OK
1.001	S2	71	33.511	-0.266	0.000	0.03	0.0	2.8	OK
1.002	S3	72	33.219	-0.248	0.000	0.07	0.0	4.5	OK
1.003	S4	72	33.165	-0.237	0.000	0.10	0.0	5.1	OK
1.004	S5	72	33.143	-0.243	0.000	0.08	0.0	5.9	OK
1.005	S6	72	32.972	-0.234	0.000	0.09	0.0	5.9	OK
1.006	S7	71	32.934	-0.012	0.000	0.36	0.0	6.3	OK

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Summary Wizard of 4320 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	80	33.807	-0.293	0.000	0.00	0.0	0.5	OK
1.001	S2	80	33.507	-0.270	0.000	0.02	0.0	2.0	OK
1.002	S3	80	33.210	-0.257	0.000	0.05	0.0	3.2	OK
1.003	S4	80	33.154	-0.247	0.000	0.07	0.0	3.7	OK
1.004	S5	80	33.133	-0.253	0.000	0.06	0.0	4.3	OK
1.005	S6	80	32.955	-0.251	0.000	0.06	0.0	4.3	OK
1.006	S7	80	32.898	-0.048	0.000	0.26	0.0	4.5	OK

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Summary Wizard of 5760 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	85	33.805	-0.295	0.000	0.00	0.0	0.4	OK
1.001	S2	85	33.501	-0.276	0.000	0.02	0.0	1.6	OK
1.002	S3	85	33.206	-0.262	0.000	0.04	0.0	2.6	OK
1.003	S4	85	33.148	-0.254	0.000	0.06	0.0	2.9	OK
1.004	S5	85	33.127	-0.258	0.000	0.05	0.0	3.4	OK
1.005	S6	85	32.949	-0.257	0.000	0.05	0.0	3.4	OK
1.006	S7	85	32.882	-0.063	0.000	0.21	0.0	3.6	OK

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Summary Wizard of 7200 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	90	33.804	-0.296	0.000	0.00	0.0	0.4	OK
1.001	S2	90	33.497	-0.280	0.000	0.01	0.0	1.3	OK
1.002	S3	90	33.203	-0.265	0.000	0.03	0.0	2.2	OK
1.003	S4	90	33.144	-0.258	0.000	0.05	0.0	2.4	OK
1.004	S5	90	33.124	-0.262	0.000	0.04	0.0	2.8	OK
1.005	S6	90	32.945	-0.261	0.000	0.04	0.0	2.8	OK
1.006	S7	90	32.873	-0.072	0.000	0.18	0.0	3.0	OK

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Summary Wizard of 8640 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	95	33.804	-0.296	0.000	0.00	0.0	0.3	OK
1.001	S2	95	33.495	-0.283	0.000	0.01	0.0	1.2	OK
1.002	S3	95	33.201	-0.267	0.000	0.03	0.0	1.9	OK
1.003	S4	95	33.141	-0.261	0.000	0.04	0.0	2.1	OK
1.004	S5	95	33.121	-0.264	0.000	0.03	0.0	2.5	OK
1.005	S6	95	32.943	-0.264	0.000	0.04	0.0	2.5	OK
1.006	S7	95	32.866	-0.079	0.000	0.15	0.0	2.6	OK

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Summary Wizard of 10080 minute 100 year Winter I+40% for Surface Network 1

Simulation Criteria

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

Number of Input Hydrographs 0 Number of Storage Structures 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 0.364
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 18.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
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, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years) 2, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Rank	Water Level (m)	Surch'ed Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	S1	97	33.803	-0.297	0.000	0.00	0.0	0.3	OK
1.001	S2	97	33.492	-0.285	0.000	0.01	0.0	1.0	OK
1.002	S3	97	33.199	-0.268	0.000	0.03	0.0	1.6	OK
1.003	S4	97	33.138	-0.263	0.000	0.04	0.0	1.9	OK
1.004	S5	97	33.120	-0.266	0.000	0.03	0.0	2.2	OK
1.005	S6	97	32.941	-0.265	0.000	0.03	0.0	2.2	OK
1.006	S7	97	32.861	-0.084	0.000	0.13	0.0	2.3	OK

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