Summary Wizard of 15 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	50	97.547	-1.203	0.000	0.02			29.0	OK
S1.001	SW17	52	97.503	-1.202	0.000	0.02			28.5	OK
S1.002	SW1	52	97.477	-1.196	0.000	0.03			35.8	OK
S1.003	SW2	62	97.402	-1.237	0.000	0.02			46.8	OK
S2.000	SW10a	51	97.515	-1.298	0.000	0.01			6.3	OK
S3.000	SW10c	66	97.364	-1.276	0.000	0.00			5.0	OK
S2.001	SW10b	66	97.361	-1.265	0.000	0.01			9.2	OK
S2.002	SW10	67	97.354	-1.260	0.000	0.01			12.9	OK
S2.003	SW11	69	97.331	-1.261	0.000	0.01			17.6	OK
S1.004	SW3	69	97.331	-1.135	0.000	0.04			62.6	OK
S1.005	SW4	69	97.331	-1.079	0.000	0.04			67.7	OK
S1.006	SW5	69	97.331	-1.025	0.000	0.03			61.5	OK
S4.000	SW12	69	97.330	-1.320	0.000	0.00			8.0	OK
S4.001	SW13	69	97.330	-1.197	0.000	0.01			10.5	OK
S4.002	SW14	69	97.330	-1.170	0.000	0.01			13.6	OK
S4.003	SW15	69	97.330	-1.142	0.000	0.01			18.0	OK
S4.004	SW16	69	97.330	-1.144	0.000	0.02			23.5	OK
S1.007	SW6	69	97.330	-0.923	0.000	0.08			76.7	OK

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Summary Wizard of 15 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	69	97.329	-0.895	0.000	0.05			65.9
S1.009	SW8	69	97.327	-0.849	0.000	0.03			45.1
S1.010	SW9	69	97.323	0.192	0.000	0.18			15.1
S1.011	SEX UU 1	69	95.890	0.020	0.000	1.15			15.1
S1.012	SEX UU 2	69	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	53	97.528	-1.222	0.000	0.02			23.5	OK
S1.001	SW17	54	97.490	-1.215	0.000	0.02			21.3	OK
S1.002	SW1	54	97.465	-1.208	0.000	0.02			29.4	OK
S1.003	SW2	65	97.388	-1.251	0.000	0.02			40.6	OK
S2.000	SW10a	54	97.499	-1.314	0.000	0.01			4.9	OK
S3.000	SW10c	64	97.380	-1.260	0.000	0.00			3.9	OK
S2.001	SW10b	64	97.380	-1.246	0.000	0.01			7.7	OK
S2.002	SW10	64	97.380	-1.234	0.000	0.01			11.4	OK
S2.003	SW11	64	97.380	-1.212	0.000	0.01			16.2	OK
S1.004	SW3	64	97.380	-1.086	0.000	0.03			54.4	OK
S1.005	SW4	64	97.381	-1.029	0.000	0.04			60.6	OK
S1.006	SW5	64	97.380	-0.975	0.000	0.02			51.2	OK
S4.000	SW12	64	97.379	-1.271	0.000	0.00			6.0	OK
S4.001	SW13	64	97.379	-1.148	0.000	0.01			8.7	OK
S4.002	SW14	64	97.379	-1.120	0.000	0.01			12.5	OK
S4.003	SW15	64	97.380	-1.092	0.000	0.01			16.3	OK
S4.004	SW16	64	97.380	-1.094	0.000	0.02			20.6	OK
S1.007	SW6	64	97.380	-0.873	0.000	0.06			59.7	OK

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Summary Wizard of 30 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	64	97.379	-0.845	0.000	0.04			50.6
S1.009	SW8	64	97.376	-0.799	0.000	0.02			34.4
S1.010	SW9	64	97.372	0.241	0.000	0.18			15.1
S1.011	SEX UU 1	63	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	63	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	56	97.494	-1.256	0.000	0.01			16.4	OK
S1.001	SW17	56	97.462	-1.243	0.000	0.01			15.4	OK
S1.002	SW1	59	97.439	-1.234	0.000	0.02			22.3	OK
S1.003	SW2	59	97.407	-1.232	0.000	0.01			30.7	OK
S2.000	SW10a	56	97.488	-1.325	0.000	0.00			3.4	OK
S3.000	SW10c	59	97.406	-1.234	0.000	0.00			3.0	OK
S2.001	SW10b	59	97.406	-1.220	0.000	0.01			5.9	OK
S2.002	SW10	59	97.406	-1.208	0.000	0.01			8.7	OK
S2.003	SW11	59	97.406	-1.186	0.000	0.00			12.5	OK
S1.004	SW3	59	97.406	-1.059	0.000	0.02			40.7	OK
S1.005	SW4	59	97.406	-1.004	0.000	0.03			44.0	OK
S1.006	SW5	59	97.406	-0.950	0.000	0.02			34.7	OK
S4.000	SW12	59	97.405	-1.245	0.000	0.00			4.1	OK
S4.001	SW13	59	97.405	-1.121	0.000	0.01			6.7	OK
S4.002	SW14	59	97.406	-1.094	0.000	0.01			9.5	OK
S4.003	SW15	59	97.406	-1.066	0.000	0.01			11.8	OK
S4.004	SW16	59	97.406	-1.068	0.000	0.01			14.1	OK
S1.007	SW6	59	97.406	-0.847	0.000	0.04			39.8	OK

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Summary Wizard of 60 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	59	97.405	-0.819	0.000	0.02			34.3
S1.009	SW8	59	97.402	-0.773	0.000	0.02			25.5
S1.010	SW9	59	97.398	0.267	0.000	0.18			15.1
S1.011	SEX UU 1	53	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	53	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	58	97.462	-1.288	0.000	0.01			10.8	OK
S1.001	SW17	61	97.428	-1.277	0.000	0.01			10.6	OK
S1.002	SW1	62	97.411	-1.262	0.000	0.01			15.6	OK
S1.003	SW2	58	97.409	-1.230	0.000	0.01			21.6	OK
S2.000	SW10a	58	97.479	-1.334	0.000	0.00			2.2	OK
S3.000	SW10c	58	97.408	-1.232	0.000	0.00			2.0	OK
S2.001	SW10b	58	97.409	-1.217	0.000	0.00			4.0	OK
S2.002	SW10	58	97.409	-1.205	0.000	0.01			6.0	OK
S2.003	SW11	58	97.409	-1.183	0.000	0.00			8.6	OK
S1.004	SW3	58	97.409	-1.057	0.000	0.02			27.3	OK
S1.005	SW4	58	97.409	-1.001	0.000	0.02			29.3	OK
S1.006	SW5	58	97.409	-0.947	0.000	0.01			23.1	OK
S4.000	SW12	58	97.407	-1.243	0.000	0.00			2.7	OK
S4.001	SW13	58	97.408	-1.119	0.000	0.00			4.4	OK
S4.002	SW14	58	97.408	-1.092	0.000	0.01			6.1	OK
S4.003	SW15	58	97.408	-1.063	0.000	0.00			7.7	OK
S4.004	SW16	58	97.408	-1.066	0.000	0.01			9.0	OK
S1.007	SW6	58	97.409	-0.845	0.000	0.03			27.2	OK

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Summary Wizard of 120 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	58	97.407	-0.816	0.000	0.02			24.1
S1.009	SW8	58	97.405	-0.771	0.000	0.01			19.8
S1.010	SW9	58	97.401	0.270	0.000	0.18			15.1
S1.011	SEX UU 1	51	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	52	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	61	97.446	-1.304	0.000	0.01			8.3	OK
S1.001	SW17	63	97.412	-1.293	0.000	0.01			8.2	OK
S1.002	SW1	63	97.404	-1.269	0.000	0.01			12.2	OK
S1.003	SW2	61	97.403	-1.236	0.000	0.01			16.9	OK
S2.000	SW10a	59	97.475	-1.338	0.000	0.00			1.7	OK
S3.000	SW10c	60	97.402	-1.238	0.000	0.00			1.6	OK
S2.001	SW10b	60	97.402	-1.224	0.000	0.00			3.1	OK
S2.002	SW10	60	97.402	-1.212	0.000	0.01			4.7	OK
S2.003	SW11	60	97.402	-1.190	0.000	0.00			6.8	OK
S1.004	SW3	60	97.402	-1.064	0.000	0.01			21.5	OK
S1.005	SW4	60	97.402	-1.008	0.000	0.01			23.2	OK
S1.006	SW5	60	97.402	-0.954	0.000	0.01			18.7	OK
S4.000	SW12	60	97.401	-1.249	0.000	0.00			2.0	OK
S4.001	SW13	60	97.401	-1.126	0.000	0.00			3.3	OK
S4.002	SW14	60	97.401	-1.099	0.000	0.00			4.8	OK
S4.003	SW15	60	97.401	-1.071	0.000	0.00			6.1	OK
S4.004	SW16	60	97.401	-1.073	0.000	0.01			7.4	OK
S1.007	SW6	60	97.401	-0.852	0.000	0.02			22.3	OK

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Summary Wizard of 180 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	60	97.400	-0.823	0.000	0.01			20.5
S1.009	SW8	60	97.398	-0.778	0.000	0.01			17.8
S1.010	SW9	60	97.394	0.263	0.000	0.18			15.1
S1.011	SEX UU 1	57	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	55	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	63	97.438	-1.312	0.000	0.00			6.8	OK
S1.001	SW17	64	97.401	-1.304	0.000	0.01			6.8	OK
S1.002	SW1	64	97.394	-1.279	0.000	0.01			10.1	OK
S1.003	SW2	63	97.393	-1.246	0.000	0.01			14.1	OK
S2.000	SW10a	61	97.473	-1.340	0.000	0.00			1.4	OK
S3.000	SW10c	61	97.392	-1.248	0.000	0.00			1.3	OK
S2.001	SW10b	61	97.392	-1.234	0.000	0.00			2.6	OK
S2.002	SW10	61	97.392	-1.222	0.000	0.00			4.0	OK
S2.003	SW11	61	97.392	-1.200	0.000	0.00			5.8	OK
S1.004	SW3	61	97.392	-1.073	0.000	0.01			18.1	OK
S1.005	SW4	61	97.393	-1.017	0.000	0.01			19.7	OK
S1.006	SW5	61	97.393	-0.963	0.000	0.01			16.1	OK
S4.000	SW12	61	97.391	-1.259	0.000	0.00			1.7	OK
S4.001	SW13	61	97.391	-1.136	0.000	0.00			2.8	OK
S4.002	SW14	61	97.391	-1.108	0.000	0.00			4.0	OK
S4.003	SW15	61	97.391	-1.080	0.000	0.00			5.2	OK
S4.004	SW16	61	97.392	-1.082	0.000	0.01			6.7	OK
S1.007	SW6	61	97.392	-0.862	0.000	0.02			19.8	OK

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Summary Wizard of 240 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	61	97.391	-0.833	0.000	0.01			18.5
S1.009	SW8	61	97.388	-0.787	0.000	0.01			16.7
S1.010	SW9	61	97.384	0.253	0.000	0.18			15.1
S1.011	SEX UU 1	59	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	57	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	64	97.428	-1.322	0.000	0.00			5.1	OK
S1.001	SW17	66	97.390	-1.315	0.000	0.00			5.1	OK
S1.002	SW1	67	97.372	-1.301	0.000	0.01			7.7	OK
S1.003	SW2	67	97.369	-1.270	0.000	0.00			10.8	OK
S2.000	SW10a	63	97.471	-1.342	0.000	0.00			1.0	OK
S3.000	SW10c	65	97.367	-1.273	0.000	0.00			1.0	OK
S2.001	SW10b	65	97.367	-1.259	0.000	0.00			2.0	OK
S2.002	SW10	65	97.367	-1.247	0.000	0.00			3.1	OK
S2.003	SW11	65	97.367	-1.225	0.000	0.00			4.6	OK
S1.004	SW3	65	97.367	-1.099	0.000	0.01			14.2	OK
S1.005	SW4	65	97.367	-1.043	0.000	0.01			15.7	OK
S1.006	SW5	65	97.367	-0.988	0.000	0.01			13.4	OK
S4.000	SW12	65	97.366	-1.284	0.000	0.00			1.3	OK
S4.001	SW13	65	97.367	-1.160	0.000	0.00			2.2	OK
S4.002	SW14	65	97.367	-1.133	0.000	0.00			3.3	OK
S4.003	SW15	65	97.367	-1.105	0.000	0.00			4.3	OK
S4.004	SW16	65	97.367	-1.107	0.000	0.00			5.7	OK
S1.007	SW6	65	97.367	-0.886	0.000	0.02			17.0	OK

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Summary Wizard of 360 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	65	97.366	-0.858	0.000	0.01			16.4
S1.009	SW8	65	97.364	-0.812	0.000	0.01			15.3
S1.010	SW9	65	97.360	0.229	0.000	0.18			15.1
S1.011	SEX UU 1	64	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	64	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	66	97.422	-1.328	0.000	0.00			4.2	OK
S1.001	SW17	68	97.383	-1.322	0.000	0.00			4.2	OK
S1.002	SW1	68	97.357	-1.316	0.000	0.01			6.3	OK
S1.003	SW2	68	97.341	-1.298	0.000	0.00			8.9	OK
S2.000	SW10a	65	97.470	-1.343	0.000	0.00			0.8	OK
S3.000	SW10c	68	97.339	-1.301	0.000	0.00			0.8	OK
S2.001	SW10b	68	97.339	-1.287	0.000	0.00			1.7	OK
S2.002	SW10	68	97.339	-1.275	0.000	0.00			2.6	OK
S2.003	SW11	67	97.339	-1.253	0.000	0.00			3.9	OK
S1.004	SW3	67	97.339	-1.127	0.000	0.01			12.1	OK
S1.005	SW4	67	97.339	-1.071	0.000	0.01			13.5	OK
S1.006	SW5	67	97.338	-1.017	0.000	0.01			12.1	OK
S4.000	SW12	67	97.338	-1.312	0.000	0.00			1.0	OK
S4.001	SW13	67	97.338	-1.189	0.000	0.00			1.9	OK
S4.002	SW14	67	97.338	-1.162	0.000	0.00			2.9	OK
S4.003	SW15	67	97.338	-1.134	0.000	0.00			3.8	OK
S4.004	SW16	67	97.338	-1.136	0.000	0.00			5.2	OK
S1.007	SW6	67	97.338	-0.915	0.000	0.02			15.5	OK

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Summary Wizard of 480 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	67	97.337	-0.886	0.000	0.01			15.2
S1.009	SW8	67	97.335	-0.841	0.000	0.01			14.6
S1.010	SW9	67	97.331	0.200	0.000	0.18			15.1
S1.011	SEX UU 1	67	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	67	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	68	97.419	-1.331	0.000	0.00			3.6	OK
S1.001	SW17	69	97.379	-1.326	0.000	0.00			3.6	OK
S1.002	SW1	69	97.352	-1.321	0.000	0.00			5.4	OK
S1.003	SW2	71	97.318	-1.321	0.000	0.00			7.7	OK
S2.000	SW10a	67	97.469	-1.344	0.000	0.00			0.7	OK
S3.000	SW10c	72	97.310	-1.330	0.000	0.00			0.7	OK
S2.001	SW10b	72	97.310	-1.316	0.000	0.00			1.4	OK
S2.002	SW10	72	97.310	-1.304	0.000	0.00			2.3	OK
S2.003	SW11	72	97.309	-1.283	0.000	0.00			3.4	OK
S1.004	SW3	71	97.309	-1.157	0.000	0.01			10.9	OK
S1.005	SW4	71	97.309	-1.101	0.000	0.01			12.2	OK
S1.006	SW5	71	97.309	-1.047	0.000	0.00			11.1	OK
S4.000	SW12	72	97.309	-1.341	0.000	0.00			0.9	OK
S4.001	SW13	72	97.308	-1.218	0.000	0.00			1.8	OK
S4.002	SW14	71	97.309	-1.191	0.000	0.00			2.7	OK
S4.003	SW15	71	97.309	-1.163	0.000	0.00			3.5	OK
S4.004	SW16	71	97.309	-1.165	0.000	0.00			4.8	OK
S1.007	SW6	71	97.309	-0.945	0.000	0.02			14.4	OK

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Summary Wizard of 600 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	71	97.308	-0.916	0.000	0.01			14.4
S1.009	SW8	71	97.306	-0.870	0.000	0.01			14.2
S1.010	SW9	71	97.302	0.171	0.000	0.18			15.0
S1.011	SEX UU 1	71	95.890	0.020	0.000	1.15			15.0
S1.012	SEX UU 2	71	94.627	-1.156	0.000	0.01			15.0

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	69	97.416	-1.334	0.000	0.00			3.1	OK
S1.001	SW17	70	97.376	-1.329	0.000	0.00			3.1	OK
S1.002	SW1	71	97.349	-1.324	0.000	0.00			4.8	OK
S1.003	SW2	75	97.307	-1.332	0.000	0.00			6.8	OK
S2.000	SW10a	69	97.468	-1.345	0.000	0.00			0.6	OK
S3.000	SW10c	74	97.296	-1.344	0.000	0.00			0.6	OK
S2.001	SW10b	75	97.287	-1.339	0.000	0.00			1.3	OK
S2.002	SW10	75	97.285	-1.330	0.000	0.00			2.0	OK
S2.003	SW11	75	97.280	-1.312	0.000	0.00			3.0	OK
S1.004	SW3	75	97.279	-1.186	0.000	0.01			9.7	OK
S1.005	SW4	75	97.279	-1.131	0.000	0.01			10.9	OK
S1.006	SW5	75	97.279	-1.077	0.000	0.00			10.1	OK
S4.000	SW12	75	97.302	-1.348	0.000	0.00			0.8	OK
S4.001	SW13	75	97.279	-1.248	0.000	0.00			1.7	OK
S4.002	SW14	75	97.279	-1.221	0.000	0.00			2.5	OK
S4.003	SW15	75	97.279	-1.193	0.000	0.00			3.3	OK
S4.004	SW16	75	97.279	-1.195	0.000	0.00			4.5	OK
S1.007	SW6	75	97.278	-0.975	0.000	0.01			13.6	OK

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Summary Wizard of 720 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	75	97.278	-0.946	0.000	0.01			13.8
S1.009	SW8	75	97.276	-0.900	0.000	0.01			13.8
S1.010	SW9	75	97.272	0.141	0.000	0.17			14.9
S1.011	SEX UU 1	75	95.889	0.019	0.000	1.14			14.9
S1.012	SEX UU 2	75	94.626	-1.157	0.000	0.01			14.9

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	73	97.413	-1.337	0.000	0.00			2.6	OK
S1.001	SW17	73	97.372	-1.333	0.000	0.00			2.6	OK
S1.002	SW1	73	97.344	-1.329	0.000	0.00			3.9	OK
S1.003	SW2	76	97.302	-1.337	0.000	0.00			5.5	OK
S2.000	SW10a	72	97.467	-1.346	0.000	0.00			0.5	OK
S3.000	SW10c	76	97.295	-1.345	0.000	0.00			0.5	OK
S2.001	SW10b	76	97.285	-1.341	0.000	0.00			1.0	OK
S2.002	SW10	76	97.277	-1.337	0.000	0.00			1.6	OK
S2.003	SW11	77	97.248	-1.344	0.000	0.00			2.5	OK
S1.004	SW3	77	97.222	-1.244	0.000	0.00			8.0	OK
S1.005	SW4	77	97.219	-1.191	0.000	0.01			9.3	OK
S1.006	SW5	77	97.218	-1.137	0.000	0.00			8.7	OK
S4.000	SW12	76	97.302	-1.348	0.000	0.00			0.6	OK
S4.001	SW13	77	97.221	-1.306	0.000	0.00			1.4	OK
S4.002	SW14	77	97.221	-1.279	0.000	0.00			2.2	OK
S4.003	SW15	77	97.220	-1.252	0.000	0.00			3.0	OK
S4.004	SW16	77	97.220	-1.254	0.000	0.00			4.1	OK
S1.007	SW6	77	97.218	-1.035	0.000	0.01			12.5	OK

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Summary Wizard of 960 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	77	97.218	-1.006	0.000	0.01			12.9
S1.009	SW8	77	97.216	-0.959	0.000	0.01			13.3
S1.010	SW9	77	97.213	0.082	0.000	0.17			14.7
S1.011	SEX UU 1	77	95.885	0.015	0.000	1.12			14.7
S1.012	SEX UU 2	77	94.626	-1.157	0.000	0.01			14.7

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	78	97.410	-1.340	0.000	0.00			1.9	OK
S1.001	SW17	78	97.367	-1.338	0.000	0.00			1.9	OK
S1.002	SW1	79	97.339	-1.334	0.000	0.00			2.9	OK
S1.003	SW2	79	97.299	-1.340	0.000	0.00			4.1	OK
S2.000	SW10a	78	97.466	-1.347	0.000	0.00			0.4	OK
S3.000	SW10c	79	97.293	-1.347	0.000	0.00			0.4	OK
S2.001	SW10b	79	97.282	-1.344	0.000	0.00			0.8	OK
S2.002	SW10	79	97.274	-1.340	0.000	0.00			1.2	OK
S2.003	SW11	79	97.247	-1.346	0.000	0.00			1.8	OK
S1.004	SW3	82	97.149	-1.317	0.000	0.00			6.2	OK
S1.005	SW4	82	97.122	-1.288	0.000	0.00			7.3	OK
S1.006	SW5	82	97.112	-1.243	0.000	0.00			7.1	OK
S4.000	SW12	79	97.301	-1.349	0.000	0.00			0.5	OK
S4.001	SW13	81	97.185	-1.342	0.000	0.00			1.1	OK
S4.002	SW14	82	97.165	-1.335	0.000	0.00			1.7	OK
S4.003	SW15	82	97.151	-1.320	0.000	0.00			2.3	OK
S4.004	SW16	82	97.143	-1.331	0.000	0.00			3.3	OK
S1.007	SW6	82	97.111	-1.143	0.000	0.01			10.8	OK

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Summary Wizard of 1440 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	82	97.108	-1.115	0.000	0.01			11.5
S1.009	SW8	82	97.107	-1.068	0.000	0.01			12.3
S1.010	SW9	82	97.106	-0.025	0.000	0.16			14.1
S1.011	SEX UU 1	82	95.875	0.005	0.000	1.07			14.1
S1.012	SEX UU 2	82	94.624	-1.159	0.000	0.01			14.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	OK
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2160 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	85	97.407	-1.343	0.000	0.00			1.4	OK
S1.001	SW17	85	97.364	-1.341	0.000	0.00			1.4	OK
S1.002	SW1	85	97.335	-1.338	0.000	0.00			2.2	OK
S1.003	SW2	85	97.296	-1.343	0.000	0.00			3.1	OK
S2.000	SW10a	85	97.466	-1.347	0.000	0.00			0.3	OK
S3.000	SW10c	85	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	85	97.281	-1.345	0.000	0.00			0.6	OK
S2.002	SW10	85	97.272	-1.342	0.000	0.00			0.9	OK
S2.003	SW11	85	97.245	-1.347	0.000	0.00			1.4	OK
S1.004	SW3	86	97.137	-1.329	0.000	0.00			4.6	OK
S1.005	SW4	87	97.085	-1.325	0.000	0.00			5.5	OK
S1.006	SW5	87	97.036	-1.319	0.000	0.00			5.5	OK
S4.000	SW12	85	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13	85	97.182	-1.344	0.000	0.00			0.8	OK
S4.002	SW14	85	97.161	-1.339	0.000	0.00			1.3	OK
S4.003	SW15	85	97.146	-1.326	0.000	0.00			1.8	OK
S4.004	SW16	85	97.138	-1.336	0.000	0.00			2.5	OK
S1.007	SW6	87	97.017	-1.236	0.000	0.01			8.5	OK

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Summary Wizard of 2160 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	87	96.999	-1.224	0.000	0.01			9.2	OK
S1.009	SW8	87	96.986	-1.189	0.000	0.01			10.4	OK
S1.010	SW9	87	96.980	-0.151	0.000	0.15			12.5	OK
S1.011	SEX UU 1	87	95.836	-0.034	0.000	0.95			12.5	OK
S1.012	SEX UU 2	87	94.620	-1.163	0.000	0.01			12.5	OK

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Summary Wizard of 2880 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	91	97.406	-1.344	0.000	0.00			1.2	OK
S1.001	SW17	91	97.362	-1.343	0.000	0.00			1.2	OK
S1.002	SW1	91	97.333	-1.340	0.000	0.00			1.8	OK
S1.003	SW2	91	97.295	-1.344	0.000	0.00			2.5	OK
S2.000	SW10a	91	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	91	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	91	97.280	-1.346	0.000	0.00			0.5	OK
S2.002	SW10	91	97.270	-1.344	0.000	0.00			0.7	OK
S2.003	SW11	91	97.245	-1.347	0.000	0.00			1.1	OK
S1.004	SW3	91	97.133	-1.333	0.000	0.00			3.8	OK
S1.005	SW4	91	97.079	-1.331	0.000	0.00			4.5	OK
S1.006	SW5	91	97.023	-1.332	0.000	0.00			4.5	OK
S4.000	SW12	91	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	91	97.181	-1.345	0.000	0.00			0.6	OK
S4.002	SW14	91	97.158	-1.341	0.000	0.00			1.0	OK
S4.003	SW15	91	97.143	-1.329	0.000	0.00			1.4	OK
S4.004	SW16	91	97.136	-1.338	0.000	0.00			2.0	OK
S1.007	SW6	91	96.984	-1.270	0.000	0.01			7.0	OK

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Summary Wizard of 2880 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	91	96.958	-1.265	0.000	0.01			7.7	OK
S1.009	SW8	91	96.938	-1.238	0.000	0.01			8.7	OK
S1.010	SW9	91	96.921	-0.210	0.000	0.13			10.7	OK
S1.011	SEX UU 1	91	95.823	-0.047	0.000	0.82			10.7	OK
S1.012	SEX UU 2	91	94.615	-1.168	0.000	0.01			10.7	OK

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Summary Wizard of 4320 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	98	97.404	-1.346	0.000	0.00			0.9	OK
S1.001	SW17	98	97.361	-1.344	0.000	0.00			0.9	OK
S1.002	SW1	98	97.331	-1.342	0.000	0.00			1.3	OK
S1.003	SW2	98	97.294	-1.345	0.000	0.00			1.9	OK
S2.000	SW10a	98	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	98	97.291	-1.349	0.000	0.00			0.2	OK
S2.001	SW10b	98	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	98	97.269	-1.345	0.000	0.00			0.6	OK
S2.003	SW11	98	97.244	-1.348	0.000	0.00			0.8	OK
S1.004	SW3	98	97.128	-1.338	0.000	0.00			2.8	OK
S1.005	SW4	98	97.074	-1.336	0.000	0.00			3.4	OK
S1.006	SW5	98	97.016	-1.339	0.000	0.00			3.4	OK
S4.000	SW12	98	97.301	-1.349	0.000	0.00			0.2	OK
S4.001	SW13	98	97.180	-1.347	0.000	0.00			0.5	OK
S4.002	SW14	98	97.156	-1.344	0.000	0.00			0.8	OK
S4.003	SW15	98	97.139	-1.333	0.000	0.00			1.1	OK
S4.004	SW16	98	97.133	-1.341	0.000	0.00			1.5	OK
S1.007	SW6	98	96.959	-1.294	0.000	0.01			5.2	OK

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Summary Wizard of 4320 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	98	96.930	-1.294	0.000	0.00			5.7	OK
S1.009	SW8	98	96.903	-1.272	0.000	0.00			6.5	OK
S1.010	SW9	98	96.883	-0.248	0.000	0.09			8.0	OK
S1.011	SEX UU 1	98	95.805	-0.065	0.000	0.61			8.0	OK
S1.012	SEX UU 2	98	94.608	-1.175	0.000	0.00			8.0	OK

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Summary Wizard of 5760 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	103		97.404	-1.346	0.000	0.00			0.7	OK
S1.001	SW17	103		97.359	-1.346	0.000	0.00			0.7	OK
S1.002	SW1	103		97.329	-1.344	0.000	0.00			1.1	OK
S1.003	SW2	103		97.293	-1.346	0.000	0.00			1.5	OK
S2.000	SW10a	103		97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	103		97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	103		97.278	-1.348	0.000	0.00			0.3	OK
S2.002	SW10	103		97.268	-1.346	0.000	0.00			0.5	OK
S2.003	SW11	103		97.244	-1.348	0.000	0.00			0.7	OK
S1.004	SW3	103		97.126	-1.340	0.000	0.00			2.3	OK
S1.005	SW4	103		97.072	-1.338	0.000	0.00			2.7	OK
S1.006	SW5	103		97.014	-1.342	0.000	0.00			2.7	OK
S4.000	SW12	103		97.300	-1.350	0.000	0.00			0.2	OK
S4.001	SW13	103		97.179	-1.347	0.000	0.00			0.4	OK
S4.002	SW14	103		97.155	-1.345	0.000	0.00			0.6	OK
S4.003	SW15	103		97.136	-1.335	0.000	0.00			0.9	OK
S4.004	SW16	103		97.131	-1.343	0.000	0.00			1.2	OK
S1.007	SW6	103		96.948	-1.306	0.000	0.00			4.2	OK

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Summary Wizard of 5760 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	103	96.917	-1.307	0.000	0.00			4.7	OK
S1.009	SW8	103	96.887	-1.288	0.000	0.00			5.3	OK
S1.010	SW9	103	96.866	-0.265	0.000	0.08			6.5	OK
S1.011	SEX UU 1	103	95.795	-0.075	0.000	0.50			6.5	OK
S1.012	SEX UU 2	103	94.604	-1.179	0.000	0.00			6.5	OK

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Summary Wizard of 7200 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	106		97.403	-1.347	0.000	0.00			0.6	OK
S1.001	SW17	106		97.359	-1.346	0.000	0.00			0.6	OK
S1.002	SW1	106		97.328	-1.345	0.000	0.00			0.9	OK
S1.003	SW2	106		97.292	-1.347	0.000	0.00			1.3	OK
S2.000	SW10a	106		97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	106		97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	106		97.278	-1.348	0.000	0.00			0.2	OK
S2.002	SW10	106		97.268	-1.347	0.000	0.00			0.4	OK
S2.003	SW11	106		97.243	-1.349	0.000	0.00			0.6	OK
S1.004	SW3	106		97.125	-1.341	0.000	0.00			2.0	OK
S1.005	SW4	106		97.070	-1.340	0.000	0.00			2.3	OK
S1.006	SW5	106		97.012	-1.343	0.000	0.00			2.3	OK
S4.000	SW12	106		97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	106		97.179	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	106		97.154	-1.346	0.000	0.00			0.5	OK
S4.003	SW15	106		97.135	-1.337	0.000	0.00			0.7	OK
S4.004	SW16	106		97.130	-1.344	0.000	0.00			1.1	OK
S1.007	SW6	106		96.941	-1.313	0.000	0.00			3.6	OK

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Summary Wizard of 7200 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	106	96.909	-1.315	0.000	0.00			4.0	OK
S1.009	SW8	106	96.877	-1.298	0.000	0.00			4.5	OK
S1.010	SW9	106	96.856	-0.275	0.000	0.07			5.6	OK
S1.011	SEX UU 1	106	95.788	-0.082	0.000	0.43			5.6	OK
S1.012	SEX UU 2	106	94.601	-1.182	0.000	0.00			5.6	OK

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Summary Wizard of 8640 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	109	97.403	-1.347	0.000	0.00			0.5	OK
S1.001	SW17	109	97.358	-1.347	0.000	0.00			0.5	OK
S1.002	SW1	109	97.328	-1.345	0.000	0.00			0.8	OK
S1.003	SW2	109	97.292	-1.347	0.000	0.00			1.2	OK
S2.000	SW10a	109	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	109	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	109	97.278	-1.348	0.000	0.00			0.2	OK
S2.002	SW10	109	97.267	-1.347	0.000	0.00			0.3	OK
S2.003	SW11	109	97.243	-1.349	0.000	0.00			0.5	OK
S1.004	SW3	109	97.123	-1.342	0.000	0.00			1.7	OK
S1.005	SW4	109	97.069	-1.341	0.000	0.00			2.1	OK
S1.006	SW5	109	97.011	-1.344	0.000	0.00			2.1	OK
S4.000	SW12	109	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	109	97.179	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	109	97.153	-1.346	0.000	0.00			0.5	OK
S4.003	SW15	109	97.134	-1.338	0.000	0.00			0.7	OK
S4.004	SW16	109	97.130	-1.344	0.000	0.00			0.9	OK
S1.007	SW6	109	96.936	-1.317	0.000	0.00			3.2	OK

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Summary Wizard of 8640 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	109	96.904	-1.320	0.000	0.00			3.5	OK
S1.009	SW8	109	96.871	-1.305	0.000	0.00			4.0	OK
S1.010	SW9	109	96.848	-0.283	0.000	0.06			4.9	OK
S1.011	SEX UU 1	109	95.783	-0.087	0.000	0.37			4.9	OK
S1.012	SEX UU 2	109	94.599	-1.184	0.000	0.00			4.9	OK

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Summary Wizard of 10080 minute 2 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	111		97.402	-1.348	0.000	0.00			0.5	OK
S1.001	SW17	111		97.358	-1.347	0.000	0.00			0.5	OK
S1.002	SW1	111		97.327	-1.346	0.000	0.00			0.7	OK
S1.003	SW2	111		97.291	-1.348	0.000	0.00			1.0	OK
S2.000	SW10a	111		97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	111		97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	111		97.277	-1.349	0.000	0.00			0.2	OK
S2.002	SW10	111		97.267	-1.347	0.000	0.00			0.3	OK
S2.003	SW11	111		97.243	-1.349	0.000	0.00			0.5	OK
S1.004	SW3	111		97.123	-1.343	0.000	0.00			1.5	OK
S1.005	SW4	111		97.068	-1.342	0.000	0.00			1.8	OK
S1.006	SW5	111		97.011	-1.345	0.000	0.00			1.8	OK
S4.000	SW12	111		97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	111		97.178	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	111		97.153	-1.347	0.000	0.00			0.4	OK
S4.003	SW15	111		97.133	-1.339	0.000	0.00			0.6	OK
S4.004	SW16	111		97.129	-1.345	0.000	0.00			0.8	OK
S1.007	SW6	111		96.933	-1.321	0.000	0.00			2.9	OK

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Summary Wizard of 10080 minute 2 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	111	96.900	-1.324	0.000	0.00			3.1	OK
S1.009	SW8	111	96.865	-1.310	0.000	0.00			3.6	OK
S1.010	SW9	111	96.842	-0.289	0.000	0.05			4.4	OK
S1.011	SEX UU 1	111	95.780	-0.090	0.000	0.34			4.4	OK
S1.012	SEX UU 2	111	94.597	-1.186	0.000	0.00			4.4	OK

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Summary Wizard of 15 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	45	97.608	-1.142	0.000	0.04			60.0	OK
S1.001	SW17	47	97.569	-1.136	0.000	0.05			56.5	OK
S1.002	SW1	50	97.544	-1.129	0.000	0.06			77.9	OK
S1.003	SW2	50	97.518	-1.121	0.000	0.04			106.1	OK
S2.000	SW10a	47	97.559	-1.254	0.000	0.01			11.9	OK
S3.000	SW10c	50	97.518	-1.122	0.000	0.01			8.9	OK
S2.001	SW10b	50	97.518	-1.108	0.000	0.02			17.9	OK
S2.002	SW10	50	97.518	-1.096	0.000	0.03			25.5	OK
S2.003	SW11	50	97.518	-1.074	0.000	0.01			37.3	OK
S1.004	SW3	50	97.518	-0.948	0.000	0.07			125.0	OK
S1.005	SW4	50	97.518	-0.892	0.000	0.08			126.9	OK
S1.006	SW5	50	97.517	-0.838	0.000	0.04			101.8	OK
S4.000	SW12	50	97.516	-1.134	0.000	0.01			14.0	OK
S4.001	SW13	50	97.516	-1.010	0.000	0.02			22.3	OK
S4.002	SW14	50	97.517	-0.983	0.000	0.03			32.5	OK
S4.003	SW15	50	97.517	-0.955	0.000	0.03			42.1	OK
S4.004	SW16	50	97.517	-0.957	0.000	0.04			47.7	OK
S1.007	SW6	50	97.517	-0.737	0.000	0.11			104.9	OK

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Summary Wizard of 15 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	50	97.515	-0.708	0.000	0.06			86.2
S1.009	SW8	50	97.512	-0.664	0.000	0.03			48.8
S1.010	SW9	50	97.507	0.376	0.000	0.18			15.1
S1.011	SEX UU 1	41	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	41	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	46	97.604	-1.146	0.000	0.03			46.8	OK
S1.001	SW17	45	97.604	-1.101	0.000	0.04			44.2	OK
S1.002	SW1	45	97.604	-1.069	0.000	0.05			65.9	OK
S1.003	SW2	45	97.604	-1.035	0.000	0.03			88.0	OK
S2.000	SW10a	45	97.603	-1.210	0.000	0.01			9.2	OK
S3.000	SW10c	45	97.603	-1.037	0.000	0.01			7.0	OK
S2.001	SW10b	45	97.603	-1.023	0.000	0.01			12.8	OK
S2.002	SW10	45	97.604	-1.011	0.000	0.02			20.0	OK
S2.003	SW11	45	97.604	-0.989	0.000	0.01			27.4	OK
S1.004	SW3	45	97.604	-0.862	0.000	0.05			91.0	OK
S1.005	SW4	45	97.604	-0.806	0.000	0.05			89.9	OK
S1.006	SW5	45	97.603	-0.752	0.000	0.03			64.3	OK
S4.000	SW12	45	97.602	-1.048	0.000	0.00			10.3	OK
S4.001	SW13	45	97.603	-0.924	0.000	0.01			16.3	OK
S4.002	SW14	45	97.603	-0.897	0.000	0.02			23.7	OK
S4.003	SW15	45	97.603	-0.869	0.000	0.02			28.2	OK
S4.004	SW16	45	97.603	-0.871	0.000	0.02			27.3	OK
S1.007	SW6	45	97.603	-0.651	0.000	0.05			51.9	OK

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Summary Wizard of 30 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	45	97.602	-0.622	0.000	0.03			42.4
S1.009	SW8	45	97.599	-0.577	0.000	0.02			26.3
S1.010	SW9	45	97.594	0.463	0.000	0.18			15.1
S1.011	SEX UU 1	52	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	54	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	37	97.673	-1.077	0.000	0.02			32.3	OK
S1.001	SW17	37	97.673	-1.032	0.000	0.03			31.0	OK
S1.002	SW1	37	97.674	-0.999	0.000	0.04			44.2	OK
S1.003	SW2	37	97.674	-0.965	0.000	0.02			60.1	OK
S2.000	SW10a	37	97.673	-1.140	0.000	0.01			6.4	OK
S3.000	SW10c	37	97.673	-0.967	0.000	0.00			4.0	OK
S2.001	SW10b	37	97.673	-0.953	0.000	0.01			6.8	OK
S2.002	SW10	37	97.674	-0.940	0.000	0.01			9.9	OK
S2.003	SW11	37	97.674	-0.918	0.000	0.01			13.8	OK
S1.004	SW3	37	97.674	-0.792	0.000	0.03			51.8	OK
S1.005	SW4	37	97.674	-0.736	0.000	0.03			53.5	OK
S1.006	SW5	37	97.673	-0.683	0.000	0.02			35.8	OK
S4.000	SW12	37	97.672	-0.978	0.000	0.00			5.5	OK
S4.001	SW13	37	97.672	-0.855	0.000	0.01			7.1	OK
S4.002	SW14	37	97.672	-0.828	0.000	0.01			10.1	OK
S4.003	SW15	38	97.672	-0.799	0.000	0.01			12.8	OK
S4.004	SW16	37	97.673	-0.801	0.000	0.01			12.1	OK
S1.007	SW6	37	97.673	-0.581	0.000	0.03			29.6	OK

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Summary Wizard of 60 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	37	97.672	-0.552	0.000	0.02			25.5
S1.009	SW8	37	97.668	-0.507	0.000	0.01			19.6
S1.010	SW9	37	97.663	0.532	0.000	0.18			15.1
S1.011	SEX UU 1	47	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	51	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	33	97.710	-1.040	0.000	0.01			20.3	OK
S1.001	SW17	33	97.710	-0.995	0.000	0.02			19.0	OK
S1.002	SW1	33	97.710	-0.963	0.000	0.02			27.1	OK
S1.003	SW2	33	97.710	-0.929	0.000	0.01			36.4	OK
S2.000	SW10a	33	97.709	-1.104	0.000	0.00			4.2	OK
S3.000	SW10c	33	97.709	-0.931	0.000	0.00			2.0	OK
S2.001	SW10b	33	97.710	-0.916	0.000	0.00			3.8	OK
S2.002	SW10	33	97.710	-0.904	0.000	0.01			5.6	OK
S2.003	SW11	33	97.710	-0.882	0.000	0.00			7.8	OK
S1.004	SW3	33	97.710	-0.756	0.000	0.02			28.6	OK
S1.005	SW4	33	97.710	-0.700	0.000	0.02			30.8	OK
S1.006	SW5	33	97.709	-0.646	0.000	0.01			21.1	OK
S4.000	SW12	33	97.709	-0.941	0.000	0.00			2.9	OK
S4.001	SW13	33	97.709	-0.818	0.000	0.00			3.7	OK
S4.002	SW14	33	97.709	-0.791	0.000	0.00			5.1	OK
S4.003	SW15	33	97.709	-0.762	0.000	0.00			6.5	OK
S4.004	SW16	33	97.709	-0.765	0.000	0.01			7.3	OK
S1.007	SW6	33	97.709	-0.544	0.000	0.02			20.7	OK

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Summary Wizard of 120 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	33	97.708	-0.516	0.000	0.01			19.2
S1.009	SW8	33	97.704	-0.471	0.000	0.01			16.6
S1.010	SW9	33	97.698	0.567	0.000	0.18			15.1
S1.011	SEX UU 1	46	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	43	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	35	97.707	-1.043	0.000	0.01			15.0	OK
S1.001	SW17	35	97.707	-0.998	0.000	0.01			13.6	OK
S1.002	SW1	35	97.707	-0.966	0.000	0.02			19.6	OK
S1.003	SW2	35	97.707	-0.932	0.000	0.01			26.7	OK
S2.000	SW10a	35	97.706	-1.107	0.000	0.00			3.1	OK
S3.000	SW10c	35	97.706	-0.934	0.000	0.00			1.6	OK
S2.001	SW10b	35	97.707	-0.919	0.000	0.00			3.0	OK
S2.002	SW10	35	97.707	-0.907	0.000	0.01			4.6	OK
S2.003	SW11	35	97.707	-0.885	0.000	0.00			6.4	OK
S1.004	SW3	35	97.707	-0.759	0.000	0.01			21.5	OK
S1.005	SW4	35	97.707	-0.703	0.000	0.01			23.6	OK
S1.006	SW5	35	97.706	-0.649	0.000	0.01			17.9	OK
S4.000	SW12	35	97.706	-0.944	0.000	0.00			2.2	OK
S4.001	SW13	35	97.706	-0.821	0.000	0.00			2.9	OK
S4.002	SW14	35	97.706	-0.793	0.000	0.00			4.1	OK
S4.003	SW15	35	97.707	-0.765	0.000	0.00			5.1	OK
S4.004	SW16	35	97.706	-0.768	0.000	0.00			6.0	OK
S1.007	SW6	35	97.706	-0.547	0.000	0.02			19.2	OK

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Summary Wizard of 180 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	35	97.705	-0.519	0.000	0.01			18.1
S1.009	SW8	35	97.701	-0.474	0.000	0.01			16.1
S1.010	SW9	35	97.695	0.564	0.000	0.18			15.1
S1.011	SEX UU 1	20	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	31	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	36	97.697	-1.053	0.000	0.01			12.1	OK
S1.001	SW17	36	97.697	-1.008	0.000	0.01			10.9	OK
S1.002	SW1	36	97.697	-0.976	0.000	0.01			15.9	OK
S1.003	SW2	36	97.697	-0.942	0.000	0.01			21.7	OK
S2.000	SW10a	36	97.697	-1.116	0.000	0.00			2.5	OK
S3.000	SW10c	36	97.696	-0.944	0.000	0.00			1.4	OK
S2.001	SW10b	36	97.697	-0.929	0.000	0.00			2.6	OK
S2.002	SW10	36	97.697	-0.917	0.000	0.00			4.0	OK
S2.003	SW11	36	97.697	-0.895	0.000	0.00			5.7	OK
S1.004	SW3	36	97.697	-0.769	0.000	0.01			18.8	OK
S1.005	SW4	36	97.697	-0.713	0.000	0.01			20.4	OK
S1.006	SW5	36	97.697	-0.659	0.000	0.01			16.0	OK
S4.000	SW12	36	97.696	-0.954	0.000	0.00			1.8	OK
S4.001	SW13	36	97.696	-0.831	0.000	0.00			2.6	OK
S4.002	SW14	36	97.696	-0.804	0.000	0.00			3.7	OK
S4.003	SW15	36	97.696	-0.776	0.000	0.00			4.8	OK
S4.004	SW16	36	97.696	-0.778	0.000	0.00			5.9	OK
S1.007	SW6	36	97.696	-0.557	0.000	0.02			18.6	OK

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Summary Wizard of 240 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	36	97.695	-0.529	0.000	0.01			17.5
S1.009	SW8	36	97.691	-0.484	0.000	0.01			15.9
S1.010	SW9	36	97.685	0.554	0.000	0.18			15.1
S1.011	SEX UU 1	19	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	27	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	38	97.673	-1.077	0.000	0.01			9.0	OK
S1.001	SW17	38	97.673	-1.032	0.000	0.01			8.1	OK
S1.002	SW1	38	97.673	-1.000	0.000	0.01			11.8	OK
S1.003	SW2	38	97.673	-0.966	0.000	0.01			16.3	OK
S2.000	SW10a	38	97.672	-1.141	0.000	0.00			1.9	OK
S3.000	SW10c	38	97.673	-0.967	0.000	0.00			1.1	OK
S2.001	SW10b	38	97.673	-0.953	0.000	0.00			2.2	OK
S2.002	SW10	38	97.673	-0.941	0.000	0.00			3.3	OK
S2.003	SW11	38	97.673	-0.919	0.000	0.00			4.8	OK
S1.004	SW3	38	97.673	-0.793	0.000	0.01			15.6	OK
S1.005	SW4	38	97.673	-0.737	0.000	0.01			16.9	OK
S1.006	SW5	38	97.673	-0.683	0.000	0.01			13.8	OK
S4.000	SW12	38	97.672	-0.978	0.000	0.00			1.5	OK
S4.001	SW13	38	97.672	-0.855	0.000	0.00			2.3	OK
S4.002	SW14	38	97.672	-0.828	0.000	0.00			3.3	OK
S4.003	SW15	37	97.672	-0.799	0.000	0.00			4.4	OK
S4.004	SW16	38	97.672	-0.802	0.000	0.00			5.7	OK
S1.007	SW6	38	97.672	-0.581	0.000	0.02			17.1	OK

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Summary Wizard of 360 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	38	97.671	-0.553	0.000	0.01			16.4
S1.009	SW8	38	97.668	-0.508	0.000	0.01			15.3
S1.010	SW9	38	97.661	0.530	0.000	0.18			15.1
S1.011	SEX UU 1	32	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	18	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	42	97.650	-1.100	0.000	0.00			7.3	OK
S1.001	SW17	42	97.649	-1.056	0.000	0.01			6.7	OK
S1.002	SW1	42	97.649	-1.024	0.000	0.01			9.7	OK
S1.003	SW2	42	97.649	-0.990	0.000	0.01			13.4	OK
S2.000	SW10a	42	97.649	-1.164	0.000	0.00			1.5	OK
S3.000	SW10c	42	97.649	-0.991	0.000	0.00			1.0	OK
S2.001	SW10b	42	97.649	-0.977	0.000	0.00			1.9	OK
S2.002	SW10	42	97.649	-0.965	0.000	0.00			2.9	OK
S2.003	SW11	42	97.649	-0.943	0.000	0.00			4.2	OK
S1.004	SW3	42	97.649	-0.816	0.000	0.01			13.6	OK
S1.005	SW4	42	97.649	-0.761	0.000	0.01			14.9	OK
S1.006	SW5	42	97.649	-0.707	0.000	0.01			12.4	OK
S4.000	SW12	42	97.648	-1.002	0.000	0.00			1.3	OK
S4.001	SW13	42	97.648	-0.879	0.000	0.00			2.2	OK
S4.002	SW14	42	97.648	-0.851	0.000	0.00			3.0	OK
S4.003	SW15	42	97.649	-0.823	0.000	0.00			4.0	OK
S4.004	SW16	42	97.649	-0.825	0.000	0.00			5.3	OK
S1.007	SW6	42	97.649	-0.605	0.000	0.02			15.8	OK

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Summary Wizard of 480 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	42	97.648	-0.576	0.000	0.01			15.4
S1.009	SW8	42	97.644	-0.532	0.000	0.01			14.8
S1.010	SW9	42	97.638	0.507	0.000	0.18			15.1
S1.011	SEX UU 1	31	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	16	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	44	97.624	-1.126	0.000	0.00			6.2	OK
S1.001	SW17	44	97.625	-1.080	0.000	0.00			5.8	OK
S1.002	SW1	44	97.625	-1.048	0.000	0.01			8.5	OK
S1.003	SW2	44	97.625	-1.014	0.000	0.00			11.7	OK
S2.000	SW10a	44	97.625	-1.188	0.000	0.00			1.3	OK
S3.000	SW10c	44	97.624	-1.016	0.000	0.00			0.9	OK
S2.001	SW10b	44	97.625	-1.001	0.000	0.00			1.7	OK
S2.002	SW10	44	97.625	-0.989	0.000	0.00			2.7	OK
S2.003	SW11	44	97.625	-0.967	0.000	0.00			3.8	OK
S1.004	SW3	44	97.625	-0.841	0.000	0.01			12.2	OK
S1.005	SW4	44	97.625	-0.785	0.000	0.01			13.4	OK
S1.006	SW5	44	97.624	-0.731	0.000	0.01			11.6	OK
S4.000	SW12	44	97.624	-1.026	0.000	0.00			1.2	OK
S4.001	SW13	44	97.624	-0.903	0.000	0.00			2.3	OK
S4.002	SW14	44	97.624	-0.876	0.000	0.00			3.1	OK
S4.003	SW15	44	97.624	-0.848	0.000	0.00			3.7	OK
S4.004	SW16	44	97.624	-0.850	0.000	0.00			5.0	OK
S1.007	SW6	44	97.624	-0.629	0.000	0.02			14.9	OK

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Summary Wizard of 600 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	44	97.623	-0.601	0.000	0.01			14.8
S1.009	SW8	44	97.620	-0.556	0.000	0.01			14.4
S1.010	SW9	44	97.614	0.483	0.000	0.18			15.1
S1.011	SEX UU 1	27	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	12	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	47	97.599	-1.151	0.000	0.00			5.5	OK
S1.001	SW17	46	97.599	-1.106	0.000	0.00			5.2	OK
S1.002	SW1	46	97.599	-1.074	0.000	0.01			7.6	OK
S1.003	SW2	46	97.599	-1.040	0.000	0.00			10.5	OK
S2.000	SW10a	46	97.598	-1.215	0.000	0.00			1.1	OK
S3.000	SW10c	46	97.598	-1.042	0.000	0.00			1.0	OK
S2.001	SW10b	46	97.599	-1.027	0.000	0.00			1.6	OK
S2.002	SW10	46	97.599	-1.016	0.000	0.00			2.4	OK
S2.003	SW11	46	97.599	-0.993	0.000	0.00			3.5	OK
S1.004	SW3	46	97.599	-0.867	0.000	0.01			11.3	OK
S1.005	SW4	46	97.599	-0.811	0.000	0.01			12.6	OK
S1.006	SW5	46	97.599	-0.757	0.000	0.00			11.0	OK
S4.000	SW12	46	97.598	-1.052	0.000	0.00			1.1	OK
S4.001	SW13	46	97.598	-0.928	0.000	0.00			2.0	OK
S4.002	SW14	46	97.599	-0.901	0.000	0.00			2.9	OK
S4.003	SW15	46	97.599	-0.873	0.000	0.00			3.5	OK
S4.004	SW16	46	97.598	-0.876	0.000	0.00			4.7	OK
S1.007	SW6	46	97.598	-0.655	0.000	0.01			14.3	OK

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Summary Wizard of 720 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	46	97.597	-0.627	0.000	0.01			14.2
S1.009	SW8	46	97.594	-0.582	0.000	0.01			14.1
S1.010	SW9	46	97.588	0.457	0.000	0.18			15.1
S1.011	SEX UU 1	21	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	15	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	51	97.547	-1.203	0.000	0.00			4.5	OK
S1.001	SW17	50	97.547	-1.158	0.000	0.00			4.3	OK
S1.002	SW1	49	97.547	-1.126	0.000	0.01			6.4	OK
S1.003	SW2	49	97.547	-1.092	0.000	0.00			8.9	OK
S2.000	SW10a	50	97.547	-1.266	0.000	0.00			0.9	OK
S3.000	SW10c	49	97.547	-1.093	0.000	0.00			1.0	OK
S2.001	SW10b	49	97.547	-1.079	0.000	0.00			1.4	OK
S2.002	SW10	49	97.547	-1.067	0.000	0.00			2.3	OK
S2.003	SW11	49	97.547	-1.045	0.000	0.00			3.2	OK
S1.004	SW3	49	97.547	-0.919	0.000	0.01			10.2	OK
S1.005	SW4	49	97.547	-0.863	0.000	0.01			11.4	OK
S1.006	SW5	49	97.547	-0.809	0.000	0.00			10.2	OK
S4.000	SW12	49	97.546	-1.104	0.000	0.00			0.9	OK
S4.001	SW13	49	97.546	-0.980	0.000	0.00			1.9	OK
S4.002	SW14	49	97.546	-0.953	0.000	0.00			2.7	OK
S4.003	SW15	49	97.546	-0.925	0.000	0.00			3.3	OK
S4.004	SW16	49	97.546	-0.928	0.000	0.00			4.3	OK
S1.007	SW6	49	97.547	-0.707	0.000	0.01			13.3	OK

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Summary Wizard of 960 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	49	97.545	-0.679	0.000	0.01			13.5
S1.009	SW8	49	97.542	-0.633	0.000	0.01			13.7
S1.010	SW9	49	97.537	0.406	0.000	0.18			15.1
S1.011	SEX UU 1	11	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	8	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	60	97.448	-1.302	0.000	0.00			3.3	OK
S1.001	SW17	59	97.447	-1.258	0.000	0.00			3.3	OK
S1.002	SW1	58	97.447	-1.226	0.000	0.00			5.0	OK
S1.003	SW2	54	97.446	-1.193	0.000	0.00			7.0	OK
S2.000	SW10a	68	97.468	-1.345	0.000	0.00			0.7	OK
S3.000	SW10c	54	97.446	-1.194	0.000	0.00			0.7	OK
S2.001	SW10b	54	97.446	-1.180	0.000	0.00			1.2	OK
S2.002	SW10	54	97.446	-1.168	0.000	0.00			1.9	OK
S2.003	SW11	54	97.446	-1.146	0.000	0.00			2.8	OK
S1.004	SW3	54	97.446	-1.020	0.000	0.01			9.0	OK
S1.005	SW4	54	97.446	-0.964	0.000	0.01			10.1	OK
S1.006	SW5	54	97.446	-0.910	0.000	0.00			9.1	OK
S4.000	SW12	54	97.445	-1.205	0.000	0.00			0.8	OK
S4.001	SW13	54	97.445	-1.081	0.000	0.00			1.7	OK
S4.002	SW14	54	97.446	-1.054	0.000	0.00			2.3	OK
S4.003	SW15	54	97.446	-1.026	0.000	0.00			2.8	OK
S4.004	SW16	54	97.446	-1.028	0.000	0.00			3.9	OK
S1.007	SW6	54	97.445	-0.808	0.000	0.01			12.3	OK

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Summary Wizard of 1440 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	54	97.444	-0.779	0.000	0.01			12.7
S1.009	SW8	54	97.442	-0.734	0.000	0.01			13.2
S1.010	SW9	54	97.438	0.307	0.000	0.18			15.1
S1.011	SEX UU 1	6	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	5	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2160 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	74	97.413	-1.337	0.000	0.00			2.4	OK
S1.001	SW17	74	97.371	-1.334	0.000	0.00			2.4	OK
S1.002	SW1	74	97.344	-1.329	0.000	0.00			3.7	OK
S1.003	SW2	72	97.318	-1.321	0.000	0.00			5.2	OK
S2.000	SW10a	73	97.467	-1.346	0.000	0.00			0.5	OK
S3.000	SW10c	71	97.311	-1.329	0.000	0.00			0.5	OK
S2.001	SW10b	71	97.310	-1.316	0.000	0.00			1.0	OK
S2.002	SW10	71	97.310	-1.304	0.000	0.00			1.5	OK
S2.003	SW11	71	97.309	-1.283	0.000	0.00			2.3	OK
S1.004	SW3	72	97.309	-1.157	0.000	0.00			7.6	OK
S1.005	SW4	72	97.309	-1.101	0.000	0.01			8.7	OK
S1.006	SW5	72	97.309	-1.047	0.000	0.00			8.2	OK
S4.000	SW12	71	97.309	-1.341	0.000	0.00			0.6	OK
S4.001	SW13	71	97.309	-1.218	0.000	0.00			1.3	OK
S4.002	SW14	72	97.309	-1.191	0.000	0.00			1.9	OK
S4.003	SW15	72	97.309	-1.163	0.000	0.00			2.6	OK
S4.004	SW16	72	97.309	-1.165	0.000	0.00			3.6	OK
S1.007	SW6	72	97.308	-0.945	0.000	0.01			11.6	OK

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Summary Wizard of 2160 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	72	97.308	-0.916	0.000	0.01			12.1
S1.009	SW8	72	97.306	-0.870	0.000	0.01			12.8
S1.010	SW9	72	97.302	0.171	0.000	0.18			15.0
S1.011	SEX UU 1	72	95.890	0.020	0.000	1.15			15.0
S1.012	SEX UU 2	72	94.627	-1.156	0.000	0.01			15.0

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2880 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	77	97.410	-1.340	0.000	0.00			2.0	OK
S1.001	SW17	77	97.368	-1.337	0.000	0.00			2.0	OK
S1.002	SW1	78	97.339	-1.334	0.000	0.00			3.0	OK
S1.003	SW2	78	97.299	-1.340	0.000	0.00			4.2	OK
S2.000	SW10a	77	97.466	-1.347	0.000	0.00			0.4	OK
S3.000	SW10c	78	97.293	-1.347	0.000	0.00			0.4	OK
S2.001	SW10b	78	97.283	-1.343	0.000	0.00			0.8	OK
S2.002	SW10	78	97.274	-1.340	0.000	0.00			1.2	OK
S2.003	SW11	78	97.247	-1.345	0.000	0.00			1.9	OK
S1.004	SW3	78	97.193	-1.273	0.000	0.00			6.3	OK
S1.005	SW4	78	97.188	-1.222	0.000	0.00			7.4	OK
S1.006	SW5	78	97.186	-1.170	0.000	0.00			7.1	OK
S4.000	SW12	78	97.301	-1.349	0.000	0.00			0.5	OK
S4.001	SW13	78	97.194	-1.333	0.000	0.00			1.1	OK
S4.002	SW14	78	97.191	-1.309	0.000	0.00			1.7	OK
S4.003	SW15	78	97.190	-1.282	0.000	0.00			2.4	OK
S4.004	SW16	78	97.188	-1.286	0.000	0.00			3.3	OK
S1.007	SW6	78	97.185	-1.068	0.000	0.01			10.8	OK

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Summary Wizard of 2880 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	78	97.185	-1.039	0.000	0.01			11.4
S1.009	SW8	78	97.184	-0.992	0.000	0.01			12.3
S1.010	SW9	78	97.181	0.050	0.000	0.17			14.6
S1.011	SEX UU 1	78	95.883	0.013	0.000	1.11			14.6
S1.012	SEX UU 2	78	94.625	-1.158	0.000	0.01			14.6

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 4320 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a		86	97.407	-1.343	0.000	0.00			1.4	OK
S1.001	SW17		86	97.364	-1.341	0.000	0.00			1.4	OK
S1.002	SW1		86	97.335	-1.338	0.000	0.00			2.2	OK
S1.003	SW2		86	97.296	-1.343	0.000	0.00			3.1	OK
S2.000	SW10a		86	97.466	-1.347	0.000	0.00			0.3	OK
S3.000	SW10c		86	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b		86	97.281	-1.345	0.000	0.00			0.6	OK
S2.002	SW10		86	97.272	-1.342	0.000	0.00			0.9	OK
S2.003	SW11		86	97.245	-1.347	0.000	0.00			1.4	OK
S1.004	SW3		85	97.137	-1.329	0.000	0.00			4.6	OK
S1.005	SW4		85	97.087	-1.323	0.000	0.00			5.5	OK
S1.006	SW5		85	97.042	-1.314	0.000	0.00			5.5	OK
S4.000	SW12		86	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13		86	97.182	-1.344	0.000	0.00			0.8	OK
S4.002	SW14		86	97.161	-1.339	0.000	0.00			1.3	OK
S4.003	SW15		86	97.146	-1.326	0.000	0.00			1.7	OK
S4.004	SW16		86	97.138	-1.336	0.000	0.00			2.5	OK
S1.007	SW6		85	97.028	-1.226	0.000	0.01			8.5	OK

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Summary Wizard of 4320 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	85	97.012	-1.212	0.000	0.01			9.3	OK
S1.009	SW8	85	97.002	-1.174	0.000	0.01			10.5	OK
S1.010	SW9	85	96.997	-0.134	0.000	0.15			12.8	OK
S1.011	SEX UU 1	85	95.838	-0.032	0.000	0.97			12.8	OK
S1.012	SEX UU 2	85	94.621	-1.162	0.000	0.01			12.8	OK

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Summary Wizard of 5760 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	92	97.406	-1.344	0.000	0.00			1.1	OK
S1.001	SW17	92	97.362	-1.343	0.000	0.00			1.1	OK
S1.002	SW1	92	97.333	-1.340	0.000	0.00			1.7	OK
S1.003	SW2	92	97.295	-1.344	0.000	0.00			2.5	OK
S2.000	SW10a	92	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	92	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	92	97.280	-1.346	0.000	0.00			0.5	OK
S2.002	SW10	92	97.270	-1.344	0.000	0.00			0.7	OK
S2.003	SW11	92	97.245	-1.347	0.000	0.00			1.1	OK
S1.004	SW3	92	97.132	-1.334	0.000	0.00			3.7	OK
S1.005	SW4	92	97.079	-1.331	0.000	0.00			4.4	OK
S1.006	SW5	92	97.022	-1.333	0.000	0.00			4.4	OK
S4.000	SW12	92	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	92	97.181	-1.346	0.000	0.00			0.6	OK
S4.002	SW14	92	97.158	-1.342	0.000	0.00			1.0	OK
S4.003	SW15	92	97.142	-1.329	0.000	0.00			1.4	OK
S4.004	SW16	92	97.135	-1.339	0.000	0.00			2.0	OK
S1.007	SW6	92	96.982	-1.272	0.000	0.01			6.8	OK

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Summary Wizard of 5760 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	92	96.956	-1.268	0.000	0.01			7.5	OK
S1.009	SW8	92	96.935	-1.240	0.000	0.01			8.6	OK
S1.010	SW9	92	96.918	-0.213	0.000	0.12			10.5	OK
S1.011	SEX UU 1	92	95.822	-0.048	0.000	0.80			10.5	OK
S1.012	SEX UU 2	92	94.615	-1.168	0.000	0.01			10.5	OK

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Summary Wizard of 7200 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	96	97.405	-1.345	0.000	0.00			1.0	OK
S1.001	SW17	96	97.361	-1.344	0.000	0.00			1.0	OK
S1.002	SW1	96	97.331	-1.342	0.000	0.00			1.5	OK
S1.003	SW2	96	97.294	-1.345	0.000	0.00			2.1	OK
S2.000	SW10a	96	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	96	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	96	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	96	97.269	-1.345	0.000	0.00			0.6	OK
S2.003	SW11	96	97.244	-1.348	0.000	0.00			0.9	OK
S1.004	SW3	96	97.130	-1.336	0.000	0.00			3.1	OK
S1.005	SW4	96	97.076	-1.334	0.000	0.00			3.7	OK
S1.006	SW5	96	97.018	-1.337	0.000	0.00			3.7	OK
S4.000	SW12	96	97.301	-1.349	0.000	0.00			0.2	OK
S4.001	SW13	96	97.180	-1.346	0.000	0.00			0.5	OK
S4.002	SW14	96	97.157	-1.343	0.000	0.00			0.9	OK
S4.003	SW15	96	97.140	-1.332	0.000	0.00			1.2	OK
S4.004	SW16	96	97.134	-1.340	0.000	0.00			1.7	OK
S1.007	SW6	96	96.966	-1.287	0.000	0.01			5.8	OK

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Summary Wizard of 7200 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	96	96.938	-1.286	0.000	0.00			6.3	OK
S1.009	SW8	96	96.913	-1.262	0.000	0.00			7.2	OK
S1.010	SW9	96	96.894	-0.237	0.000	0.10			8.9	OK
S1.011	SEX UU 1	96	95.811	-0.059	0.000	0.68			8.9	OK
S1.012	SEX UU 2	96	94.610	-1.173	0.000	0.00			8.9	OK

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Summary Wizard of 8640 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	100		97.404	-1.346	0.000	0.00			0.8	OK
S1.001	SW17	100		97.360	-1.345	0.000	0.00			0.8	OK
S1.002	SW1	100		97.330	-1.343	0.000	0.00			1.3	OK
S1.003	SW2	100		97.293	-1.346	0.000	0.00			1.8	OK
S2.000	SW10a	100		97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	100		97.291	-1.349	0.000	0.00			0.2	OK
S2.001	SW10b	100		97.279	-1.347	0.000	0.00			0.3	OK
S2.002	SW10	100		97.269	-1.345	0.000	0.00			0.5	OK
S2.003	SW11	100		97.244	-1.348	0.000	0.00			0.8	OK
S1.004	SW3	100		97.128	-1.338	0.000	0.00			2.7	OK
S1.005	SW4	100		97.074	-1.336	0.000	0.00			3.2	OK
S1.006	SW5	100		97.016	-1.340	0.000	0.00			3.2	OK
S4.000	SW12	100		97.301	-1.349	0.000	0.00			0.2	OK
S4.001	SW13	100		97.180	-1.347	0.000	0.00			0.5	OK
S4.002	SW14	100		97.156	-1.344	0.000	0.00			0.7	OK
S4.003	SW15	100		97.138	-1.333	0.000	0.00			1.0	OK
S4.004	SW16	100		97.133	-1.341	0.000	0.00			1.5	OK
S1.007	SW6	100		96.957	-1.297	0.000	0.01			5.0	OK

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Summary Wizard of 8640 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	100	96.927	-1.297	0.000	0.00			5.5	OK
S1.009	SW8	100	96.900	-1.276	0.000	0.00			6.3	OK
S1.010	SW9	100	96.879	-0.252	0.000	0.09			7.7	OK
S1.011	SEX UU 1	100	95.803	-0.067	0.000	0.59			7.7	OK
S1.012	SEX UU 2	100	94.607	-1.176	0.000	0.00			7.7	OK

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Summary Wizard of 10080 minute 30 year Summer I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	102		97.404	-1.346	0.000	0.00			0.7	OK
S1.001	SW17	102		97.360	-1.345	0.000	0.00			0.7	OK
S1.002	SW1	102		97.330	-1.343	0.000	0.00			1.1	OK
S1.003	SW2	102		97.293	-1.346	0.000	0.00			1.6	OK
S2.000	SW10a	102		97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	102		97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	102		97.278	-1.348	0.000	0.00			0.3	OK
S2.002	SW10	102		97.268	-1.346	0.000	0.00			0.5	OK
S2.003	SW11	102		97.244	-1.348	0.000	0.00			0.7	OK
S1.004	SW3	102		97.127	-1.339	0.000	0.00			2.4	OK
S1.005	SW4	102		97.072	-1.338	0.000	0.00			2.9	OK
S1.006	SW5	102		97.014	-1.341	0.000	0.00			2.9	OK
S4.000	SW12	102		97.300	-1.350	0.000	0.00			0.2	OK
S4.001	SW13	102		97.180	-1.347	0.000	0.00			0.4	OK
S4.002	SW14	102		97.155	-1.345	0.000	0.00			0.7	OK
S4.003	SW15	102		97.137	-1.335	0.000	0.00			0.9	OK
S4.004	SW16	102		97.132	-1.342	0.000	0.00			1.3	OK
S1.007	SW6	102		96.950	-1.304	0.000	0.00			4.4	OK

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Summary Wizard of 10080 minute 30 year Summer I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	102	96.919	-1.304	0.000	0.00			4.9	OK
S1.009	SW8	102	96.891	-1.285	0.000	0.00			5.6	OK
S1.010	SW9	102	96.870	-0.261	0.000	0.08			6.8	OK
S1.011	SEX UU 1	102	95.797	-0.073	0.000	0.52			6.8	OK
S1.012	SEX UU 2	102	94.604	-1.179	0.000	0.00			6.8	OK

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Summary Wizard of 15 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	27	97.791	-0.959	0.000	0.08			113.8	OK
S1.001	SW17	27	97.791	-0.914	0.000	0.09			106.0	OK
S1.002	SW1	27	97.791	-0.882	0.000	0.12			148.7	OK
S1.003	SW2	27	97.791	-0.848	0.000	0.07			184.5	OK
S2.000	SW10a	27	97.790	-1.023	0.000	0.02			21.6	OK
S3.000	SW10c	27	97.790	-0.850	0.000	0.02			20.0	OK
S2.001	SW10b	27	97.791	-0.835	0.000	0.03			34.2	OK
S2.002	SW10	27	97.791	-0.824	0.000	0.06			50.6	OK
S2.003	SW11	27	97.791	-0.801	0.000	0.02			64.6	OK
S1.004	SW3	27	97.791	-0.675	0.000	0.10			176.6	OK
S1.005	SW4	27	97.791	-0.619	0.000	0.11			185.7	OK
S1.006	SW5	27	97.790	-0.565	0.000	0.05			125.2	OK
S4.000	SW12	27	97.790	-0.860	0.000	0.01			26.4	OK
S4.001	SW13	27	97.790	-0.737	0.000	0.03			32.3	OK
S4.002	SW14	27	97.790	-0.710	0.000	0.04			47.3	OK
S4.003	SW15	27	97.790	-0.682	0.000	0.04			61.1	OK
S4.004	SW16	27	97.790	-0.684	0.000	0.04			56.1	OK
S1.007	SW6	27	97.790	-0.463	0.000	0.10			92.5	OK

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Summary Wizard of 15 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	27	97.789	-0.435	0.000	0.05			73.1
S1.009	SW8	27	97.786	-0.389	0.000	0.03			39.4
S1.010	SW9	26	97.781	0.650	0.000	0.18			15.1
S1.011	SEX UU 1	65	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	61	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	22	97.962	-0.788	0.000	0.06			87.9	OK
S1.001	SW17	22	97.962	-0.743	0.000	0.07			79.7	OK
S1.002	SW1	22	97.962	-0.711	0.000	0.09			107.6	OK
S1.003	SW2	22	97.962	-0.677	0.000	0.05			133.3	OK
S2.000	SW10a	22	97.962	-0.851	0.000	0.02			17.3	OK
S3.000	SW10c	22	97.961	-0.679	0.000	0.01			12.4	OK
S2.001	SW10b	22	97.962	-0.664	0.000	0.02			18.8	OK
S2.002	SW10	22	97.962	-0.653	0.000	0.03			24.9	OK
S2.003	SW11	22	97.962	-0.630	0.000	0.01			31.6	OK
S1.004	SW3	22	97.962	-0.504	0.000	0.06			101.8	OK
S1.005	SW4	22	97.962	-0.448	0.000	0.06			101.3	OK
S1.006	SW5	22	97.961	-0.394	0.000	0.02			56.8	OK
S4.000	SW12	22	97.961	-0.689	0.000	0.01			14.8	OK
S4.001	SW13	22	97.961	-0.565	0.000	0.01			13.7	OK
S4.002	SW14	22	97.961	-0.538	0.000	0.02			19.2	OK
S4.003	SW15	22	97.961	-0.510	0.000	0.01			23.2	OK
S4.004	SW16	22	97.961	-0.513	0.000	0.02			20.4	OK
S1.007	SW6	22	97.961	-0.292	0.000	0.05			50.6	OK

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Summary Wizard of 30 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	22	97.961	-0.263	0.000	0.03			44.9
S1.009	SW8	22	97.958	-0.217	0.000	0.02			32.8
S1.010	SW9	22	97.952	0.821	0.000	0.18			15.1
S1.011	SEX UU 1	56	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	59	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	19	98.145	-0.605	0.000	0.04			57.3	OK
S1.001	SW17	19	98.145	-0.560	0.000	0.04			42.1	OK
S1.002	SW1	19	98.145	-0.528	0.000	0.05			56.6	OK
S1.003	SW2	19	98.145	-0.494	0.000	0.03			75.7	OK
S2.000	SW10a	19	98.145	-0.668	0.000	0.01			7.8	OK
S3.000	SW10c	19	98.145	-0.495	0.000	0.01			6.9	OK
S2.001	SW10b	19	98.145	-0.481	0.000	0.01			6.4	OK
S2.002	SW10	19	98.145	-0.469	0.000	0.01			9.0	OK
S2.003	SW11	19	98.145	-0.447	0.000	0.00			12.9	OK
S1.004	SW3	19	98.146	-0.320	0.000	0.03			48.3	OK
S1.005	SW4	19	98.145	-0.265	0.000	0.03			51.9	OK
S1.006	SW5	19	98.145	-0.210	0.000	0.01			28.6	OK
S4.000	SW12	19	98.145	-0.505	0.000	0.00			9.4	OK
S4.001	SW13	19	98.145	-0.382	0.000	0.00			4.1	OK
S4.002	SW14	19	98.145	-0.355	0.000	0.01			6.1	OK
S4.003	SW15	19	98.145	-0.327	0.000	0.00			8.0	OK
S4.004	SW16	19	98.145	-0.329	0.000	0.01			10.6	OK
S1.007	SW6	19	98.145	-0.109	0.000	0.03			31.1	OK

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Summary Wizard of 60 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	19	98.144	-0.079	0.000	0.02			30.6
S1.009	SW8	19	98.141	-0.035	0.000	0.02			25.8
S1.010	SW9	19	98.125	0.994	0.000	0.18			15.1
S1.011	SEX UU 1	48	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	47	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	14	98.334	-0.416	0.000	0.02			35.7	OK
S1.001	SW17	14	98.334	-0.371	0.000	0.02			22.5	OK
S1.002	SW1	14	98.334	-0.339	0.000	0.03			31.0	OK
S1.003	SW2	14	98.334	-0.305	0.000	0.02			43.5	OK
S2.000	SW10a	14	98.334	-0.479	0.000	0.01			4.6	OK
S3.000	SW10c	14	98.334	-0.306	0.000	0.00			4.6	OK
S2.001	SW10b	14	98.334	-0.292	0.000	0.00			3.1	OK
S2.002	SW10	14	98.334	-0.281	0.000	0.01			4.7	OK
S2.003	SW11	14	98.334	-0.258	0.000	0.00			6.9	OK
S1.004	SW3	14	98.334	-0.132	0.000	0.01			25.4	OK
S1.005	SW4	14	98.334	-0.076	0.000	0.02			27.7	OK
S1.006	SW5	14	98.334	-0.022	0.000	0.01			17.1	OK
S4.000	SW12	13	98.332	-0.318	0.000	0.00			6.3	OK
S4.001	SW13	13	98.332	-0.195	0.000	0.00			3.2	OK
S4.002	SW14	13	98.332	-0.167	0.000	0.00			4.6	OK
S4.003	SW15	13	98.332	-0.139	0.000	0.00			5.7	OK
S4.004	SW16	13	98.333	-0.141	0.000	0.01			7.9	OK
S1.007	SW6	13	98.333	0.079	0.000	0.02			20.1	SURCHARGED

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Summary Wizard of 120 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	13	98.333	0.109	0.000	0.01			20.4
S1.009	SW8	13	98.333	0.157	0.000	0.01			19.4
S1.010	SW9	13	98.333	1.202	0.000	0.18			15.1
S1.011	SEX UU 1	43	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	42	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	11	98.429	-0.321	0.000	0.02			26.7	OK
S1.001	SW17	11	98.429	-0.276	0.000	0.01			16.6	OK
S1.002	SW1	11	98.429	-0.244	0.000	0.02			23.1	OK
S1.003	SW2	11	98.429	-0.210	0.000	0.01			32.8	OK
S2.000	SW10a	11	98.429	-0.384	0.000	0.00			3.4	OK
S3.000	SW10c	11	98.429	-0.211	0.000	0.00			3.4	OK
S2.001	SW10b	11	98.429	-0.197	0.000	0.00			2.3	OK
S2.002	SW10	11	98.429	-0.185	0.000	0.00			3.5	OK
S2.003	SW11	11	98.429	-0.163	0.000	0.00			5.4	OK
S1.004	SW3	11	98.429	-0.036	0.000	0.01			19.1	OK
S1.005	SW4	11	98.430	0.020	0.000	0.01			21.3	SURCHARGED
S1.006	SW5	11	98.430	0.075	0.000	0.01			13.6	SURCHARGED
S4.000	SW12	11	98.429	-0.221	0.000	0.00			4.7	OK
S4.001	SW13	11	98.429	-0.097	0.000	0.00			3.3	OK
S4.002	SW14	11	98.430	-0.070	0.000	0.00			4.6	OK
S4.003	SW15	11	98.430	-0.042	0.000	0.00			5.1	OK
S4.004	SW16	11	98.430	-0.044	0.000	0.01			8.2	OK
S1.007	SW6	11	98.430	0.177	0.000	0.02			21.5	SURCHARGED

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Summary Wizard of 180 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	11	98.430	0.206	0.000	0.01			17.7
S1.009	SW8	11	98.430	0.254	0.000	0.01			15.6
S1.010	SW9	11	98.430	1.299	0.000	0.18			15.1
S1.011	SEX UU 1	39	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	38	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level Rank	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	9	98.460	-0.290	0.000	0.01			21.6	OK
S1.001	SW17	9	98.460	-0.245	0.000	0.01			13.4	OK
S1.002	SW1	9	98.460	-0.213	0.000	0.02			18.9	OK
S1.003	SW2	9	98.460	-0.179	0.000	0.01			26.9	OK
S2.000	SW10a	9	98.460	-0.353	0.000	0.00			2.8	OK
S3.000	SW10c	9	98.460	-0.180	0.000	0.00			2.8	OK
S2.001	SW10b	9	98.460	-0.166	0.000	0.00			1.9	OK
S2.002	SW10	9	98.460	-0.154	0.000	0.00			3.1	OK
S2.003	SW11	9	98.460	-0.132	0.000	0.00			4.7	OK
S1.004	SW3	9	98.460	-0.006	0.000	0.01			16.5	OK
S1.005	SW4	9	98.460	0.050	0.000	0.01			18.4	SURCHARGED
S1.006	SW5	9	98.460	0.104	0.000	0.01			12.6	SURCHARGED
S4.000	SW12	9	98.459	-0.191	0.000	0.00			3.8	OK
S4.001	SW13	9	98.459	-0.068	0.000	0.00			2.6	OK
S4.002	SW14	9	98.459	-0.041	0.000	0.00			3.9	OK
S4.003	SW15	9	98.458	-0.013	0.000	0.00			4.4	OK
S4.004	SW16	9	98.459	-0.015	0.000	0.00			6.3	OK
S1.007	SW6	9	98.460	0.206	0.000	0.02			18.4	SURCHARGED

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Summary Wizard of 240 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	9	98.460	0.236	0.000	0.01			17.1
S1.009	SW8	8	98.460	0.285	0.000	0.01			14.1
S1.010	SW9	8	98.460	1.329	0.000	0.18			15.1
S1.011	SEX UU 1	38	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	37	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	10	98.435	-0.315	0.000	0.01			15.9	OK
S1.001	SW17	10	98.435	-0.270	0.000	0.01			10.3	OK
S1.002	SW1	10	98.435	-0.238	0.000	0.01			14.4	OK
S1.003	SW2	10	98.435	-0.204	0.000	0.01			20.6	OK
S2.000	SW10a	10	98.435	-0.378	0.000	0.00			2.0	OK
S3.000	SW10c	10	98.435	-0.205	0.000	0.00			2.0	OK
S2.001	SW10b	10	98.435	-0.191	0.000	0.00			1.7	OK
S2.002	SW10	10	98.435	-0.180	0.000	0.00			2.7	OK
S2.003	SW11	10	98.435	-0.157	0.000	0.00			4.1	OK
S1.004	SW3	10	98.435	-0.031	0.000	0.01			14.0	OK
S1.005	SW4	10	98.435	0.025	0.000	0.01			15.5	SURCHARGED
S1.006	SW5	10	98.435	0.079	0.000	0.01			11.7	SURCHARGED
S4.000	SW12	10	98.434	-0.216	0.000	0.00			2.8	OK
S4.001	SW13	10	98.434	-0.092	0.000	0.00			2.5	OK
S4.002	SW14	10	98.434	-0.065	0.000	0.00			3.7	OK
S4.003	SW15	10	98.434	-0.037	0.000	0.00			4.2	OK
S4.004	SW16	10	98.435	-0.039	0.000	0.00			6.2	OK
S1.007	SW6	10	98.435	0.181	0.000	0.02			16.4	SURCHARGED

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Summary Wizard of 360 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	10	98.435	0.211	0.000	0.01			15.5
S1.009	SW8	10	98.435	0.259	0.000	0.01			13.8
S1.010	SW9	10	98.435	1.304	0.000	0.18			15.1
S1.011	SEX UU 1	36	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	36	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	12	98.383	-0.367	0.000	0.01			12.8	OK
S1.001	SW17	12	98.383	-0.322	0.000	0.01			8.6	OK
S1.002	SW1	12	98.383	-0.290	0.000	0.01			12.2	OK
S1.003	SW2	12	98.384	-0.255	0.000	0.01			17.2	OK
S2.000	SW10a	12	98.383	-0.430	0.000	0.00			1.7	OK
S3.000	SW10c	12	98.383	-0.257	0.000	0.00			1.7	OK
S2.001	SW10b	12	98.383	-0.243	0.000	0.00			1.7	OK
S2.002	SW10	12	98.383	-0.231	0.000	0.00			2.5	OK
S2.003	SW11	12	98.383	-0.209	0.000	0.00			3.7	OK
S1.004	SW3	12	98.383	-0.083	0.000	0.01			12.9	OK
S1.005	SW4	12	98.382	-0.027	0.000	0.01			14.4	OK
S1.006	SW5	12	98.380	0.025	0.000	0.00			11.3	SURCHARGED
S4.000	SW12	12	98.380	-0.270	0.000	0.00			2.3	OK
S4.001	SW13	12	98.380	-0.147	0.000	0.00			3.1	OK
S4.002	SW14	12	98.380	-0.120	0.000	0.00			4.5	OK
S4.003	SW15	12	98.380	-0.092	0.000	0.00			5.3	OK
S4.004	SW16	12	98.380	-0.094	0.000	0.01			6.9	OK
S1.007	SW6	12	98.380	0.127	0.000	0.01			13.5	SURCHARGED

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Summary Wizard of 480 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	12	98.380	0.157	0.000	0.01			13.6
S1.009	SW8	12	98.380	0.205	0.000	0.01			13.7
S1.010	SW9	12	98.381	1.250	0.000	0.18			15.1
S1.011	SEX UU 1	35	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	35	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	13	98.339	-0.411	0.000	0.01			10.8	OK
S1.001	SW17	13	98.339	-0.366	0.000	0.01			7.4	OK
S1.002	SW1	13	98.339	-0.334	0.000	0.01			10.6	OK
S1.003	SW2	13	98.339	-0.300	0.000	0.01			14.9	OK
S2.000	SW10a	13	98.339	-0.474	0.000	0.00			1.4	OK
S3.000	SW10c	13	98.339	-0.301	0.000	0.00			1.4	OK
S2.001	SW10b	13	98.339	-0.287	0.000	0.00			1.6	OK
S2.002	SW10	13	98.339	-0.276	0.000	0.00			2.5	OK
S2.003	SW11	13	98.339	-0.253	0.000	0.00			3.6	OK
S1.004	SW3	13	98.339	-0.127	0.000	0.01			12.0	OK
S1.005	SW4	13	98.338	-0.072	0.000	0.01			13.3	OK
S1.006	SW5	13	98.336	-0.019	0.000	0.00			11.1	OK
S4.000	SW12	14	98.331	-0.319	0.000	0.00			2.0	OK
S4.001	SW13	14	98.331	-0.196	0.000	0.00			2.8	OK
S4.002	SW14	14	98.331	-0.169	0.000	0.00			4.1	OK
S4.003	SW15	14	98.331	-0.141	0.000	0.00			5.2	OK
S4.004	SW16	14	98.331	-0.143	0.000	0.01			6.6	OK
S1.007	SW6	14	98.331	0.077	0.000	0.01			14.1	SURCHARGED

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Summary Wizard of 600 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	14	98.331	0.107	0.000	0.01			14.4
S1.009	SW8	14	98.331	0.156	0.000	0.01			13.8
S1.010	SW9	14	98.331	1.200	0.000	0.18			15.1
S1.011	SEX UU 1	26	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	32	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	15	98.296	-0.454	0.000	0.01			9.4	OK
S1.001	SW17	15	98.296	-0.409	0.000	0.01			6.5	OK
S1.002	SW1	15	98.296	-0.377	0.000	0.01			9.4	OK
S1.003	SW2	15	98.296	-0.343	0.000	0.01			13.3	OK
S2.000	SW10a	15	98.296	-0.517	0.000	0.00			1.3	OK
S3.000	SW10c	15	98.296	-0.344	0.000	0.00			1.3	OK
S2.001	SW10b	15	98.296	-0.330	0.000	0.00			2.8	OK
S2.002	SW10	15	98.296	-0.318	0.000	0.00			2.9	OK
S2.003	SW11	15	98.296	-0.296	0.000	0.00			3.5	OK
S1.004	SW3	15	98.296	-0.170	0.000	0.01			11.4	OK
S1.005	SW4	15	98.296	-0.114	0.000	0.01			12.7	OK
S1.006	SW5	15	98.294	-0.061	0.000	0.00			10.9	OK
S4.000	SW12	15	98.293	-0.357	0.000	0.00			1.7	OK
S4.001	SW13	15	98.293	-0.234	0.000	0.00			2.9	OK
S4.002	SW14	15	98.293	-0.207	0.000	0.00			4.3	OK
S4.003	SW15	15	98.293	-0.179	0.000	0.00			5.4	OK
S4.004	SW16	15	98.293	-0.181	0.000	0.01			6.8	OK
S1.007	SW6	15	98.293	0.039	0.000	0.02			15.1	SURCHARGED

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Summary Wizard of 720 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	15	98.293	0.069	0.000	0.01			14.0
S1.009	SW8	15	98.293	0.117	0.000	0.01			13.8
S1.010	SW9	15	98.293	1.162	0.000	0.18			15.1
S1.011	SEX UU 1	29	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	25	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	17	98.226	-0.524	0.000	0.01			7.6	OK
S1.001	SW17	17	98.226	-0.479	0.000	0.00			5.5	OK
S1.002	SW1	17	98.226	-0.447	0.000	0.01			7.9	OK
S1.003	SW2	17	98.226	-0.413	0.000	0.00			11.3	OK
S2.000	SW10a	17	98.225	-0.588	0.000	0.00			1.2	OK
S3.000	SW10c	17	98.225	-0.415	0.000	0.00			1.0	OK
S2.001	SW10b	17	98.225	-0.401	0.000	0.00			2.0	OK
S2.002	SW10	17	98.226	-0.389	0.000	0.00			2.7	OK
S2.003	SW11	17	98.225	-0.367	0.000	0.00			3.5	OK
S1.004	SW3	17	98.226	-0.240	0.000	0.01			10.6	OK
S1.005	SW4	17	98.225	-0.185	0.000	0.01			11.7	OK
S1.006	SW5	17	98.224	-0.132	0.000	0.00			10.3	OK
S4.000	SW12	17	98.222	-0.428	0.000	0.00			1.4	OK
S4.001	SW13	17	98.223	-0.304	0.000	0.00			2.2	OK
S4.002	SW14	17	98.223	-0.277	0.000	0.00			3.1	OK
S4.003	SW15	17	98.223	-0.249	0.000	0.00			3.1	OK
S4.004	SW16	17	98.223	-0.251	0.000	0.00			4.2	OK
S1.007	SW6	17	98.223	-0.031	0.000	0.01			13.4	OK

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Summary Wizard of 960 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	17	98.216	-0.008	0.000	0.01			13.5
S1.009	SW8	17	98.191	0.015	0.000	0.01			13.7
S1.010	SW9	17	98.190	1.059	0.000	0.18			15.1
S1.011	SEX UU 1	16	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	21	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	20	98.085	-0.665	0.000	0.00			5.6	OK
S1.001	SW17	20	98.085	-0.620	0.000	0.00			4.4	OK
S1.002	SW1	20	98.085	-0.588	0.000	0.01			6.4	OK
S1.003	SW2	20	98.085	-0.554	0.000	0.00			9.0	OK
S2.000	SW10a	20	98.085	-0.728	0.000	0.00			1.0	OK
S3.000	SW10c	20	98.085	-0.555	0.000	0.00			1.0	OK
S2.001	SW10b	20	98.085	-0.541	0.000	0.00			1.9	OK
S2.002	SW10	20	98.085	-0.529	0.000	0.00			2.0	OK
S2.003	SW11	20	98.085	-0.507	0.000	0.00			2.9	OK
S1.004	SW3	20	98.085	-0.381	0.000	0.01			9.3	OK
S1.005	SW4	20	98.084	-0.326	0.000	0.01			10.4	OK
S1.006	SW5	20	98.083	-0.272	0.000	0.00			9.5	OK
S4.000	SW12	20	98.083	-0.567	0.000	0.00			1.1	OK
S4.001	SW13	20	98.083	-0.444	0.000	0.00			2.4	OK
S4.002	SW14	20	98.083	-0.417	0.000	0.00			3.3	OK
S4.003	SW15	20	98.083	-0.388	0.000	0.00			3.5	OK
S4.004	SW16	20	98.083	-0.391	0.000	0.00			4.6	OK
S1.007	SW6	20	98.083	-0.171	0.000	0.01			12.6	OK

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Summary Wizard of 1440 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	20	98.081	-0.143	0.000	0.01			13.0
S1.009	SW8	20	98.073	-0.102	0.000	0.01			13.3
S1.010	SW9	20	98.054	0.923	0.000	0.18			15.1
S1.011	SEX UU 1	15	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	22	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2160 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	23	97.906	-0.844	0.000	0.00			4.1	OK
S1.001	SW17	23	97.906	-0.799	0.000	0.00			3.6	OK
S1.002	SW1	23	97.906	-0.767	0.000	0.00			5.3	OK
S1.003	SW2	23	97.906	-0.733	0.000	0.00			7.4	OK
S2.000	SW10a	23	97.906	-0.907	0.000	0.00			1.0	OK
S3.000	SW10c	23	97.906	-0.734	0.000	0.00			1.1	OK
S2.001	SW10b	23	97.906	-0.720	0.000	0.00			2.4	OK
S2.002	SW10	23	97.906	-0.708	0.000	0.00			2.2	OK
S2.003	SW11	23	97.906	-0.686	0.000	0.00			2.6	OK
S1.004	SW3	23	97.906	-0.560	0.000	0.00			8.2	OK
S1.005	SW4	23	97.906	-0.504	0.000	0.01			9.4	OK
S1.006	SW5	23	97.905	-0.450	0.000	0.00			8.7	OK
S4.000	SW12	23	97.905	-0.745	0.000	0.00			1.2	OK
S4.001	SW13	23	97.905	-0.622	0.000	0.00			2.3	OK
S4.002	SW14	23	97.905	-0.595	0.000	0.00			2.6	OK
S4.003	SW15	23	97.905	-0.567	0.000	0.00			2.7	OK
S4.004	SW16	23	97.905	-0.569	0.000	0.00			3.7	OK
S1.007	SW6	23	97.904	-0.349	0.000	0.01			11.8	OK

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Summary Wizard of 2160 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	23	97.903	-0.321	0.000	0.01			12.3
S1.009	SW8	23	97.898	-0.277	0.000	0.01			13.0
S1.010	SW9	23	97.888	0.757	0.000	0.18			15.1
S1.011	SEX UU 1	25	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	11	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2880 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	30		97.753	-0.997	0.000	0.00			3.4	OK
S1.001	SW17	30		97.752	-0.953	0.000	0.00			3.1	OK
S1.002	SW1	30		97.752	-0.921	0.000	0.00			4.6	OK
S1.003	SW2	30		97.752	-0.887	0.000	0.00			6.4	OK
S2.000	SW10a	30		97.752	-1.061	0.000	0.00			1.1	OK
S3.000	SW10c	30		97.752	-0.888	0.000	0.00			1.2	OK
S2.001	SW10b	30		97.752	-0.874	0.000	0.00			2.1	OK
S2.002	SW10	30		97.752	-0.862	0.000	0.00			3.2	OK
S2.003	SW11	30		97.752	-0.840	0.000	0.00			3.3	OK
S1.004	SW3	30		97.752	-0.714	0.000	0.00			7.8	OK
S1.005	SW4	30		97.752	-0.658	0.000	0.01			9.2	OK
S1.006	SW5	30		97.751	-0.604	0.000	0.00			8.7	OK
S4.000	SW12	30		97.751	-0.899	0.000	0.00			1.1	OK
S4.001	SW13	30		97.751	-0.776	0.000	0.00			2.6	OK
S4.002	SW14	30		97.751	-0.748	0.000	0.00			3.1	OK
S4.003	SW15	30		97.751	-0.720	0.000	0.00			2.9	OK
S4.004	SW16	30		97.751	-0.723	0.000	0.00			3.9	OK
S1.007	SW6	30		97.751	-0.503	0.000	0.01			11.2	OK

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Summary Wizard of 2880 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	30	97.750	-0.474	0.000	0.01			11.9
S1.009	SW8	30	97.746	-0.430	0.000	0.01			12.8
S1.010	SW9	30	97.739	0.608	0.000	0.18			15.1
S1.011	SEX UU 1	10	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	14	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 4320 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	55	97.504	-1.246	0.000	0.00			2.6	OK
S1.001	SW17	51	97.504	-1.201	0.000	0.00			2.6	OK
S1.002	SW1	51	97.504	-1.169	0.000	0.00			3.9	OK
S1.003	SW2	51	97.504	-1.135	0.000	0.00			5.4	OK
S2.000	SW10a	53	97.504	-1.309	0.000	0.00			0.5	OK
S3.000	SW10c	51	97.504	-1.136	0.000	0.00			0.9	OK
S2.001	SW10b	51	97.504	-1.122	0.000	0.00			1.4	OK
S2.002	SW10	51	97.504	-1.110	0.000	0.00			1.7	OK
S2.003	SW11	51	97.504	-1.088	0.000	0.00			2.2	OK
S1.004	SW3	51	97.504	-0.962	0.000	0.00			7.2	OK
S1.005	SW4	51	97.504	-0.906	0.000	0.00			8.4	OK
S1.006	SW5	51	97.504	-0.852	0.000	0.00			7.9	OK
S4.000	SW12	51	97.503	-1.147	0.000	0.00			1.0	OK
S4.001	SW13	51	97.503	-1.023	0.000	0.00			2.1	OK
S4.002	SW14	51	97.504	-0.996	0.000	0.00			2.4	OK
S4.003	SW15	51	97.504	-0.968	0.000	0.00			2.9	OK
S4.004	SW16	51	97.504	-0.970	0.000	0.00			3.7	OK
S1.007	SW6	51	97.504	-0.750	0.000	0.01			10.9	OK

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Summary Wizard of 4320 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	51	97.502	-0.722	0.000	0.01			11.5
S1.009	SW8	51	97.500	-0.676	0.000	0.01			12.6
S1.010	SW9	51	97.495	0.364	0.000	0.18			15.1
S1.011	SEX UU 1	8	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	6	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 5760 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	76	97.411	-1.339	0.000	0.00			2.0	OK
S1.001	SW17	76	97.369	-1.336	0.000	0.00			2.0	OK
S1.002	SW1	75	97.343	-1.330	0.000	0.00			3.1	OK
S1.003	SW2	70	97.322	-1.317	0.000	0.00			4.4	OK
S2.000	SW10a	76	97.467	-1.346	0.000	0.00			0.4	OK
S3.000	SW10c	70	97.316	-1.324	0.000	0.00			0.4	OK
S2.001	SW10b	70	97.316	-1.310	0.000	0.00			0.8	OK
S2.002	SW10	70	97.316	-1.298	0.000	0.00			1.3	OK
S2.003	SW11	70	97.316	-1.276	0.000	0.00			2.0	OK
S1.004	SW3	70	97.316	-1.150	0.000	0.00			6.5	OK
S1.005	SW4	70	97.315	-1.094	0.000	0.00			7.5	OK
S1.006	SW5	70	97.315	-1.040	0.000	0.00			7.3	OK
S4.000	SW12	70	97.315	-1.335	0.000	0.00			0.5	OK
S4.001	SW13	70	97.315	-1.211	0.000	0.00			1.5	OK
S4.002	SW14	70	97.315	-1.184	0.000	0.00			2.1	OK
S4.003	SW15	70	97.315	-1.156	0.000	0.00			2.4	OK
S4.004	SW16	70	97.315	-1.159	0.000	0.00			3.4	OK
S1.007	SW6	70	97.315	-0.938	0.000	0.01			10.6	OK

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Summary Wizard of 5760 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	70	97.314	-0.910	0.000	0.01			11.3
S1.009	SW8	70	97.312	-0.863	0.000	0.01			12.4
S1.010	SW9	70	97.308	0.177	0.000	0.18			15.0
S1.011	SEX UU 1	70	95.890	0.020	0.000	1.15			15.0
S1.012	SEX UU 2	70	94.627	-1.156	0.000	0.01			15.0

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 7200 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	82	97.409	-1.341	0.000	0.00			1.7	OK
S1.001	SW17	82	97.366	-1.339	0.000	0.00			1.7	OK
S1.002	SW1	82	97.338	-1.335	0.000	0.00			2.6	OK
S1.003	SW2	82	97.298	-1.341	0.000	0.00			3.7	OK
S2.000	SW10a	82	97.466	-1.347	0.000	0.00			0.3	OK
S3.000	SW10c	82	97.293	-1.347	0.000	0.00			0.3	OK
S2.001	SW10b	82	97.282	-1.344	0.000	0.00			0.7	OK
S2.002	SW10	82	97.273	-1.341	0.000	0.00			1.1	OK
S2.003	SW11	82	97.246	-1.346	0.000	0.00			1.6	OK
S1.004	SW3	80	97.172	-1.294	0.000	0.00			5.5	OK
S1.005	SW4	80	97.163	-1.247	0.000	0.00			6.6	OK
S1.006	SW5	80	97.159	-1.197	0.000	0.00			6.5	OK
S4.000	SW12	82	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13	80	97.186	-1.341	0.000	0.00			1.0	OK
S4.002	SW14	80	97.173	-1.327	0.000	0.00			1.5	OK
S4.003	SW15	80	97.168	-1.303	0.000	0.00			2.1	OK
S4.004	SW16	80	97.166	-1.308	0.000	0.00			3.0	OK
S1.007	SW6	80	97.158	-1.095	0.000	0.01			9.9	OK

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Summary Wizard of 7200 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	80	97.157	-1.067	0.000	0.01			10.7
S1.009	SW8	80	97.157	-1.019	0.000	0.01			11.9
S1.010	SW9	80	97.154	0.023	0.000	0.17			14.4
S1.011	SEX UU 1	80	95.881	0.011	0.000	1.10			14.4
S1.012	SEX UU 2	80	94.625	-1.158	0.000	0.01			14.4

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 8640 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	83	97.408	-1.342	0.000	0.00			1.5	OK
S1.001	SW17	83	97.365	-1.340	0.000	0.00			1.5	OK
S1.002	SW1	83	97.336	-1.337	0.000	0.00			2.2	OK
S1.003	SW2	83	97.297	-1.342	0.000	0.00			3.2	OK
S2.000	SW10a	83	97.466	-1.347	0.000	0.00			0.3	OK
S3.000	SW10c	83	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	83	97.281	-1.345	0.000	0.00			0.6	OK
S2.002	SW10	83	97.272	-1.342	0.000	0.00			0.9	OK
S2.003	SW11	83	97.246	-1.347	0.000	0.00			1.4	OK
S1.004	SW3	84	97.139	-1.327	0.000	0.00			4.8	OK
S1.005	SW4	84	97.093	-1.317	0.000	0.00			5.7	OK
S1.006	SW5	84	97.061	-1.295	0.000	0.00			5.7	OK
S4.000	SW12	83	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13	83	97.183	-1.344	0.000	0.00			0.8	OK
S4.002	SW14	83	97.161	-1.339	0.000	0.00			1.3	OK
S4.003	SW15	83	97.146	-1.325	0.000	0.00			1.8	OK
S4.004	SW16	83	97.138	-1.336	0.000	0.00			2.6	OK
S1.007	SW6	84	97.054	-1.199	0.000	0.01			8.8	OK

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Summary Wizard of 8640 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	84	97.047	-1.177	0.000	0.01			9.6	OK
S1.009	SW8	84	97.043	-1.133	0.000	0.01			11.0	OK
S1.010	SW9	84	97.041	-0.090	0.000	0.16			13.4	OK
S1.011	SEX UU 1	83	95.870	0.000	0.000	1.02			13.4	OK
S1.012	SEX UU 2	84	94.622	-1.161	0.000	0.01			13.4	OK

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Summary Wizard of 10080 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	89	97.407	-1.343	0.000	0.00			1.3	OK
S1.001	SW17	89	97.363	-1.342	0.000	0.00			1.3	OK
S1.002	SW1	89	97.334	-1.339	0.000	0.00			2.0	OK
S1.003	SW2	89	97.296	-1.343	0.000	0.00			2.8	OK
S2.000	SW10a	89	97.465	-1.348	0.000	0.00			0.3	OK
S3.000	SW10c	89	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	89	97.280	-1.346	0.000	0.00			0.5	OK
S2.002	SW10	89	97.271	-1.343	0.000	0.00			0.8	OK
S2.003	SW11	89	97.245	-1.347	0.000	0.00			1.3	OK
S1.004	SW3	89	97.135	-1.331	0.000	0.00			4.2	OK
S1.005	SW4	89	97.082	-1.328	0.000	0.00			5.1	OK
S1.006	SW5	89	97.030	-1.326	0.000	0.00			5.1	OK
S4.000	SW12	89	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	89	97.182	-1.345	0.000	0.00			0.7	OK
S4.002	SW14	89	97.160	-1.340	0.000	0.00			1.2	OK
S4.003	SW15	89	97.144	-1.327	0.000	0.00			1.6	OK
S4.004	SW16	89	97.137	-1.337	0.000	0.00			2.3	OK
S1.007	SW6	89	97.003	-1.250	0.000	0.01			7.8	OK

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Summary Wizard of 10080 minute 100 year Summer I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	89	96.983	-1.241	0.000	0.01			8.6	OK
S1.009	SW8	89	96.967	-1.209	0.000	0.01			9.8	OK
S1.010	SW9	89	96.956	-0.175	0.000	0.14			12.0	OK
S1.011	SEX UU 1	89	95.833	-0.037	0.000	0.92			12.0	OK
S1.012	SEX UU 2	89	94.619	-1.164	0.000	0.01			12.0	OK

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Summary Wizard of 15 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	52	97.538	-1.212	0.000	0.02			26.6	OK
S1.001	SW17	53	97.501	-1.204	0.000	0.02			25.2	OK
S1.002	SW1	53	97.474	-1.199	0.000	0.03			35.4	OK
S1.003	SW2	60	97.405	-1.234	0.000	0.02			46.1	OK
S2.000	SW10a	52	97.505	-1.308	0.000	0.01			5.6	OK
S3.000	SW10c	67	97.363	-1.277	0.000	0.00			4.3	OK
S2.001	SW10b	67	97.361	-1.265	0.000	0.01			8.6	OK
S2.002	SW10	66	97.359	-1.255	0.000	0.01			12.8	OK
S2.003	SW11	66	97.359	-1.233	0.000	0.01			18.3	OK
S1.004	SW3	66	97.360	-1.106	0.000	0.04			63.6	OK
S1.005	SW4	66	97.359	-1.051	0.000	0.04			69.6	OK
S1.006	SW5	66	97.359	-0.997	0.000	0.03			62.1	OK
S4.000	SW12	66	97.358	-1.292	0.000	0.00			6.8	OK
S4.001	SW13	66	97.359	-1.168	0.000	0.01			9.6	OK
S4.002	SW14	66	97.359	-1.141	0.000	0.01			14.1	OK
S4.003	SW15	66	97.359	-1.113	0.000	0.01			19.1	OK
S4.004	SW16	66	97.359	-1.115	0.000	0.02			25.2	OK
S1.007	SW6	66	97.359	-0.895	0.000	0.08			77.0	OK

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Summary Wizard of 15 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	66	97.358	-0.866	0.000	0.05			66.2
S1.009	SW8	66	97.355	-0.821	0.000	0.03			44.0
S1.010	SW9	66	97.351	0.220	0.000	0.18			15.1
S1.011	SEX UU 1	66	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	66	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	54	97.510	-1.240	0.000	0.01			18.9	OK
S1.001	SW17	55	97.481	-1.224	0.000	0.01			17.8	OK
S1.002	SW1	55	97.458	-1.215	0.000	0.02			26.1	OK
S1.003	SW2	57	97.415	-1.224	0.000	0.01			36.2	OK
S2.000	SW10a	55	97.492	-1.321	0.000	0.00			3.9	OK
S3.000	SW10c	57	97.415	-1.225	0.000	0.00			3.4	OK
S2.001	SW10b	57	97.415	-1.211	0.000	0.01			6.9	OK
S2.002	SW10	57	97.415	-1.199	0.000	0.01			10.3	OK
S2.003	SW11	57	97.415	-1.177	0.000	0.01			15.0	OK
S1.004	SW3	57	97.415	-1.051	0.000	0.03			48.5	OK
S1.005	SW4	57	97.415	-0.995	0.000	0.03			53.5	OK
S1.006	SW5	57	97.414	-0.941	0.000	0.02			44.3	OK
S4.000	SW12	57	97.414	-1.236	0.000	0.00			4.7	OK
S4.001	SW13	57	97.414	-1.113	0.000	0.01			7.8	OK
S4.002	SW14	57	97.414	-1.086	0.000	0.01			11.5	OK
S4.003	SW15	57	97.414	-1.058	0.000	0.01			15.1	OK
S4.004	SW16	57	97.414	-1.060	0.000	0.01			18.5	OK
S1.007	SW6	57	97.414	-0.839	0.000	0.06			52.9	OK

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Summary Wizard of 30 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	57	97.413	-0.811	0.000	0.03			46.0
S1.009	SW8	57	97.410	-0.765	0.000	0.02			31.3
S1.010	SW9	57	97.406	0.275	0.000	0.18			15.1
S1.011	SEX UU 1	50	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	48	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	57	97.474	-1.276	0.000	0.01			12.5	OK
S1.001	SW17	58	97.449	-1.256	0.000	0.01			12.4	OK
S1.002	SW1	57	97.449	-1.224	0.000	0.02			18.5	OK
S1.003	SW2	53	97.448	-1.191	0.000	0.01			25.4	OK
S2.000	SW10a	57	97.482	-1.331	0.000	0.00			2.5	OK
S3.000	SW10c	53	97.448	-1.192	0.000	0.00			2.3	OK
S2.001	SW10b	53	97.448	-1.178	0.000	0.00			4.6	OK
S2.002	SW10	53	97.448	-1.166	0.000	0.01			6.9	OK
S2.003	SW11	53	97.448	-1.144	0.000	0.00			10.0	OK
S1.004	SW3	53	97.448	-1.018	0.000	0.02			31.9	OK
S1.005	SW4	53	97.448	-0.962	0.000	0.02			34.8	OK
S1.006	SW5	53	97.448	-0.908	0.000	0.01			28.2	OK
S4.000	SW12	53	97.447	-1.203	0.000	0.00			3.0	OK
S4.001	SW13	53	97.447	-1.080	0.000	0.00			5.2	OK
S4.002	SW14	53	97.447	-1.053	0.000	0.01			7.3	OK
S4.003	SW15	53	97.447	-1.024	0.000	0.01			9.4	OK
S4.004	SW16	53	97.447	-1.027	0.000	0.01			11.2	OK
S1.007	SW6	53	97.447	-0.806	0.000	0.04			33.3	OK

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Summary Wizard of 60 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	53	97.446	-0.778	0.000	0.02			29.2
S1.009	SW8	53	97.444	-0.732	0.000	0.01			22.5
S1.010	SW9	53	97.439	0.308	0.000	0.18			15.1
S1.011	SEX UU 1	14	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	26	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	59	97.452	-1.298	0.000	0.01			8.0	OK
S1.001	SW17	57	97.451	-1.254	0.000	0.01			7.9	OK
S1.002	SW1	56	97.451	-1.222	0.000	0.01			11.7	OK
S1.003	SW2	52	97.450	-1.189	0.000	0.01			16.2	OK
S2.000	SW10a	60	97.475	-1.338	0.000	0.00			1.6	OK
S3.000	SW10c	52	97.450	-1.190	0.000	0.00			1.5	OK
S2.001	SW10b	52	97.450	-1.176	0.000	0.00			2.9	OK
S2.002	SW10	52	97.450	-1.164	0.000	0.00			4.5	OK
S2.003	SW11	52	97.450	-1.142	0.000	0.00			6.4	OK
S1.004	SW3	52	97.450	-1.016	0.000	0.01			20.3	OK
S1.005	SW4	52	97.450	-0.960	0.000	0.01			21.9	OK
S1.006	SW5	52	97.450	-0.906	0.000	0.01			18.2	OK
S4.000	SW12	52	97.449	-1.201	0.000	0.00			1.9	OK
S4.001	SW13	52	97.449	-1.077	0.000	0.00			3.2	OK
S4.002	SW14	52	97.450	-1.050	0.000	0.00			4.7	OK
S4.003	SW15	52	97.449	-1.022	0.000	0.00			6.1	OK
S4.004	SW16	52	97.449	-1.025	0.000	0.01			7.5	OK
S1.007	SW6	52	97.450	-0.804	0.000	0.02			22.3	OK

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Summary Wizard of 120 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	52	97.449	-0.775	0.000	0.01			20.6
S1.009	SW8	52	97.446	-0.730	0.000	0.01			18.0
S1.010	SW9	52	97.441	0.310	0.000	0.18			15.1
S1.011	SEX UU 1	30	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	24	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	62	97.441	-1.309	0.000	0.00			6.0	OK
S1.001	SW17	60	97.439	-1.266	0.000	0.00			6.0	OK
S1.002	SW1	60	97.439	-1.234	0.000	0.01			8.9	OK
S1.003	SW2	55	97.439	-1.200	0.000	0.00			12.4	OK
S2.000	SW10a	62	97.472	-1.341	0.000	0.00			1.2	OK
S3.000	SW10c	55	97.438	-1.202	0.000	0.00			1.1	OK
S2.001	SW10b	55	97.438	-1.188	0.000	0.00			2.2	OK
S2.002	SW10	55	97.438	-1.176	0.000	0.00			3.5	OK
S2.003	SW11	55	97.438	-1.154	0.000	0.00			5.0	OK
S1.004	SW3	55	97.438	-1.027	0.000	0.01			15.8	OK
S1.005	SW4	55	97.438	-0.972	0.000	0.01			17.2	OK
S1.006	SW5	55	97.438	-0.917	0.000	0.01			14.8	OK
S4.000	SW12	55	97.437	-1.213	0.000	0.00			1.4	OK
S4.001	SW13	55	97.438	-1.089	0.000	0.00			2.5	OK
S4.002	SW14	55	97.438	-1.062	0.000	0.00			3.8	OK
S4.003	SW15	55	97.438	-1.034	0.000	0.00			4.9	OK
S4.004	SW16	55	97.438	-1.036	0.000	0.01			6.5	OK
S1.007	SW6	55	97.438	-0.816	0.000	0.02			18.7	OK

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Summary Wizard of 180 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	55	97.437	-0.787	0.000	0.01			17.9
S1.009	SW8	55	97.434	-0.742	0.000	0.01			16.5
S1.010	SW9	55	97.430	0.299	0.000	0.18			15.1
S1.011	SEX UU 1	7	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	7	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	65	97.428	-1.322	0.000	0.00			4.9	OK
S1.001	SW17	62	97.423	-1.282	0.000	0.00			4.9	OK
S1.002	SW1	61	97.423	-1.250	0.000	0.01			7.4	OK
S1.003	SW2	56	97.422	-1.217	0.000	0.00			10.3	OK
S2.000	SW10a	64	97.471	-1.342	0.000	0.00			1.0	OK
S3.000	SW10c	56	97.421	-1.219	0.000	0.00			1.0	OK
S2.001	SW10b	56	97.421	-1.205	0.000	0.00			1.9	OK
S2.002	SW10	56	97.422	-1.193	0.000	0.00			2.9	OK
S2.003	SW11	56	97.422	-1.170	0.000	0.00			4.2	OK
S1.004	SW3	56	97.422	-1.044	0.000	0.01			13.3	OK
S1.005	SW4	56	97.421	-0.988	0.000	0.01			14.6	OK
S1.006	SW5	56	97.421	-0.934	0.000	0.01			13.0	OK
S4.000	SW12	56	97.420	-1.230	0.000	0.00			1.2	OK
S4.001	SW13	56	97.420	-1.106	0.000	0.00			2.2	OK
S4.002	SW14	56	97.421	-1.079	0.000	0.00			3.3	OK
S4.003	SW15	56	97.421	-1.051	0.000	0.00			4.3	OK
S4.004	SW16	56	97.421	-1.053	0.000	0.00			5.7	OK
S1.007	SW6	56	97.421	-0.832	0.000	0.02			16.6	OK

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Summary Wizard of 240 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	56	97.420	-0.804	0.000	0.01			16.3
S1.009	SW8	56	97.417	-0.758	0.000	0.01			15.5
S1.010	SW9	56	97.413	0.282	0.000	0.18			15.1
S1.011	SEX UU 1	44	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	45	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	67	97.420	-1.330	0.000	0.00			3.7	OK
S1.001	SW17	67	97.388	-1.317	0.000	0.00			3.7	OK
S1.002	SW1	66	97.384	-1.289	0.000	0.00			5.6	OK
S1.003	SW2	66	97.382	-1.257	0.000	0.00			7.9	OK
S2.000	SW10a	66	97.469	-1.344	0.000	0.00			0.7	OK
S3.000	SW10c	63	97.380	-1.260	0.000	0.00			0.7	OK
S2.001	SW10b	63	97.381	-1.245	0.000	0.00			1.5	OK
S2.002	SW10	63	97.381	-1.233	0.000	0.00			2.3	OK
S2.003	SW11	63	97.381	-1.211	0.000	0.00			3.4	OK
S1.004	SW3	63	97.381	-1.085	0.000	0.01			10.7	OK
S1.005	SW4	63	97.381	-1.029	0.000	0.01			12.0	OK
S1.006	SW5	63	97.381	-0.975	0.000	0.00			10.9	OK
S4.000	SW12	63	97.380	-1.270	0.000	0.00			0.9	OK
S4.001	SW13	63	97.380	-1.147	0.000	0.00			1.8	OK
S4.002	SW14	63	97.381	-1.119	0.000	0.00			2.7	OK
S4.003	SW15	63	97.380	-1.091	0.000	0.00			3.5	OK
S4.004	SW16	63	97.381	-1.093	0.000	0.00			4.8	OK
S1.007	SW6	63	97.381	-0.873	0.000	0.02			14.3	OK

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Summary Wizard of 360 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	63	97.379	-0.844	0.000	0.01			14.5
S1.009	SW8	63	97.377	-0.799	0.000	0.01			14.3
S1.010	SW9	63	97.373	0.242	0.000	0.18			15.1
S1.011	SEX UU 1	62	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	62	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	70	97.416	-1.334	0.000	0.00			3.0	OK
S1.001	SW17	71	97.375	-1.330	0.000	0.00			3.0	OK
S1.002	SW1	70	97.350	-1.323	0.000	0.00			4.6	OK
S1.003	SW2	69	97.338	-1.301	0.000	0.00			6.5	OK
S2.000	SW10a	70	97.468	-1.345	0.000	0.00			0.6	OK
S3.000	SW10c	69	97.335	-1.305	0.000	0.00			0.6	OK
S2.001	SW10b	69	97.335	-1.291	0.000	0.00			1.2	OK
S2.002	SW10	69	97.335	-1.279	0.000	0.00			1.9	OK
S2.003	SW11	68	97.335	-1.257	0.000	0.00			2.9	OK
S1.004	SW3	68	97.335	-1.131	0.000	0.01			9.1	OK
S1.005	SW4	68	97.335	-1.075	0.000	0.01			10.4	OK
S1.006	SW5	68	97.335	-1.021	0.000	0.00			9.6	OK
S4.000	SW12	68	97.334	-1.316	0.000	0.00			0.7	OK
S4.001	SW13	68	97.335	-1.192	0.000	0.00			1.6	OK
S4.002	SW14	68	97.335	-1.165	0.000	0.00			2.3	OK
S4.003	SW15	68	97.335	-1.137	0.000	0.00			3.1	OK
S4.004	SW16	68	97.335	-1.139	0.000	0.00			4.3	OK
S1.007	SW6	68	97.335	-0.919	0.000	0.01			13.0	OK

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Summary Wizard of 480 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	68	97.334	-0.890	0.000	0.01			13.4
S1.009	SW8	68	97.331	-0.844	0.000	0.01			13.6
S1.010	SW9	68	97.328	0.197	0.000	0.18			15.1
S1.011	SEX UU 1	68	95.890	0.020	0.000	1.15			15.1
S1.012	SEX UU 2	68	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	71	97.413	-1.337	0.000	0.00			2.6	OK
S1.001	SW17	72	97.372	-1.333	0.000	0.00			2.6	OK
S1.002	SW1	72	97.344	-1.329	0.000	0.00			3.9	OK
S1.003	SW2	74	97.308	-1.331	0.000	0.00			5.6	OK
S2.000	SW10a	71	97.467	-1.346	0.000	0.00			0.5	OK
S3.000	SW10c	75	97.295	-1.345	0.000	0.00			0.5	OK
S2.001	SW10b	74	97.291	-1.335	0.000	0.00			1.0	OK
S2.002	SW10	74	97.290	-1.324	0.000	0.00			1.6	OK
S2.003	SW11	74	97.288	-1.304	0.000	0.00			2.5	OK
S1.004	SW3	74	97.287	-1.179	0.000	0.00			8.0	OK
S1.005	SW4	74	97.287	-1.123	0.000	0.01			9.2	OK
S1.006	SW5	74	97.287	-1.069	0.000	0.00			8.6	OK
S4.000	SW12	74	97.302	-1.348	0.000	0.00			0.6	OK
S4.001	SW13	74	97.287	-1.240	0.000	0.00			1.4	OK
S4.002	SW14	74	97.287	-1.213	0.000	0.00			2.1	OK
S4.003	SW15	74	97.287	-1.185	0.000	0.00			2.8	OK
S4.004	SW16	74	97.287	-1.187	0.000	0.00			3.9	OK
S1.007	SW6	74	97.286	-0.967	0.000	0.01			12.2	OK

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Summary Wizard of 600 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	74	97.286	-0.938	0.000	0.01			12.6
S1.009	SW8	74	97.284	-0.892	0.000	0.01			13.1
S1.010	SW9	74	97.280	0.149	0.000	0.17			15.0
S1.011	SEX UU 1	74	95.889	0.019	0.000	1.14			15.0
S1.012	SEX UU 2	74	94.626	-1.157	0.000	0.01			15.0

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	75	97.412	-1.338	0.000	0.00			2.3	OK
S1.001	SW17	75	97.370	-1.335	0.000	0.00			2.3	OK
S1.002	SW1	76	97.342	-1.331	0.000	0.00			3.4	OK
S1.003	SW2	77	97.301	-1.338	0.000	0.00			4.9	OK
S2.000	SW10a	75	97.467	-1.346	0.000	0.00			0.5	OK
S3.000	SW10c	77	97.294	-1.346	0.000	0.00			0.5	OK
S2.001	SW10b	77	97.284	-1.342	0.000	0.00			0.9	OK
S2.002	SW10	77	97.276	-1.338	0.000	0.00			1.4	OK
S2.003	SW11	76	97.250	-1.342	0.000	0.00			2.2	OK
S1.004	SW3	76	97.239	-1.227	0.000	0.00			7.1	OK
S1.005	SW4	76	97.237	-1.173	0.000	0.00			8.3	OK
S1.006	SW5	76	97.236	-1.119	0.000	0.00			7.8	OK
S4.000	SW12	77	97.301	-1.349	0.000	0.00			0.6	OK
S4.001	SW13	76	97.238	-1.288	0.000	0.00			1.2	OK
S4.002	SW14	76	97.238	-1.262	0.000	0.00			1.9	OK
S4.003	SW15	76	97.238	-1.234	0.000	0.00			2.6	OK
S4.004	SW16	76	97.237	-1.237	0.000	0.00			3.7	OK
S1.007	SW6	76	97.236	-1.017	0.000	0.01			11.5	OK

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Summary Wizard of 720 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	76	97.236	-0.988	0.000	0.01			12.1
S1.009	SW8	76	97.234	-0.941	0.000	0.01			12.7
S1.010	SW9	76	97.231	0.100	0.000	0.17			14.8
S1.011	SEX UU 1	76	95.886	0.016	0.000	1.13			14.8
S1.012	SEX UU 2	76	94.626	-1.157	0.000	0.01			14.8

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	80	97.409	-1.341	0.000	0.00			1.8	OK
S1.001	SW17	80	97.367	-1.338	0.000	0.00			1.8	OK
S1.002	SW1	80	97.339	-1.334	0.000	0.00			2.8	OK
S1.003	SW2	80	97.299	-1.340	0.000	0.00			4.0	OK
S2.000	SW10a	80	97.466	-1.347	0.000	0.00			0.4	OK
S3.000	SW10c	80	97.293	-1.347	0.000	0.00			0.4	OK
S2.001	SW10b	80	97.282	-1.344	0.000	0.00			0.7	OK
S2.002	SW10	80	97.274	-1.340	0.000	0.00			1.2	OK
S2.003	SW11	80	97.246	-1.346	0.000	0.00			1.8	OK
S1.004	SW3	81	97.160	-1.306	0.000	0.00			5.9	OK
S1.005	SW4	81	97.146	-1.264	0.000	0.00			7.0	OK
S1.006	SW5	81	97.140	-1.215	0.000	0.00			6.9	OK
S4.000	SW12	80	97.301	-1.349	0.000	0.00			0.5	OK
S4.001	SW13	82	97.184	-1.342	0.000	0.00			1.0	OK
S4.002	SW14	81	97.166	-1.334	0.000	0.00			1.6	OK
S4.003	SW15	81	97.158	-1.314	0.000	0.00			2.3	OK
S4.004	SW16	81	97.153	-1.321	0.000	0.00			3.2	OK
S1.007	SW6	81	97.139	-1.114	0.000	0.01			10.4	OK

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Summary Wizard of 960 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	81	97.138	-1.086	0.000	0.01			11.2
S1.009	SW8	81	97.137	-1.039	0.000	0.01			12.1
S1.010	SW9	81	97.135	0.004	0.000	0.17			14.3
S1.011	SEX UU 1	81	95.879	0.009	0.000	1.09			14.3
S1.012	SEX UU 2	81	94.625	-1.158	0.000	0.01			14.3

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	88	97.407	-1.343	0.000	0.00			1.4	OK
S1.001	SW17	88	97.364	-1.341	0.000	0.00			1.4	OK
S1.002	SW1	88	97.335	-1.338	0.000	0.00			2.1	OK
S1.003	SW2	88	97.296	-1.343	0.000	0.00			3.0	OK
S2.000	SW10a	88	97.465	-1.348	0.000	0.00			0.3	OK
S3.000	SW10c	88	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	88	97.280	-1.346	0.000	0.00			0.6	OK
S2.002	SW10	88	97.272	-1.343	0.000	0.00			0.9	OK
S2.003	SW11	88	97.245	-1.347	0.000	0.00			1.3	OK
S1.004	SW3	88	97.136	-1.330	0.000	0.00			4.5	OK
S1.005	SW4	88	97.084	-1.326	0.000	0.00			5.3	OK
S1.006	SW5	88	97.034	-1.322	0.000	0.00			5.3	OK
S4.000	SW12	88	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	88	97.182	-1.344	0.000	0.00			0.8	OK
S4.002	SW14	88	97.160	-1.339	0.000	0.00			1.2	OK
S4.003	SW15	88	97.145	-1.327	0.000	0.00			1.7	OK
S4.004	SW16	88	97.138	-1.336	0.000	0.00			2.4	OK
S1.007	SW6	88	97.013	-1.241	0.000	0.01			8.2	OK

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Summary Wizard of 1440 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	88	96.994	-1.230	0.000	0.01			9.0	OK
S1.009	SW8	88	96.981	-1.195	0.000	0.01			10.2	OK
S1.010	SW9	88	96.973	-0.158	0.000	0.14			12.4	OK
S1.011	SEX UU 1	88	95.835	-0.035	0.000	0.94			12.4	OK
S1.012	SEX UU 2	88	94.620	-1.163	0.000	0.01			12.4	OK

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Summary Wizard of 2160 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	94	97.405	-1.345	0.000	0.00			1.0	OK
S1.001	SW17	94	97.362	-1.343	0.000	0.00			1.0	OK
S1.002	SW1	94	97.332	-1.341	0.000	0.00			1.6	OK
S1.003	SW2	94	97.294	-1.345	0.000	0.00			2.2	OK
S2.000	SW10a	94	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	94	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	94	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	94	97.270	-1.344	0.000	0.00			0.7	OK
S2.003	SW11	94	97.244	-1.348	0.000	0.00			1.0	OK
S1.004	SW3	94	97.131	-1.335	0.000	0.00			3.3	OK
S1.005	SW4	94	97.077	-1.333	0.000	0.00			4.0	OK
S1.006	SW5	94	97.020	-1.336	0.000	0.00			4.0	OK
S4.000	SW12	94	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	94	97.181	-1.346	0.000	0.00			0.6	OK
S4.002	SW14	94	97.157	-1.342	0.000	0.00			0.9	OK
S4.003	SW15	94	97.141	-1.331	0.000	0.00			1.3	OK
S4.004	SW16	94	97.134	-1.340	0.000	0.00			1.8	OK
S1.007	SW6	94	96.972	-1.282	0.000	0.01			6.2	OK

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Summary Wizard of 2160 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	94	96.945	-1.279	0.000	0.00			6.8	OK
S1.009	SW8	94	96.921	-1.254	0.000	0.00			7.8	OK
S1.010	SW9	94	96.903	-0.228	0.000	0.11			9.5	OK
S1.011	SEX UU 1	94	95.815	-0.055	0.000	0.73			9.5	OK
S1.012	SEX UU 2	94	94.612	-1.171	0.000	0.00			9.5	OK

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Summary Wizard of 2880 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	99	97.404	-1.346	0.000	0.00			0.8	OK
S1.001	SW17	99	97.360	-1.345	0.000	0.00			0.8	OK
S1.002	SW1	99	97.330	-1.343	0.000	0.00			1.3	OK
S1.003	SW2	99	97.293	-1.346	0.000	0.00			1.8	OK
S2.000	SW10a	99	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	99	97.291	-1.349	0.000	0.00			0.2	OK
S2.001	SW10b	99	97.279	-1.347	0.000	0.00			0.3	OK
S2.002	SW10	99	97.269	-1.345	0.000	0.00			0.5	OK
S2.003	SW11	99	97.244	-1.348	0.000	0.00			0.8	OK
S1.004	SW3	99	97.128	-1.338	0.000	0.00			2.7	OK
S1.005	SW4	99	97.074	-1.336	0.000	0.00			3.3	OK
S1.006	SW5	99	97.016	-1.340	0.000	0.00			3.3	OK
S4.000	SW12	99	97.301	-1.349	0.000	0.00			0.2	OK
S4.001	SW13	99	97.180	-1.347	0.000	0.00			0.5	OK
S4.002	SW14	99	97.156	-1.344	0.000	0.00			0.7	OK
S4.003	SW15	99	97.138	-1.333	0.000	0.00			1.0	OK
S4.004	SW16	99	97.133	-1.341	0.000	0.00			1.5	OK
S1.007	SW6	99	96.957	-1.297	0.000	0.01			5.0	OK

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Summary Wizard of 2880 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	99	96.927	-1.297	0.000	0.00			5.5	OK
S1.009	SW8	99	96.900	-1.275	0.000	0.00			6.3	OK
S1.010	SW9	99	96.880	-0.251	0.000	0.09			7.8	OK
S1.011	SEX UU 1	99	95.803	-0.067	0.000	0.59			7.8	OK
S1.012	SEX UU 2	99	94.607	-1.176	0.000	0.00			7.8	OK

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Summary Wizard of 4320 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	105	97.403	-1.347	0.000	0.00			0.6	OK
S1.001	SW17	105	97.359	-1.346	0.000	0.00			0.6	OK
S1.002	SW1	105	97.329	-1.344	0.000	0.00			1.0	OK
S1.003	SW2	105	97.292	-1.347	0.000	0.00			1.4	OK
S2.000	SW10a	105	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	105	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	105	97.278	-1.348	0.000	0.00			0.3	OK
S2.002	SW10	105	97.268	-1.347	0.000	0.00			0.4	OK
S2.003	SW11	105	97.244	-1.349	0.000	0.00			0.6	OK
S1.004	SW3	105	97.125	-1.341	0.000	0.00			2.0	OK
S1.005	SW4	105	97.070	-1.340	0.000	0.00			2.4	OK
S1.006	SW5	105	97.013	-1.343	0.000	0.00			2.4	OK
S4.000	SW12	105	97.300	-1.350	0.000	0.00			0.2	OK
S4.001	SW13	105	97.179	-1.348	0.000	0.00			0.4	OK
S4.002	SW14	105	97.154	-1.346	0.000	0.00			0.6	OK
S4.003	SW15	105	97.135	-1.336	0.000	0.00			0.8	OK
S4.004	SW16	105	97.131	-1.343	0.000	0.00			1.1	OK
S1.007	SW6	105	96.942	-1.311	0.000	0.00			3.8	OK

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Summary Wizard of 4320 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	105	96.911	-1.313	0.000	0.00			4.1	OK
S1.009	SW8	105	96.880	-1.296	0.000	0.00			4.7	OK
S1.010	SW9	105	96.858	-0.273	0.000	0.07			5.8	OK
S1.011	SEX UU 1	105	95.790	-0.080	0.000	0.44			5.8	OK
S1.012	SEX UU 2	105	94.601	-1.182	0.000	0.00			5.8	OK

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Summary Wizard of 5760 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	110	97.403	-1.347	0.000	0.00			0.5	OK
S1.001	SW17	110	97.358	-1.347	0.000	0.00			0.5	OK
S1.002	SW1	110	97.328	-1.345	0.000	0.00			0.8	OK
S1.003	SW2	110	97.292	-1.347	0.000	0.00			1.1	OK
S2.000	SW10a	110	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	110	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	110	97.278	-1.348	0.000	0.00			0.2	OK
S2.002	SW10	110	97.267	-1.347	0.000	0.00			0.3	OK
S2.003	SW11	110	97.243	-1.349	0.000	0.00			0.5	OK
S1.004	SW3	110	97.123	-1.343	0.000	0.00			1.7	OK
S1.005	SW4	110	97.068	-1.342	0.000	0.00			2.0	OK
S1.006	SW5	110	97.011	-1.344	0.000	0.00			2.0	OK
S4.000	SW12	110	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	110	97.179	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	110	97.153	-1.347	0.000	0.00			0.5	OK
S4.003	SW15	110	97.134	-1.338	0.000	0.00			0.6	OK
S4.004	SW16	110	97.129	-1.345	0.000	0.00			0.9	OK
S1.007	SW6	110	96.935	-1.319	0.000	0.00			3.1	OK

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Summary Wizard of 5760 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	110	96.903	-1.321	0.000	0.00			3.4	OK
S1.009	SW8	110	96.869	-1.307	0.000	0.00			3.8	OK
S1.010	SW9	110	96.846	-0.285	0.000	0.06			4.7	OK
S1.011	SEX UU 1	110	95.782	-0.088	0.000	0.36			4.7	OK
S1.012	SEX UU 2	110	94.598	-1.185	0.000	0.00			4.7	OK

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Summary Wizard of 7200 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	112	97.402	-1.348	0.000	0.00			0.4	OK
S1.001	SW17	112	97.358	-1.347	0.000	0.00			0.4	OK
S1.002	SW1	112	97.327	-1.346	0.000	0.00			0.7	OK
S1.003	SW2	112	97.291	-1.348	0.000	0.00			0.9	OK
S2.000	SW10a	112	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	112	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	112	97.277	-1.349	0.000	0.00			0.2	OK
S2.002	SW10	112	97.267	-1.348	0.000	0.00			0.3	OK
S2.003	SW11	112	97.243	-1.349	0.000	0.00			0.4	OK
S1.004	SW3	112	97.122	-1.344	0.000	0.00			1.4	OK
S1.005	SW4	112	97.067	-1.343	0.000	0.00			1.7	OK
S1.006	SW5	112	97.010	-1.345	0.000	0.00			1.7	OK
S4.000	SW12	112	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	112	97.178	-1.348	0.000	0.00			0.2	OK
S4.002	SW14	112	97.153	-1.347	0.000	0.00			0.4	OK
S4.003	SW15	112	97.132	-1.339	0.000	0.00			0.5	OK
S4.004	SW16	112	97.129	-1.345	0.000	0.00			0.8	OK
S1.007	SW6	112	96.930	-1.323	0.000	0.00			2.6	OK

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Summary Wizard of 7200 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	112	96.898	-1.326	0.000	0.00			2.9	OK
S1.009	SW8	112	96.862	-1.314	0.000	0.00			3.3	OK
S1.010	SW9	112	96.838	-0.293	0.000	0.05			4.0	OK
S1.011	SEX UU 1	112	95.777	-0.093	0.000	0.31			4.0	OK
S1.012	SEX UU 2	112	94.596	-1.187	0.000	0.00			4.0	OK

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Summary Wizard of 8640 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	113	97.402	-1.348	0.000	0.00			0.4	OK
S1.001	SW17	113	97.357	-1.348	0.000	0.00			0.4	OK
S1.002	SW1	113	97.326	-1.347	0.000	0.00			0.6	OK
S1.003	SW2	113	97.291	-1.348	0.000	0.00			0.8	OK
S2.000	SW10a	113	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	113	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	113	97.277	-1.349	0.000	0.00			0.2	OK
S2.002	SW10	113	97.266	-1.348	0.000	0.00			0.2	OK
S2.003	SW11	113	97.243	-1.349	0.000	0.00			0.4	OK
S1.004	SW3	113	97.121	-1.345	0.000	0.00			1.2	OK
S1.005	SW4	113	97.066	-1.344	0.000	0.00			1.5	OK
S1.006	SW5	113	97.010	-1.346	0.000	0.00			1.5	OK
S4.000	SW12	113	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	113	97.178	-1.349	0.000	0.00			0.2	OK
S4.002	SW14	113	97.152	-1.347	0.000	0.00			0.3	OK
S4.003	SW15	113	97.132	-1.340	0.000	0.00			0.5	OK
S4.004	SW16	113	97.128	-1.346	0.000	0.00			0.7	OK
S1.007	SW6	113	96.927	-1.327	0.000	0.00			2.3	OK

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Summary Wizard of 8640 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	113	96.894	-1.329	0.000	0.00			2.5	OK
S1.009	SW8	113	96.857	-1.319	0.000	0.00			2.9	OK
S1.010	SW9	113	96.832	-0.299	0.000	0.04			3.5	OK
S1.011	SEX UU 1	113	95.773	-0.097	0.000	0.27			3.5	OK
S1.012	SEX UU 2	113	94.595	-1.188	0.000	0.00			3.5	OK

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Summary Wizard of 10080 minute 2 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	114	97.402	-1.348	0.000	0.00			0.3	OK
S1.001	SW17	114	97.357	-1.348	0.000	0.00			0.3	OK
S1.002	SW1	114	97.326	-1.347	0.000	0.00			0.5	OK
S1.003	SW2	114	97.291	-1.348	0.000	0.00			0.7	OK
S2.000	SW10a	114	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	114	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	114	97.277	-1.349	0.000	0.00			0.1	OK
S2.002	SW10	114	97.266	-1.348	0.000	0.00			0.2	OK
S2.003	SW11	114	97.243	-1.349	0.000	0.00			0.3	OK
S1.004	SW3	114	97.121	-1.345	0.000	0.00			1.1	OK
S1.005	SW4	114	97.066	-1.344	0.000	0.00			1.3	OK
S1.006	SW5	114	97.009	-1.346	0.000	0.00			1.3	OK
S4.000	SW12	114	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	114	97.178	-1.349	0.000	0.00			0.2	OK
S4.002	SW14	114	97.152	-1.348	0.000	0.00			0.3	OK
S4.003	SW15	114	97.131	-1.341	0.000	0.00			0.4	OK
S4.004	SW16	114	97.128	-1.346	0.000	0.00			0.6	OK
S1.007	SW6	114	96.924	-1.329	0.000	0.00			2.1	OK

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Summary Wizard of 10080 minute 2 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	114	96.892	-1.332	0.000	0.00			2.3	OK
S1.009	SW8	114	96.853	-1.323	0.000	0.00			2.6	OK
S1.010	SW9	114	96.828	-0.303	0.000	0.04			3.2	OK
S1.011	SEX UU 1	114	95.770	-0.100	0.000	0.24			3.2	OK
S1.012	SEX UU 2	114	94.593	-1.190	0.000	0.00			3.2	OK

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Summary Wizard of 15 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	48	97.592	-1.158	0.000	0.03			52.1	OK
S1.001	SW17	48	97.560	-1.145	0.000	0.04			50.5	OK
S1.002	SW1	47	97.559	-1.114	0.000	0.06			73.0	OK
S1.003	SW2	47	97.559	-1.080	0.000	0.04			101.6	OK
S2.000	SW10a	48	97.558	-1.255	0.000	0.01			10.5	OK
S3.000	SW10c	47	97.558	-1.082	0.000	0.01			8.5	OK
S2.001	SW10b	47	97.558	-1.068	0.000	0.01			17.1	OK
S2.002	SW10	47	97.558	-1.056	0.000	0.03			25.3	OK
S2.003	SW11	47	97.558	-1.034	0.000	0.01			36.3	OK
S1.004	SW3	47	97.559	-0.907	0.000	0.07			122.1	OK
S1.005	SW4	47	97.558	-0.852	0.000	0.07			125.9	OK
S1.006	SW5	47	97.558	-0.798	0.000	0.04			94.3	OK
S4.000	SW12	47	97.557	-1.093	0.000	0.00			11.9	OK
S4.001	SW13	47	97.557	-0.969	0.000	0.02			21.1	OK
S4.002	SW14	47	97.557	-0.942	0.000	0.03			32.1	OK
S4.003	SW15	47	97.557	-0.914	0.000	0.02			39.3	OK
S4.004	SW16	47	97.557	-0.917	0.000	0.04			44.8	OK
S1.007	SW6	47	97.557	-0.696	0.000	0.11			101.3	OK

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Summary Wizard of 15 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	47	97.556	-0.668	0.000	0.06			80.6
S1.009	SW8	47	97.553	-0.623	0.000	0.03			48.6
S1.010	SW9	47	97.547	0.416	0.000	0.18			15.1
S1.011	SEX UU 1	58	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	56	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	41	97.655	-1.095	0.000	0.02			37.3	OK
S1.001	SW17	41	97.655	-1.050	0.000	0.03			36.4	OK
S1.002	SW1	41	97.655	-1.018	0.000	0.04			53.6	OK
S1.003	SW2	41	97.655	-0.984	0.000	0.03			73.4	OK
S2.000	SW10a	41	97.655	-1.158	0.000	0.01			7.4	OK
S3.000	SW10c	41	97.654	-0.986	0.000	0.01			5.6	OK
S2.001	SW10b	41	97.655	-0.971	0.000	0.01			10.1	OK
S2.002	SW10	41	97.655	-0.960	0.000	0.02			15.3	OK
S2.003	SW11	41	97.655	-0.937	0.000	0.01			21.0	OK
S1.004	SW3	41	97.655	-0.811	0.000	0.04			71.5	OK
S1.005	SW4	41	97.655	-0.755	0.000	0.04			73.1	OK
S1.006	SW5	41	97.654	-0.701	0.000	0.02			49.4	OK
S4.000	SW12	41	97.654	-0.996	0.000	0.00			8.0	OK
S4.001	SW13	41	97.654	-0.873	0.000	0.01			12.9	OK
S4.002	SW14	41	97.654	-0.846	0.000	0.02			19.1	OK
S4.003	SW15	41	97.654	-0.818	0.000	0.01			24.2	OK
S4.004	SW16	41	97.654	-0.820	0.000	0.02			24.1	OK
S1.007	SW6	41	97.654	-0.599	0.000	0.06			52.7	OK

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Summary Wizard of 30 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	41	97.653	-0.571	0.000	0.03			44.5
S1.009	SW8	41	97.650	-0.525	0.000	0.02			29.7
S1.010	SW9	41	97.646	0.515	0.000	0.18			15.1
S1.011	SEX UU 1	55	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	50	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	32	97.737	-1.013	0.000	0.02			24.0	OK
S1.001	SW17	32	97.737	-0.968	0.000	0.02			22.5	OK
S1.002	SW1	32	97.737	-0.936	0.000	0.03			32.6	OK
S1.003	SW2	32	97.737	-0.902	0.000	0.02			44.2	OK
S2.000	SW10a	32	97.737	-1.076	0.000	0.01			4.8	OK
S3.000	SW10c	32	97.737	-0.903	0.000	0.00			2.9	OK
S2.001	SW10b	32	97.737	-0.889	0.000	0.00			5.4	OK
S2.002	SW10	32	97.737	-0.877	0.000	0.01			8.1	OK
S2.003	SW11	32	97.738	-0.855	0.000	0.00			11.5	OK
S1.004	SW3	32	97.738	-0.728	0.000	0.02			37.6	OK
S1.005	SW4	32	97.737	-0.672	0.000	0.02			39.3	OK
S1.006	SW5	32	97.737	-0.619	0.000	0.01			27.7	OK
S4.000	SW12	32	97.736	-0.914	0.000	0.00			4.1	OK
S4.001	SW13	32	97.736	-0.791	0.000	0.01			5.8	OK
S4.002	SW14	32	97.736	-0.764	0.000	0.01			8.4	OK
S4.003	SW15	32	97.737	-0.735	0.000	0.01			10.7	OK
S4.004	SW16	32	97.737	-0.737	0.000	0.01			11.6	OK
S1.007	SW6	32	97.737	-0.517	0.000	0.03			30.1	OK

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Summary Wizard of 60 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	32	97.736	-0.488	0.000	0.02			26.5
S1.009	SW8	32	97.732	-0.443	0.000	0.01			21.9
S1.010	SW9	32	97.726	0.595	0.000	0.18			15.1
S1.011	SEX UU 1	49	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	46	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	28	97.790	-0.960	0.000	0.01			14.2	OK
S1.001	SW17	28	97.790	-0.915	0.000	0.01			12.6	OK
S1.002	SW1	28	97.790	-0.883	0.000	0.02			18.4	OK
S1.003	SW2	28	97.790	-0.849	0.000	0.01			25.1	OK
S2.000	SW10a	28	97.790	-1.023	0.000	0.00			2.9	OK
S3.000	SW10c	28	97.789	-0.851	0.000	0.00			1.7	OK
S2.001	SW10b	28	97.790	-0.836	0.000	0.00			3.2	OK
S2.002	SW10	28	97.790	-0.824	0.000	0.01			4.9	OK
S2.003	SW11	28	97.790	-0.802	0.000	0.00			6.9	OK
S1.004	SW3	28	97.790	-0.676	0.000	0.01			23.0	OK
S1.005	SW4	28	97.790	-0.620	0.000	0.01			24.6	OK
S1.006	SW5	28	97.790	-0.566	0.000	0.01			18.9	OK
S4.000	SW12	28	97.788	-0.862	0.000	0.00			2.3	OK
S4.001	SW13	28	97.789	-0.738	0.000	0.00			3.2	OK
S4.002	SW14	28	97.789	-0.711	0.000	0.00			4.5	OK
S4.003	SW15	28	97.789	-0.683	0.000	0.00			5.6	OK
S4.004	SW16	28	97.789	-0.685	0.000	0.01			6.6	OK
S1.007	SW6	28	97.789	-0.464	0.000	0.02			20.7	OK

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Summary Wizard of 120 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	28	97.788	-0.436	0.000	0.01			19.2
S1.009	SW8	28	97.784	-0.392	0.000	0.01			16.8
S1.010	SW9	28	97.777	0.646	0.000	0.18			15.1
S1.011	SEX UU 1	42	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	39	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	26	97.794	-0.956	0.000	0.01			10.4	OK
S1.001	SW17	26	97.794	-0.911	0.000	0.01			9.1	OK
S1.002	SW1	26	97.794	-0.879	0.000	0.01			13.3	OK
S1.003	SW2	26	97.794	-0.845	0.000	0.01			18.4	OK
S2.000	SW10a	26	97.793	-1.020	0.000	0.00			2.1	OK
S3.000	SW10c	26	97.793	-0.847	0.000	0.00			1.3	OK
S2.001	SW10b	26	97.793	-0.833	0.000	0.00			2.5	OK
S2.002	SW10	26	97.793	-0.821	0.000	0.00			3.9	OK
S2.003	SW11	26	97.794	-0.798	0.000	0.00			5.5	OK
S1.004	SW3	26	97.794	-0.672	0.000	0.01			18.2	OK
S1.005	SW4	26	97.794	-0.616	0.000	0.01			19.5	OK
S1.006	SW5	26	97.793	-0.562	0.000	0.01			15.6	OK
S4.000	SW12	26	97.793	-0.857	0.000	0.00			1.8	OK
S4.001	SW13	26	97.793	-0.734	0.000	0.00			2.5	OK
S4.002	SW14	26	97.793	-0.707	0.000	0.00			3.6	OK
S4.003	SW15	26	97.793	-0.679	0.000	0.00			4.7	OK
S4.004	SW16	26	97.793	-0.681	0.000	0.00			5.8	OK
S1.007	SW6	26	97.793	-0.461	0.000	0.02			18.3	OK

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Summary Wizard of 180 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	26	97.792	-0.432	0.000	0.01			17.3
S1.009	SW8	26	97.787	-0.388	0.000	0.01			15.8
S1.010	SW9	27	97.780	0.649	0.000	0.18			15.1
S1.011	SEX UU 1	37	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	40	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	29	97.779	-0.971	0.000	0.01			8.4	OK
S1.001	SW17	29	97.779	-0.926	0.000	0.01			7.5	OK
S1.002	SW1	29	97.779	-0.894	0.000	0.01			10.9	OK
S1.003	SW2	29	97.779	-0.860	0.000	0.01			15.1	OK
S2.000	SW10a	29	97.778	-1.035	0.000	0.00			1.7	OK
S3.000	SW10c	29	97.778	-0.862	0.000	0.00			1.1	OK
S2.001	SW10b	29	97.778	-0.848	0.000	0.00			2.2	OK
S2.002	SW10	29	97.779	-0.836	0.000	0.00			3.4	OK
S2.003	SW11	29	97.779	-0.813	0.000	0.00			4.9	OK
S1.004	SW3	29	97.779	-0.687	0.000	0.01			15.7	OK
S1.005	SW4	29	97.779	-0.631	0.000	0.01			17.0	OK
S1.006	SW5	29	97.778	-0.577	0.000	0.01			14.0	OK
S4.000	SW12	29	97.777	-0.873	0.000	0.00			1.5	OK
S4.001	SW13	29	97.778	-0.749	0.000	0.00			2.3	OK
S4.002	SW14	29	97.778	-0.722	0.000	0.00			3.3	OK
S4.003	SW15	29	97.778	-0.694	0.000	0.00			4.3	OK
S4.004	SW16	29	97.778	-0.696	0.000	0.00			5.6	OK
S1.007	SW6	29	97.778	-0.476	0.000	0.02			17.2	OK

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Summary Wizard of 240 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	29	97.776	-0.447	0.000	0.01			16.5
S1.009	SW8	29	97.772	-0.403	0.000	0.01			15.3
S1.010	SW9	29	97.765	0.634	0.000	0.18			15.1
S1.011	SEX UU 1	28	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	30	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	31	97.744	-1.006	0.000	0.00			6.2	OK
S1.001	SW17	31	97.744	-0.961	0.000	0.00			5.7	OK
S1.002	SW1	31	97.744	-0.929	0.000	0.01			8.3	OK
S1.003	SW2	31	97.745	-0.894	0.000	0.00			11.5	OK
S2.000	SW10a	31	97.744	-1.069	0.000	0.00			1.3	OK
S3.000	SW10c	31	97.744	-0.896	0.000	0.00			1.0	OK
S2.001	SW10b	31	97.744	-0.882	0.000	0.00			2.0	OK
S2.002	SW10	31	97.744	-0.870	0.000	0.00			2.8	OK
S2.003	SW11	31	97.744	-0.848	0.000	0.00			4.1	OK
S1.004	SW3	31	97.745	-0.721	0.000	0.01			12.9	OK
S1.005	SW4	31	97.744	-0.666	0.000	0.01			14.2	OK
S1.006	SW5	31	97.744	-0.612	0.000	0.01			12.2	OK
S4.000	SW12	31	97.743	-0.907	0.000	0.00			1.2	OK
S4.001	SW13	31	97.743	-0.784	0.000	0.00			2.5	OK
S4.002	SW14	31	97.743	-0.757	0.000	0.00			3.0	OK
S4.003	SW15	31	97.743	-0.728	0.000	0.00			3.9	OK
S4.004	SW16	31	97.743	-0.731	0.000	0.00			5.2	OK
S1.007	SW6	31	97.743	-0.510	0.000	0.02			15.6	OK

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Summary Wizard of 360 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	31	97.742	-0.482	0.000	0.01			15.3
S1.009	SW8	31	97.738	-0.437	0.000	0.01			14.7
S1.010	SW9	31	97.731	0.600	0.000	0.18			15.1
S1.011	SEX UU 1	22	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	33	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	34	97.708	-1.042	0.000	0.00			5.1	OK
S1.001	SW17	34	97.708	-0.997	0.000	0.00			4.8	OK
S1.002	SW1	34	97.709	-0.964	0.000	0.01			7.0	OK
S1.003	SW2	34	97.709	-0.930	0.000	0.00			9.6	OK
S2.000	SW10a	34	97.708	-1.105	0.000	0.00			1.1	OK
S3.000	SW10c	34	97.708	-0.932	0.000	0.00			1.0	OK
S2.001	SW10b	34	97.708	-0.918	0.000	0.00			1.6	OK
S2.002	SW10	34	97.709	-0.906	0.000	0.00			2.5	OK
S2.003	SW11	34	97.709	-0.883	0.000	0.00			3.6	OK
S1.004	SW3	34	97.709	-0.757	0.000	0.01			11.3	OK
S1.005	SW4	34	97.708	-0.702	0.000	0.01			12.6	OK
S1.006	SW5	34	97.708	-0.648	0.000	0.00			11.1	OK
S4.000	SW12	34	97.707	-0.943	0.000	0.00			1.0	OK
S4.001	SW13	34	97.708	-0.819	0.000	0.00			2.4	OK
S4.002	SW14	34	97.708	-0.792	0.000	0.00			2.7	OK
S4.003	SW15	34	97.708	-0.764	0.000	0.00			3.5	OK
S4.004	SW16	34	97.708	-0.766	0.000	0.00			4.8	OK
S1.007	SW6	34	97.708	-0.546	0.000	0.02			14.3	OK

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Summary Wizard of 480 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	34	97.707	-0.517	0.000	0.01			14.4
S1.009	SW8	34	97.703	-0.473	0.000	0.01			14.1
S1.010	SW9	34	97.696	0.565	0.000	0.18			15.1
S1.011	SEX UU 1	33	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	19	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	40	97.669	-1.081	0.000	0.00			4.4	OK
S1.001	SW17	40	97.669	-1.036	0.000	0.00			4.2	OK
S1.002	SW1	40	97.670	-1.003	0.000	0.00			6.1	OK
S1.003	SW2	40	97.670	-0.969	0.000	0.00			8.5	OK
S2.000	SW10a	40	97.669	-1.144	0.000	0.00			0.9	OK
S3.000	SW10c	40	97.669	-0.971	0.000	0.00			1.0	OK
S2.001	SW10b	40	97.669	-0.957	0.000	0.00			1.5	OK
S2.002	SW10	40	97.669	-0.945	0.000	0.00			2.2	OK
S2.003	SW11	40	97.670	-0.923	0.000	0.00			3.2	OK
S1.004	SW3	40	97.670	-0.796	0.000	0.01			10.2	OK
S1.005	SW4	40	97.670	-0.740	0.000	0.01			11.5	OK
S1.006	SW5	40	97.669	-0.686	0.000	0.00			10.3	OK
S4.000	SW12	40	97.668	-0.982	0.000	0.00			1.0	OK
S4.001	SW13	40	97.668	-0.858	0.000	0.00			2.2	OK
S4.002	SW14	40	97.669	-0.831	0.000	0.00			2.9	OK
S4.003	SW15	40	97.669	-0.803	0.000	0.00			3.3	OK
S4.004	SW16	40	97.669	-0.805	0.000	0.00			4.4	OK
S1.007	SW6	40	97.669	-0.585	0.000	0.01			13.5	OK

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Summary Wizard of 600 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	40	97.668	-0.556	0.000	0.01			13.7
S1.009	SW8	40	97.664	-0.511	0.000	0.01			13.7
S1.010	SW9	40	97.658	0.527	0.000	0.18			15.1
S1.011	SEX UU 1	34	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	20	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	43	97.629	-1.121	0.000	0.00			3.9	OK
S1.001	SW17	43	97.630	-1.075	0.000	0.00			3.7	OK
S1.002	SW1	43	97.630	-1.043	0.000	0.00			5.5	OK
S1.003	SW2	43	97.630	-1.009	0.000	0.00			7.6	OK
S2.000	SW10a	43	97.629	-1.184	0.000	0.00			0.8	OK
S3.000	SW10c	43	97.629	-1.011	0.000	0.00			0.9	OK
S2.001	SW10b	43	97.629	-0.997	0.000	0.00			1.6	OK
S2.002	SW10	43	97.630	-0.985	0.000	0.00			2.6	OK
S2.003	SW11	43	97.630	-0.963	0.000	0.00			3.0	OK
S1.004	SW3	43	97.630	-0.836	0.000	0.01			9.4	OK
S1.005	SW4	43	97.630	-0.780	0.000	0.01			10.7	OK
S1.006	SW5	43	97.629	-0.726	0.000	0.00			9.7	OK
S4.000	SW12	43	97.628	-1.022	0.000	0.00			0.9	OK
S4.001	SW13	43	97.629	-0.898	0.000	0.00			2.1	OK
S4.002	SW14	43	97.629	-0.871	0.000	0.00			2.8	OK
S4.003	SW15	43	97.629	-0.843	0.000	0.00			3.3	OK
S4.004	SW16	43	97.629	-0.845	0.000	0.00			4.2	OK
S1.007	SW6	43	97.629	-0.625	0.000	0.01			12.9	OK

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Summary Wizard of 720 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	43	97.628	-0.596	0.000	0.01			13.2
S1.009	SW8	43	97.624	-0.551	0.000	0.01			13.5
S1.010	SW9	43	97.619	0.488	0.000	0.18			15.1
S1.011	SEX UU 1	13	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	29	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	49	97.548	-1.202	0.000	0.00			3.2	OK
S1.001	SW17	49	97.548	-1.157	0.000	0.00			3.2	OK
S1.002	SW1	48	97.548	-1.125	0.000	0.00			4.7	OK
S1.003	SW2	48	97.549	-1.090	0.000	0.00			6.5	OK
S2.000	SW10a	49	97.548	-1.265	0.000	0.00			0.7	OK
S3.000	SW10c	48	97.547	-1.093	0.000	0.00			0.8	OK
S2.001	SW10b	48	97.548	-1.078	0.000	0.00			1.3	OK
S2.002	SW10	48	97.548	-1.066	0.000	0.00			2.1	OK
S2.003	SW11	48	97.548	-1.044	0.000	0.00			2.8	OK
S1.004	SW3	48	97.548	-0.918	0.000	0.00			8.4	OK
S1.005	SW4	48	97.548	-0.862	0.000	0.01			9.6	OK
S1.006	SW5	48	97.548	-0.807	0.000	0.00			8.8	OK
S4.000	SW12	48	97.548	-1.102	0.000	0.00			1.0	OK
S4.001	SW13	48	97.548	-0.979	0.000	0.00			2.2	OK
S4.002	SW14	48	97.548	-0.952	0.000	0.00			3.3	OK
S4.003	SW15	48	97.548	-0.924	0.000	0.00			3.1	OK
S4.004	SW16	48	97.548	-0.926	0.000	0.00			3.9	OK
S1.007	SW6	48	97.548	-0.706	0.000	0.01			12.1	OK

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Summary Wizard of 960 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	48	97.547	-0.677	0.000	0.01			12.5
S1.009	SW8	48	97.544	-0.632	0.000	0.01			13.1
S1.010	SW9	48	97.538	0.407	0.000	0.18			15.1
S1.011	SEX UU 1	23	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	10	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	72	97.413	-1.337	0.000	0.00			2.4	OK
S1.001	SW17	65	97.394	-1.311	0.000	0.00			2.4	OK
S1.002	SW1	65	97.392	-1.281	0.000	0.00			3.6	OK
S1.003	SW2	64	97.390	-1.249	0.000	0.00			5.1	OK
S2.000	SW10a	74	97.467	-1.346	0.000	0.00			0.5	OK
S3.000	SW10c	62	97.389	-1.251	0.000	0.00			0.6	OK
S2.001	SW10b	62	97.389	-1.237	0.000	0.00			1.2	OK
S2.002	SW10	62	97.390	-1.224	0.000	0.00			1.7	OK
S2.003	SW11	62	97.390	-1.202	0.000	0.00			2.2	OK
S1.004	SW3	62	97.390	-1.076	0.000	0.00			7.1	OK
S1.005	SW4	62	97.389	-1.020	0.000	0.00			8.2	OK
S1.006	SW5	62	97.389	-0.966	0.000	0.00			7.8	OK
S4.000	SW12	62	97.388	-1.262	0.000	0.00			0.7	OK
S4.001	SW13	62	97.388	-1.138	0.000	0.00			1.6	OK
S4.002	SW14	62	97.388	-1.111	0.000	0.00			2.5	OK
S4.003	SW15	62	97.389	-1.083	0.000	0.00			3.1	OK
S4.004	SW16	62	97.389	-1.085	0.000	0.00			3.5	OK
S1.007	SW6	62	97.389	-0.865	0.000	0.01			11.1	OK

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Summary Wizard of 1440 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	62	97.388	-0.836	0.000	0.01			11.7
S1.009	SW8	62	97.385	-0.790	0.000	0.01			12.6
S1.010	SW9	62	97.381	0.250	0.000	0.18			15.1
S1.011	SEX UU 1	60	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	60	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2160 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	81	97.409	-1.341	0.000	0.00			1.8	OK
S1.001	SW17	81	97.366	-1.339	0.000	0.00			1.8	OK
S1.002	SW1	81	97.338	-1.335	0.000	0.00			2.7	OK
S1.003	SW2	81	97.298	-1.341	0.000	0.00			3.8	OK
S2.000	SW10a	81	97.466	-1.347	0.000	0.00			0.4	OK
S3.000	SW10c	81	97.293	-1.347	0.000	0.00			0.4	OK
S2.001	SW10b	81	97.282	-1.344	0.000	0.00			0.7	OK
S2.002	SW10	81	97.273	-1.341	0.000	0.00			1.1	OK
S2.003	SW11	81	97.246	-1.346	0.000	0.00			1.7	OK
S1.004	SW3	79	97.179	-1.287	0.000	0.00			5.6	OK
S1.005	SW4	79	97.172	-1.238	0.000	0.00			6.7	OK
S1.006	SW5	79	97.169	-1.187	0.000	0.00			6.5	OK
S4.000	SW12	81	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13	79	97.187	-1.340	0.000	0.00			1.0	OK
S4.002	SW14	79	97.178	-1.322	0.000	0.00			1.5	OK
S4.003	SW15	79	97.175	-1.297	0.000	0.00			2.1	OK
S4.004	SW16	79	97.173	-1.301	0.000	0.00			3.0	OK
S1.007	SW6	79	97.168	-1.085	0.000	0.01			9.9	OK

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Summary Wizard of 2160 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	79	97.167	-1.057	0.000	0.01			10.7
S1.009	SW8	79	97.166	-1.009	0.000	0.01			11.9
S1.010	SW9	79	97.164	0.033	0.000	0.17			14.5
S1.011	SEX UU 1	79	95.882	0.012	0.000	1.10			14.5
S1.012	SEX UU 2	79	94.625	-1.158	0.000	0.01			14.5

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2880 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	87	97.407	-1.343	0.000	0.00			1.4	OK
S1.001	SW17	87	97.364	-1.341	0.000	0.00			1.4	OK
S1.002	SW1	87	97.335	-1.338	0.000	0.00			2.1	OK
S1.003	SW2	87	97.296	-1.343	0.000	0.00			3.0	OK
S2.000	SW10a	87	97.465	-1.348	0.000	0.00			0.3	OK
S3.000	SW10c	87	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	87	97.281	-1.345	0.000	0.00			0.6	OK
S2.002	SW10	87	97.272	-1.343	0.000	0.00			0.9	OK
S2.003	SW11	87	97.245	-1.347	0.000	0.00			1.4	OK
S1.004	SW3	87	97.137	-1.329	0.000	0.00			4.6	OK
S1.005	SW4	86	97.086	-1.324	0.000	0.00			5.4	OK
S1.006	SW5	86	97.040	-1.316	0.000	0.00			5.4	OK
S4.000	SW12	87	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	87	97.182	-1.344	0.000	0.00			0.8	OK
S4.002	SW14	87	97.160	-1.339	0.000	0.00			1.2	OK
S4.003	SW15	87	97.145	-1.326	0.000	0.00			1.7	OK
S4.004	SW16	87	97.138	-1.336	0.000	0.00			2.5	OK
S1.007	SW6	86	97.025	-1.228	0.000	0.01			8.4	OK

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Summary Wizard of 2880 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	86	97.010	-1.214	0.000	0.01			9.2	OK
S1.009	SW8	86	96.999	-1.176	0.000	0.01			10.4	OK
S1.010	SW9	86	96.995	-0.136	0.000	0.15			12.7	OK
S1.011	SEX UU 1	86	95.837	-0.033	0.000	0.97			12.7	OK
S1.012	SEX UU 2	86	94.621	-1.162	0.000	0.01			12.7	OK

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Summary Wizard of 4320 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	95	97.405	-1.345	0.000	0.00			1.0	OK
S1.001	SW17	95	97.362	-1.343	0.000	0.00			1.0	OK
S1.002	SW1	95	97.332	-1.341	0.000	0.00			1.6	OK
S1.003	SW2	95	97.294	-1.345	0.000	0.00			2.2	OK
S2.000	SW10a	95	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	95	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	95	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	95	97.270	-1.344	0.000	0.00			0.7	OK
S2.003	SW11	95	97.244	-1.348	0.000	0.00			1.0	OK
S1.004	SW3	95	97.131	-1.335	0.000	0.00			3.3	OK
S1.005	SW4	95	97.077	-1.333	0.000	0.00			4.0	OK
S1.006	SW5	95	97.020	-1.336	0.000	0.00			4.0	OK
S4.000	SW12	95	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	95	97.181	-1.346	0.000	0.00			0.6	OK
S4.002	SW14	95	97.157	-1.342	0.000	0.00			0.9	OK
S4.003	SW15	95	97.141	-1.331	0.000	0.00			1.3	OK
S4.004	SW16	95	97.134	-1.340	0.000	0.00			1.8	OK
S1.007	SW6	95	96.972	-1.282	0.000	0.01			6.2	OK

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Summary Wizard of 4320 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	95	96.944	-1.280	0.000	0.00			6.8	OK
S1.009	SW8	95	96.921	-1.254	0.000	0.00			7.7	OK
S1.010	SW9	95	96.903	-0.228	0.000	0.11			9.5	OK
S1.011	SEX UU 1	95	95.815	-0.055	0.000	0.72			9.5	OK
S1.012	SEX UU 2	95	94.612	-1.171	0.000	0.00			9.5	OK

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Summary Wizard of 5760 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level Rank	(m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	101	97.404		-1.346	0.000	0.00			0.8	OK
S1.001	SW17	101	97.360		-1.345	0.000	0.00			0.8	OK
S1.002	SW1	101	97.330		-1.343	0.000	0.00			1.3	OK
S1.003	SW2	101	97.293		-1.346	0.000	0.00			1.8	OK
S2.000	SW10a	101	97.464		-1.349	0.000	0.00			0.2	OK
S3.000	SW10c	101	97.291		-1.349	0.000	0.00			0.2	OK
S2.001	SW10b	101	97.279		-1.347	0.000	0.00			0.3	OK
S2.002	SW10	101	97.269		-1.345	0.000	0.00			0.5	OK
S2.003	SW11	101	97.244		-1.348	0.000	0.00			0.8	OK
S1.004	SW3	101	97.128		-1.338	0.000	0.00			2.7	OK
S1.005	SW4	101	97.074		-1.336	0.000	0.00			3.2	OK
S1.006	SW5	101	97.016		-1.340	0.000	0.00			3.2	OK
S4.000	SW12	101	97.301		-1.349	0.000	0.00			0.2	OK
S4.001	SW13	101	97.180		-1.347	0.000	0.00			0.5	OK
S4.002	SW14	101	97.156		-1.344	0.000	0.00			0.7	OK
S4.003	SW15	101	97.138		-1.334	0.000	0.00			1.0	OK
S4.004	SW16	101	97.133		-1.341	0.000	0.00			1.4	OK
S1.007	SW6	101	96.956		-1.298	0.000	0.01			4.9	OK

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Summary Wizard of 5760 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	101	96.926	-1.298	0.000	0.00			5.4	OK
S1.009	SW8	101	96.899	-1.277	0.000	0.00			6.2	OK
S1.010	SW9	101	96.878	-0.253	0.000	0.09			7.6	OK
S1.011	SEX UU 1	101	95.802	-0.068	0.000	0.58			7.6	OK
S1.012	SEX UU 2	101	94.607	-1.176	0.000	0.00			7.6	OK

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Summary Wizard of 7200 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	104	97.403	-1.347	0.000	0.00			0.7	OK
S1.001	SW17	104	97.359	-1.346	0.000	0.00			0.7	OK
S1.002	SW1	104	97.329	-1.344	0.000	0.00			1.1	OK
S1.003	SW2	104	97.293	-1.346	0.000	0.00			1.5	OK
S2.000	SW10a	104	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	104	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	104	97.278	-1.348	0.000	0.00			0.3	OK
S2.002	SW10	104	97.268	-1.346	0.000	0.00			0.4	OK
S2.003	SW11	104	97.244	-1.348	0.000	0.00			0.7	OK
S1.004	SW3	104	97.126	-1.340	0.000	0.00			2.3	OK
S1.005	SW4	104	97.071	-1.339	0.000	0.00			2.7	OK
S1.006	SW5	104	97.014	-1.342	0.000	0.00			2.7	OK
S4.000	SW12	104	97.300	-1.350	0.000	0.00			0.2	OK
S4.001	SW13	104	97.179	-1.347	0.000	0.00			0.4	OK
S4.002	SW14	104	97.155	-1.345	0.000	0.00			0.6	OK
S4.003	SW15	104	97.136	-1.335	0.000	0.00			0.9	OK
S4.004	SW16	104	97.131	-1.343	0.000	0.00			1.2	OK
S1.007	SW6	104	96.947	-1.307	0.000	0.00			4.2	OK

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Summary Wizard of 7200 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	104	96.916	-1.308	0.000	0.00			4.6	OK
S1.009	SW8	104	96.886	-1.290	0.000	0.00			5.2	OK
S1.010	SW9	104	96.865	-0.266	0.000	0.07			6.4	OK
S1.011	SEX UU 1	104	95.794	-0.076	0.000	0.49			6.4	OK
S1.012	SEX UU 2	104	94.603	-1.180	0.000	0.00			6.4	OK

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Summary Wizard of 8640 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	107	97.403	-1.347	0.000	0.00			0.6	OK
S1.001	SW17	107	97.359	-1.346	0.000	0.00			0.6	OK
S1.002	SW1	107	97.328	-1.345	0.000	0.00			0.9	OK
S1.003	SW2	107	97.292	-1.347	0.000	0.00			1.3	OK
S2.000	SW10a	107	97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	107	97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	107	97.278	-1.348	0.000	0.00			0.2	OK
S2.002	SW10	107	97.268	-1.347	0.000	0.00			0.4	OK
S2.003	SW11	107	97.243	-1.349	0.000	0.00			0.6	OK
S1.004	SW3	107	97.125	-1.341	0.000	0.00			2.0	OK
S1.005	SW4	107	97.070	-1.340	0.000	0.00			2.3	OK
S1.006	SW5	107	97.012	-1.343	0.000	0.00			2.3	OK
S4.000	SW12	107	97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	107	97.179	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	107	97.154	-1.346	0.000	0.00			0.5	OK
S4.003	SW15	107	97.135	-1.337	0.000	0.00			0.7	OK
S4.004	SW16	107	97.130	-1.344	0.000	0.00			1.1	OK
S1.007	SW6	107	96.941	-1.313	0.000	0.00			3.6	OK

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Summary Wizard of 8640 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	107	96.909	-1.315	0.000	0.00			4.0	OK
S1.009	SW8	107	96.877	-1.298	0.000	0.00			4.5	OK
S1.010	SW9	107	96.856	-0.275	0.000	0.07			5.6	OK
S1.011	SEX UU 1	107	95.788	-0.082	0.000	0.43			5.6	OK
S1.012	SEX UU 2	107	94.601	-1.182	0.000	0.00			5.6	OK

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Summary Wizard of 10080 minute 30 year Winter I+0% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	108		97.403	-1.347	0.000	0.00			0.5	OK
S1.001	SW17	108		97.358	-1.347	0.000	0.00			0.5	OK
S1.002	SW1	108		97.328	-1.345	0.000	0.00			0.8	OK
S1.003	SW2	108		97.292	-1.347	0.000	0.00			1.2	OK
S2.000	SW10a	108		97.464	-1.349	0.000	0.00			0.1	OK
S3.000	SW10c	108		97.291	-1.349	0.000	0.00			0.1	OK
S2.001	SW10b	108		97.278	-1.348	0.000	0.00			0.2	OK
S2.002	SW10	108		97.267	-1.347	0.000	0.00			0.3	OK
S2.003	SW11	108		97.243	-1.349	0.000	0.00			0.5	OK
S1.004	SW3	108		97.124	-1.342	0.000	0.00			1.7	OK
S1.005	SW4	108		97.069	-1.341	0.000	0.00			2.1	OK
S1.006	SW5	108		97.011	-1.344	0.000	0.00			2.1	OK
S4.000	SW12	108		97.300	-1.350	0.000	0.00			0.1	OK
S4.001	SW13	108		97.179	-1.348	0.000	0.00			0.3	OK
S4.002	SW14	108		97.153	-1.346	0.000	0.00			0.5	OK
S4.003	SW15	108		97.134	-1.338	0.000	0.00			0.7	OK
S4.004	SW16	108		97.130	-1.344	0.000	0.00			0.9	OK
S1.007	SW6	108		96.936	-1.317	0.000	0.00			3.2	OK

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Summary Wizard of 10080 minute 30 year Winter I+0% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	108	96.904	-1.319	0.000	0.00			3.5	OK
S1.009	SW8	108	96.871	-1.305	0.000	0.00			4.0	OK
S1.010	SW9	108	96.849	-0.282	0.000	0.06			4.9	OK
S1.011	SEX UU 1	108	95.784	-0.086	0.000	0.38			4.9	OK
S1.012	SEX UU 2	108	94.599	-1.184	0.000	0.00			4.9	OK

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Summary Wizard of 15 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	25	97.858	-0.892	0.000	0.07			97.7	OK
S1.001	SW17	25	97.858	-0.847	0.000	0.08			95.0	OK
S1.002	SW1	25	97.858	-0.815	0.000	0.11			137.1	OK
S1.003	SW2	25	97.859	-0.780	0.000	0.07			172.4	OK
S2.000	SW10a	25	97.858	-0.955	0.000	0.02			19.5	OK
S3.000	SW10c	25	97.858	-0.782	0.000	0.02			17.3	OK
S2.001	SW10b	25	97.858	-0.768	0.000	0.03			30.1	OK
S2.002	SW10	25	97.858	-0.756	0.000	0.05			41.0	OK
S2.003	SW11	25	97.858	-0.734	0.000	0.02			53.8	OK
S1.004	SW3	25	97.858	-0.607	0.000	0.10			170.1	OK
S1.005	SW4	25	97.858	-0.552	0.000	0.10			171.6	OK
S1.006	SW5	25	97.858	-0.498	0.000	0.05			112.4	OK
S4.000	SW12	25	97.858	-0.792	0.000	0.01			21.9	OK
S4.001	SW13	25	97.858	-0.669	0.000	0.03			30.5	OK
S4.002	SW14	25	97.858	-0.642	0.000	0.04			44.1	OK
S4.003	SW15	25	97.858	-0.614	0.000	0.03			53.1	OK
S4.004	SW16	25	97.858	-0.616	0.000	0.04			56.5	OK
S1.007	SW6	25	97.858	-0.396	0.000	0.11			102.3	OK

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Summary Wizard of 15 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	25	97.857	-0.367	0.000	0.06			83.2
S1.009	SW8	25	97.855	-0.321	0.000	0.03			45.7
S1.010	SW9	25	97.851	0.720	0.000	0.18			15.1
S1.011	SEX UU 1	61	95.891	0.021	0.000	1.15			15.1
S1.012	SEX UU 2	65	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 30 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	21	98.057	-0.693	0.000	0.05			67.6	OK
S1.001	SW17	21	98.057	-0.648	0.000	0.05			58.5	OK
S1.002	SW1	21	98.057	-0.616	0.000	0.07			80.5	OK
S1.003	SW2	21	98.057	-0.582	0.000	0.04			104.9	OK
S2.000	SW10a	21	98.057	-0.756	0.000	0.01			12.7	OK
S3.000	SW10c	21	98.057	-0.583	0.000	0.01			8.4	OK
S2.001	SW10b	21	98.057	-0.569	0.000	0.01			13.8	OK
S2.002	SW10	21	98.057	-0.557	0.000	0.02			20.0	OK
S2.003	SW11	21	98.057	-0.535	0.000	0.01			26.8	OK
S1.004	SW3	21	98.057	-0.409	0.000	0.05			86.2	OK
S1.005	SW4	21	98.057	-0.353	0.000	0.05			86.7	OK
S1.006	SW5	21	98.057	-0.299	0.000	0.02			53.4	OK
S4.000	SW12	21	98.056	-0.594	0.000	0.00			10.1	OK
S4.001	SW13	21	98.057	-0.470	0.000	0.01			14.3	OK
S4.002	SW14	21	98.057	-0.443	0.000	0.02			20.6	OK
S4.003	SW15	21	98.057	-0.415	0.000	0.02			25.2	OK
S4.004	SW16	21	98.057	-0.417	0.000	0.02			24.9	OK
S1.007	SW6	21	98.057	-0.197	0.000	0.06			59.0	OK

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Summary Wizard of 30 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	21	98.056	-0.168	0.000	0.04			52.3
S1.009	SW8	21	98.054	-0.121	0.000	0.02			36.1
S1.010	SW9	21	98.049	0.918	0.000	0.18			15.1
S1.011	SEX UU 1	54	95.892	0.022	0.000	1.15			15.1
S1.012	SEX UU 2	58	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 60 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	16	98.288	-0.462	0.000	0.03			41.4	OK
S1.001	SW17	16	98.288	-0.417	0.000	0.03			30.8	OK
S1.002	SW1	16	98.288	-0.385	0.000	0.03			42.5	OK
S1.003	SW2	16	98.288	-0.351	0.000	0.02			55.5	OK
S2.000	SW10a	16	98.288	-0.525	0.000	0.01			6.4	OK
S3.000	SW10c	16	98.288	-0.352	0.000	0.00			5.1	OK
S2.001	SW10b	16	98.288	-0.338	0.000	0.00			5.1	OK
S2.002	SW10	16	98.288	-0.326	0.000	0.01			7.6	OK
S2.003	SW11	16	98.288	-0.304	0.000	0.00			11.0	OK
S1.004	SW3	16	98.288	-0.177	0.000	0.02			41.9	OK
S1.005	SW4	16	98.288	-0.121	0.000	0.03			44.3	OK
S1.006	SW5	16	98.289	-0.067	0.000	0.01			28.0	OK
S4.000	SW12	16	98.287	-0.363	0.000	0.00			7.0	OK
S4.001	SW13	16	98.287	-0.239	0.000	0.00			5.1	OK
S4.002	SW14	16	98.287	-0.212	0.000	0.01			7.1	OK
S4.003	SW15	16	98.288	-0.184	0.000	0.01			9.4	OK
S4.004	SW16	16	98.288	-0.186	0.000	0.01			12.9	OK
S1.007	SW6	16	98.289	0.035	0.000	0.04			36.6	SURCHARGED

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Summary Wizard of 60 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	16	98.289	0.065	0.000	0.03			35.6
S1.009	SW8	16	98.289	0.113	0.000	0.02			28.0
S1.010	SW9	16	98.289	1.158	0.000	0.18			15.1
S1.011	SEX UU 1	45	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	49	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 120 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	7	98.794	0.044	0.000	0.02			25.8	SURCHARGED
S1.001	SW17	6	98.795	0.090	0.000	0.02			27.2	SURCHARGED
S1.002	SW1	6	98.796	0.123	0.000	0.04			48.1	SURCHARGED
S1.003	SW2	6	98.821	0.182	0.000	0.02			58.6	SURCHARGED
S2.000	SW10a	7	98.791	-0.022	0.000	0.01			9.6	OK
S3.000	SW10c	7	98.791	0.151	0.000	0.01			8.9	SURCHARGED
S2.001	SW10b	7	98.791	0.165	0.000	0.03			39.2	SURCHARGED
S2.002	SW10	6	98.795	0.181	0.000	0.05			47.3	SURCHARGED
S2.003	SW11	6	98.812	0.219	0.000	0.02			59.6	SURCHARGED
S1.004	SW3	6	98.834	0.368	0.000	0.09			149.9	SURCHARGED
S1.005	SW4	6	98.863	0.453	0.000	0.11			181.2	SURCHARGED
S1.006	SW5	6	98.885	0.529	0.000	0.09			210.4	SURCHARGED
S4.000	SW12	6	98.871	0.221	0.000	0.01			13.9	SURCHARGED
S4.001	SW13	6	98.871	0.344	0.000	0.04			43.2	SURCHARGED
S4.002	SW14	6	98.871	0.372	0.000	0.06			72.0	SURCHARGED
S4.003	SW15	6	98.875	0.403	0.000	0.05			87.5	SURCHARGED
S4.004	SW16	6	98.892	0.418	0.000	0.14			176.4	SURCHARGED
S1.007	SW6	6	98.909	0.655	0.000	0.36			345.4	SURCHARGED

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Summary Wizard of 120 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	6	98.940	0.716	0.000	0.14			198.8
S1.009	SW8	6	98.965	0.789	0.000	0.07			117.2
S1.010	SW9	6	98.976	1.845	0.000	0.18			15.1
S1.011	SEX UU 1	40	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	44	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD RISK
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 180 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	4	99.074	0.324	0.000	0.01			19.9	SURCHARGED
S1.001	SW17	4	99.074	0.369	0.000	0.04			43.8	SURCHARGED
S1.002	SW1	4	99.075	0.402	0.000	0.05			66.9	SURCHARGED
S1.003	SW2	4	99.077	0.438	0.000	0.03			82.5	SURCHARGED
S2.000	SW10a	4	99.076	0.263	0.000	0.02			15.2	SURCHARGED
S3.000	SW10c	4	99.076	0.436	0.000	0.01			15.2	SURCHARGED
S2.001	SW10b	4	99.076	0.450	0.000	0.04			48.0	SURCHARGED
S2.002	SW10	4	99.078	0.463	0.000	0.07			62.5	SURCHARGED
S2.003	SW11	4	99.079	0.486	0.000	0.03			78.4	SURCHARGED
S1.004	SW3	4	99.079	0.613	0.000	0.13			214.5	SURCHARGED
S1.005	SW4	4	99.110	0.700	0.000	0.15			252.9	SURCHARGED
S1.006	SW5	4	99.135	0.780	0.000	0.12			283.5	SURCHARGED
S4.000	SW12	4	99.138	0.488	0.000	0.01			22.9	SURCHARGED
S4.001	SW13	4	99.128	0.601	0.000	0.04			47.8	SURCHARGED
S4.002	SW14	4	99.125	0.625	0.000	0.08			88.0	SURCHARGED

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Summary Wizard of 180 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S4.003	SW15	4	99.125	0.654	0.000	0.08			127.0
S4.004	SW16	4	99.135	0.661	0.000	0.17			218.4
S1.007	SW6	4	99.150	0.897	0.000	0.42			401.9
S1.008	SW7	4	99.179	0.955	0.000	0.21			294.4
S1.009	SW8	4	99.204	1.028	0.000	0.09			142.0
S1.010	SW9	3	99.214	2.083	1.800	0.18			15.5
S1.011	SEX UU 1	4	95.897	0.027	0.000	1.17			15.3
S1.012	SEX UU 2	4	94.628	-1.155	0.000	0.01			15.1

PN	US/MH Name	Status
S4.003	SW15	SURCHARGED
S4.004	SW16	SURCHARGED
S1.007	SW6	SURCHARGED
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 240 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	2	99.125	0.375	0.000	0.01			20.1	SURCHARGED
S1.001	SW17	2	99.124	0.419	0.000	0.04			43.9	SURCHARGED
S1.002	SW1	2	99.124	0.451	0.000	0.05			66.5	SURCHARGED
S1.003	SW2	2	99.125	0.486	0.000	0.03			82.4	SURCHARGED
S2.000	SW10a	2	99.123	0.310	0.000	0.02			15.5	SURCHARGED
S3.000	SW10c	2	99.123	0.483	0.000	0.01			15.4	SURCHARGED
S2.001	SW10b	2	99.124	0.498	0.000	0.04			49.4	SURCHARGED
S2.002	SW10	2	99.124	0.510	0.000	0.07			63.6	SURCHARGED
S2.003	SW11	2	99.126	0.534	0.000	0.03			78.3	SURCHARGED
S1.004	SW3	2	99.127	0.661	0.000	0.13			222.8	SURCHARGED
S1.005	SW4	2	99.144	0.734	0.000	0.15			250.7	SURCHARGED
S1.006	SW5	2	99.163	0.808	0.000	0.12			278.7	SURCHARGED
S4.000	SW12	2	99.157	0.507	0.000	0.01			22.9	SURCHARGED
S4.001	SW13	2	99.153	0.627	0.000	0.04			48.1	SURCHARGED
S4.002	SW14	2	99.152	0.652	0.000	0.08			89.2	SURCHARGED

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Summary Wizard of 240 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S4.003	SW15	2	99.150	0.679	0.000	0.08			127.1
S4.004	SW16	2	99.164	0.690	0.000	0.16			205.6
S1.007	SW6	2	99.179	0.926	0.000	0.43			408.1
S1.008	SW7	2	99.202	0.978	0.000	0.21			290.7
S1.009	SW8	2	99.214	1.039	0.000	0.09			142.4
S1.010	SW9	1	99.214	2.083	2.038	0.18			15.5
S1.011	SEX UU 1	2	95.898	0.028	0.000	1.18			15.5
S1.012	SEX UU 2	2	94.628	-1.155	0.000	0.01			15.3

PN	US/MH Name	Status
S4.003	SW15	SURCHARGED
S4.004	SW16	SURCHARGED
S1.007	SW6	SURCHARGED
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 360 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	1	99.136	0.386	0.000	0.01			19.5	SURCHARGED
S1.001	SW17	1	99.135	0.430	0.000	0.04			43.3	SURCHARGED
S1.002	SW1	1	99.134	0.461	0.000	0.05			66.6	SURCHARGED
S1.003	SW2	1	99.133	0.494	0.000	0.03			81.3	SURCHARGED
S2.000	SW10a	1	99.134	0.321	0.000	0.02			15.0	SURCHARGED
S3.000	SW10c	1	99.134	0.494	0.000	0.01			15.0	SURCHARGED
S2.001	SW10b	1	99.133	0.507	0.000	0.04			49.3	SURCHARGED
S2.002	SW10	1	99.132	0.518	0.000	0.07			62.1	SURCHARGED
S2.003	SW11	1	99.132	0.540	0.000	0.03			78.1	SURCHARGED
S1.004	SW3	1	99.135	0.669	0.000	0.13			212.9	SURCHARGED
S1.005	SW4	1	99.161	0.751	0.000	0.15			249.4	SURCHARGED
S1.006	SW5	1	99.179	0.823	0.000	0.12			282.0	SURCHARGED
S4.000	SW12	1	99.167	0.517	0.000	0.01			23.3	SURCHARGED
S4.001	SW13	1	99.166	0.639	0.000	0.04			47.9	SURCHARGED
S4.002	SW14	1	99.167	0.667	0.000	0.08			88.9	SURCHARGED

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Summary Wizard of 360 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S4.003	SW15	1	99.170	0.698	0.000	0.08			126.8
S4.004	SW16	1	99.179	0.705	0.000	0.17			212.3
S1.007	SW6	1	99.189	0.935	0.000	0.42			399.4
S1.008	SW7	1	99.207	0.983	0.000	0.21			292.2
S1.009	SW8	1	99.218	1.042	0.000	0.09			143.0
S1.010	SW9	2	99.214	2.083	1.928	0.18			15.5
S1.011	SEX UU 1	1	95.898	0.028	0.000	1.18			15.5
S1.012	SEX UU 2	1	94.628	-1.155	0.000	0.01			15.3

PN	US/MH Name	Status
S4.003	SW15	SURCHARGED
S4.004	SW16	SURCHARGED
S1.007	SW6	SURCHARGED
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 480 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	3	99.094	0.344	0.000	0.01			18.7	SURCHARGED
S1.001	SW17	3	99.093	0.388	0.000	0.04			42.9	SURCHARGED
S1.002	SW1	3	99.091	0.418	0.000	0.05			66.2	SURCHARGED
S1.003	SW2	3	99.092	0.453	0.000	0.03			80.2	SURCHARGED
S2.000	SW10a	3	99.091	0.278	0.000	0.02			15.4	SURCHARGED
S3.000	SW10c	3	99.091	0.451	0.000	0.01			15.3	SURCHARGED
S2.001	SW10b	3	99.090	0.464	0.000	0.04			49.4	SURCHARGED
S2.002	SW10	3	99.091	0.477	0.000	0.07			62.7	SURCHARGED
S2.003	SW11	3	99.092	0.500	0.000	0.03			77.5	SURCHARGED
S1.004	SW3	3	99.100	0.634	0.000	0.13			216.2	SURCHARGED
S1.005	SW4	3	99.133	0.723	0.000	0.15			250.1	SURCHARGED
S1.006	SW5	3	99.155	0.799	0.000	0.12			280.6	SURCHARGED
S4.000	SW12	3	99.144	0.494	0.000	0.01			22.6	SURCHARGED
S4.001	SW13	3	99.140	0.614	0.000	0.04			47.4	SURCHARGED
S4.002	SW14	3	99.140	0.641	0.000	0.08			87.7	SURCHARGED

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Summary Wizard of 480 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S4.003	SW15	3	99.142	0.671	0.000	0.08			125.7
S4.004	SW16	3	99.153	0.679	0.000	0.17			215.6
S1.007	SW6	3	99.166	0.912	0.000	0.43			404.2
S1.008	SW7	3	99.193	0.969	0.000	0.21			289.4
S1.009	SW8	3	99.212	1.036	0.000	0.09			142.6
S1.010	SW9	4	99.214	2.083	1.556	0.18			15.5
S1.011	SEX UU 1	3	95.897	0.027	0.000	1.17			15.4
S1.012	SEX UU 2	3	94.628	-1.155	0.000	0.01			15.1

PN	US/MH Name	Status
S4.003	SW15	SURCHARGED
S4.004	SW16	SURCHARGED
S1.007	SW6	SURCHARGED
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 600 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	5	99.013	0.263	0.000	0.01			17.0	SURCHARGED
S1.001	SW17	5	99.012	0.307	0.000	0.03			41.8	SURCHARGED
S1.002	SW1	5	99.012	0.339	0.000	0.05			64.6	SURCHARGED
S1.003	SW2	5	99.012	0.373	0.000	0.03			77.9	SURCHARGED
S2.000	SW10a	5	99.014	0.201	0.000	0.01			11.5	SURCHARGED
S3.000	SW10c	5	99.014	0.374	0.000	0.01			11.5	SURCHARGED
S2.001	SW10b	5	99.013	0.387	0.000	0.03			40.8	SURCHARGED
S2.002	SW10	5	99.012	0.398	0.000	0.06			52.0	SURCHARGED
S2.003	SW11	5	99.013	0.421	0.000	0.02			65.8	SURCHARGED
S1.004	SW3	5	99.017	0.551	0.000	0.12			200.5	SURCHARGED
S1.005	SW4	5	99.050	0.640	0.000	0.13			223.7	SURCHARGED
S1.006	SW5	5	99.077	0.721	0.000	0.11			259.4	SURCHARGED
S4.000	SW12	5	99.088	0.438	0.000	0.01			22.1	SURCHARGED
S4.001	SW13	5	99.084	0.557	0.000	0.04			46.7	SURCHARGED
S4.002	SW14	5	99.081	0.582	0.000	0.07			86.4	SURCHARGED
S4.003	SW15	5	99.081	0.609	0.000	0.07			121.5	SURCHARGED
S4.004	SW16	5	99.086	0.612	0.000	0.17			214.6	SURCHARGED
S1.007	SW6	5	99.103	0.849	0.000	0.42			395.2	SURCHARGED

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Summary Wizard of 600 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	5	99.138	0.914	0.000	0.21			289.2
S1.009	SW8	5	99.168	0.992	0.000	0.09			138.4
S1.010	SW9	5	99.184	2.053	0.000	0.18			15.2
S1.011	SEX UU 1	5	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	34	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD RISK
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 720 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	6	98.795	0.045	0.000	0.01			8.4	SURCHARGED
S1.001	SW17	7	98.794	0.089	0.000	0.02			27.4	SURCHARGED
S1.002	SW1	7	98.791	0.118	0.000	0.04			47.8	SURCHARGED
S1.003	SW2	7	98.807	0.168	0.000	0.02			56.7	SURCHARGED
S2.000	SW10a	6	98.803	-0.010	0.000	0.01			10.2	OK
S3.000	SW10c	6	98.796	0.156	0.000	0.01			9.2	SURCHARGED
S2.001	SW10b	6	98.795	0.169	0.000	0.03			38.9	SURCHARGED
S2.002	SW10	7	98.793	0.178	0.000	0.05			47.7	SURCHARGED
S2.003	SW11	7	98.800	0.208	0.000	0.02			60.0	SURCHARGED
S1.004	SW3	7	98.819	0.353	0.000	0.10			167.9	SURCHARGED
S1.005	SW4	7	98.847	0.437	0.000	0.11			178.6	SURCHARGED
S1.006	SW5	7	98.867	0.511	0.000	0.09			203.4	SURCHARGED
S4.000	SW12	7	98.859	0.209	0.000	0.01			14.8	SURCHARGED
S4.001	SW13	7	98.858	0.331	0.000	0.04			43.2	SURCHARGED
S4.002	SW14	7	98.858	0.358	0.000	0.06			74.9	SURCHARGED
S4.003	SW15	7	98.859	0.387	0.000	0.06			95.2	SURCHARGED
S4.004	SW16	7	98.871	0.397	0.000	0.14			177.1	SURCHARGED
S1.007	SW6	7	98.888	0.634	0.000	0.35			334.2	SURCHARGED

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Summary Wizard of 720 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	7	98.917	0.693	0.000	0.17			240.0
S1.009	SW8	7	98.942	0.766	0.000	0.07			115.2
S1.010	SW9	7	98.955	1.824	0.000	0.18			15.1
S1.011	SEX UU 1	24	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	17	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	FLOOD RISK
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 960 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	8	98.462	-0.288	0.000	0.00			5.5	OK
S1.001	SW17	8	98.462	-0.243	0.000	0.00			4.1	OK
S1.002	SW1	8	98.462	-0.211	0.000	0.00			6.0	OK
S1.003	SW2	8	98.462	-0.177	0.000	0.00			8.4	OK
S2.000	SW10a	8	98.462	-0.351	0.000	0.00			0.9	OK
S3.000	SW10c	8	98.462	-0.178	0.000	0.00			0.8	OK
S2.001	SW10b	8	98.462	-0.164	0.000	0.00			1.6	OK
S2.002	SW10	8	98.462	-0.152	0.000	0.00			2.2	OK
S2.003	SW11	8	98.462	-0.130	0.000	0.00			3.0	OK
S1.004	SW3	8	98.462	-0.004	0.000	0.01			9.5	OK
S1.005	SW4	8	98.460	0.050	0.000	0.01			10.6	SURCHARGED
S1.006	SW5	8	98.460	0.104	0.000	0.01			11.8	SURCHARGED
S4.000	SW12	8	98.460	-0.190	0.000	0.00			1.1	OK
S4.001	SW13	8	98.460	-0.067	0.000	0.00			3.1	OK
S4.002	SW14	8	98.460	-0.040	0.000	0.00			4.2	OK
S4.003	SW15	8	98.460	-0.012	0.000	0.00			5.0	OK
S4.004	SW16	8	98.460	-0.014	0.000	0.01			7.5	OK
S1.007	SW6	8	98.460	0.207	0.000	0.02			19.5	SURCHARGED

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Summary Wizard of 960 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	8	98.460	0.236	0.000	0.01			16.1
S1.009	SW8	9	98.460	0.285	0.000	0.01			13.3
S1.010	SW9	9	98.460	1.329	0.000	0.18			15.1
S1.011	SEX UU 1	17	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	28	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	SURCHARGED
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 1440 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	18	98.213	-0.537	0.000	0.00			4.1	OK
S1.001	SW17	18	98.213	-0.492	0.000	0.00			3.3	OK
S1.002	SW1	18	98.213	-0.460	0.000	0.00			4.9	OK
S1.003	SW2	18	98.213	-0.426	0.000	0.00			6.8	OK
S2.000	SW10a	18	98.212	-0.601	0.000	0.00			1.4	OK
S3.000	SW10c	18	98.212	-0.428	0.000	0.00			1.5	OK
S2.001	SW10b	18	98.212	-0.414	0.000	0.00			3.7	OK
S2.002	SW10	18	98.213	-0.402	0.000	0.00			3.4	OK
S2.003	SW11	18	98.213	-0.379	0.000	0.00			3.5	OK
S1.004	SW3	18	98.213	-0.253	0.000	0.00			8.3	OK
S1.005	SW4	18	98.212	-0.198	0.000	0.01			9.5	OK
S1.006	SW5	18	98.211	-0.145	0.000	0.00			8.7	OK
S4.000	SW12	18	98.210	-0.440	0.000	0.00			1.0	OK
S4.001	SW13	18	98.210	-0.317	0.000	0.00			2.9	OK
S4.002	SW14	18	98.210	-0.290	0.000	0.00			4.5	OK
S4.003	SW15	18	98.210	-0.261	0.000	0.00			3.7	OK
S4.004	SW16	18	98.210	-0.264	0.000	0.00			4.2	OK
S1.007	SW6	18	98.210	-0.044	0.000	0.01			11.9	OK

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Summary Wizard of 1440 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	18	98.205	-0.019	0.000	0.01			12.3
S1.009	SW8	18	98.183	0.008	0.000	0.01			13.0
S1.010	SW9	18	98.183	1.052	0.000	0.18			15.1
S1.011	SEX UU 1	18	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	23	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	SURCHARGED
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2160 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	24	97.903	-0.847	0.000	0.00			3.1	OK
S1.001	SW17	24	97.903	-0.802	0.000	0.00			2.9	OK
S1.002	SW1	24	97.903	-0.770	0.000	0.00			4.2	OK
S1.003	SW2	24	97.903	-0.736	0.000	0.00			5.9	OK
S2.000	SW10a	24	97.902	-0.911	0.000	0.00			1.1	OK
S3.000	SW10c	24	97.902	-0.738	0.000	0.00			1.2	OK
S2.001	SW10b	24	97.903	-0.723	0.000	0.00			2.5	OK
S2.002	SW10	24	97.903	-0.712	0.000	0.00			3.6	OK
S2.003	SW11	24	97.903	-0.689	0.000	0.00			4.0	OK
S1.004	SW3	24	97.903	-0.563	0.000	0.00			7.4	OK
S1.005	SW4	24	97.903	-0.507	0.000	0.01			8.5	OK
S1.006	SW5	24	97.902	-0.454	0.000	0.00			8.1	OK
S4.000	SW12	24	97.901	-0.749	0.000	0.00			1.1	OK
S4.001	SW13	24	97.901	-0.625	0.000	0.00			2.0	OK
S4.002	SW14	24	97.902	-0.598	0.000	0.00			2.6	OK
S4.003	SW15	24	97.902	-0.570	0.000	0.00			2.7	OK
S4.004	SW16	24	97.902	-0.572	0.000	0.00			3.6	OK
S1.007	SW6	24	97.902	-0.352	0.000	0.01			11.1	OK

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Summary Wizard of 2160 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	24	97.900	-0.324	0.000	0.01			11.7
S1.009	SW8	24	97.895	-0.280	0.000	0.01			12.7
S1.010	SW9	24	97.885	0.754	0.000	0.18			15.1
S1.011	SEX UU 1	12	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	9	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 2880 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	39	97.670	-1.080	0.000	0.00			2.8	OK
S1.001	SW17	39	97.670	-1.035	0.000	0.00			3.1	OK
S1.002	SW1	39	97.671	-1.002	0.000	0.00			4.0	OK
S1.003	SW2	39	97.671	-0.968	0.000	0.00			5.5	OK
S2.000	SW10a	39	97.670	-1.143	0.000	0.00			0.9	OK
S3.000	SW10c	39	97.670	-0.970	0.000	0.00			1.1	OK
S2.001	SW10b	39	97.670	-0.956	0.000	0.00			2.1	OK
S2.002	SW10	39	97.670	-0.944	0.000	0.00			2.7	OK
S2.003	SW11	39	97.671	-0.922	0.000	0.00			3.7	OK
S1.004	SW3	39	97.671	-0.795	0.000	0.00			7.7	OK
S1.005	SW4	39	97.670	-0.740	0.000	0.00			8.3	OK
S1.006	SW5	39	97.670	-0.686	0.000	0.00			7.8	OK
S4.000	SW12	39	97.669	-0.981	0.000	0.00			1.1	OK
S4.001	SW13	39	97.669	-0.857	0.000	0.00			2.5	OK
S4.002	SW14	39	97.670	-0.830	0.000	0.00			3.5	OK
S4.003	SW15	39	97.670	-0.802	0.000	0.00			3.6	OK
S4.004	SW16	39	97.670	-0.804	0.000	0.00			4.0	OK
S1.007	SW6	39	97.670	-0.584	0.000	0.01			10.7	OK

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Summary Wizard of 2880 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	39	97.668	-0.555	0.000	0.01			11.4
S1.009	SW8	39	97.665	-0.511	0.000	0.01			12.8
S1.010	SW9	39	97.659	0.528	0.000	0.18			15.1
S1.011	SEX UU 1	9	95.892	0.022	0.000	1.16			15.1
S1.012	SEX UU 2	13	94.627	-1.156	0.000	0.01			15.1

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 4320 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	79	97.409	-1.341	0.000	0.00			1.9	OK
S1.001	SW17	79	97.367	-1.338	0.000	0.00			1.9	OK
S1.002	SW1	77	97.341	-1.332	0.000	0.00			2.8	OK
S1.003	SW2	73	97.315	-1.324	0.000	0.00			4.0	OK
S2.000	SW10a	79	97.466	-1.347	0.000	0.00			0.4	OK
S3.000	SW10c	73	97.306	-1.334	0.000	0.00			0.4	OK
S2.001	SW10b	73	97.306	-1.320	0.000	0.00			0.7	OK
S2.002	SW10	73	97.306	-1.308	0.000	0.00			1.2	OK
S2.003	SW11	73	97.305	-1.287	0.000	0.00			1.9	OK
S1.004	SW3	73	97.305	-1.161	0.000	0.00			6.0	OK
S1.005	SW4	73	97.305	-1.105	0.000	0.00			7.2	OK
S1.006	SW5	73	97.304	-1.051	0.000	0.00			7.0	OK
S4.000	SW12	73	97.306	-1.344	0.000	0.00			0.5	OK
S4.001	SW13	73	97.304	-1.223	0.000	0.00			1.3	OK
S4.002	SW14	73	97.304	-1.196	0.000	0.00			2.0	OK
S4.003	SW15	73	97.304	-1.168	0.000	0.00			2.4	OK
S4.004	SW16	73	97.304	-1.170	0.000	0.00			3.5	OK
S1.007	SW6	73	97.304	-0.949	0.000	0.01			10.2	OK

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Summary Wizard of 4320 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
S1.008	SW7	73	97.303	-0.920	0.000	0.01			11.0
S1.009	SW8	73	97.301	-0.874	0.000	0.01			12.4
S1.010	SW9	73	97.298	0.167	0.000	0.18			15.0
S1.011	SEX UU 1	73	95.890	0.020	0.000	1.14			15.0
S1.012	SEX UU 2	73	94.627	-1.156	0.000	0.01			15.0

PN	US/MH Name	Status
S1.008	SW7	OK
S1.009	SW8	OK
S1.010	SW9	SURCHARGED
S1.011	SEX UU 1	SURCHARGED
S1.012	SEX UU 2	OK

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Summary Wizard of 5760 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	84	97.407	-1.343	0.000	0.00			1.5	OK
S1.001	SW17	84	97.365	-1.340	0.000	0.00			1.5	OK
S1.002	SW1	84	97.336	-1.337	0.000	0.00			2.2	OK
S1.003	SW2	84	97.297	-1.342	0.000	0.00			3.2	OK
S2.000	SW10a	84	97.466	-1.347	0.000	0.00			0.3	OK
S3.000	SW10c	84	97.292	-1.348	0.000	0.00			0.3	OK
S2.001	SW10b	84	97.281	-1.345	0.000	0.00			0.6	OK
S2.002	SW10	84	97.272	-1.342	0.000	0.00			0.9	OK
S2.003	SW11	84	97.246	-1.347	0.000	0.00			1.4	OK
S1.004	SW3	83	97.139	-1.327	0.000	0.00			4.8	OK
S1.005	SW4	83	97.093	-1.317	0.000	0.00			5.7	OK
S1.006	SW5	83	97.062	-1.293	0.000	0.00			5.7	OK
S4.000	SW12	84	97.301	-1.349	0.000	0.00			0.4	OK
S4.001	SW13	84	97.183	-1.344	0.000	0.00			0.8	OK
S4.002	SW14	84	97.161	-1.339	0.000	0.00			1.3	OK
S4.003	SW15	84	97.146	-1.325	0.000	0.00			1.8	OK
S4.004	SW16	84	97.138	-1.336	0.000	0.00			2.6	OK
S1.007	SW6	83	97.056	-1.197	0.000	0.01			8.8	OK

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Summary Wizard of 5760 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	83	97.049	-1.175	0.000	0.01			9.6	OK
S1.009	SW8	83	97.046	-1.130	0.000	0.01			11.0	OK
S1.010	SW9	83	97.044	-0.087	0.000	0.16			13.4	OK
S1.011	SEX UU 1	84	95.870	0.000	0.000	1.02			13.4	OK
S1.012	SEX UU 2	83	94.622	-1.161	0.000	0.01			13.4	OK

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Summary Wizard of 7200 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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 0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	90		97.406	-1.344	0.000	0.00			1.2	OK
S1.001	SW17	90		97.363	-1.342	0.000	0.00			1.2	OK
S1.002	SW1	90		97.334	-1.339	0.000	0.00			1.9	OK
S1.003	SW2	90		97.295	-1.344	0.000	0.00			2.7	OK
S2.000	SW10a	90		97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	90		97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	90		97.280	-1.346	0.000	0.00			0.5	OK
S2.002	SW10	90		97.271	-1.343	0.000	0.00			0.8	OK
S2.003	SW11	90		97.245	-1.347	0.000	0.00			1.2	OK
S1.004	SW3	90		97.134	-1.332	0.000	0.00			4.0	OK
S1.005	SW4	90		97.081	-1.329	0.000	0.00			4.8	OK
S1.006	SW5	90		97.025	-1.330	0.000	0.00			4.8	OK
S4.000	SW12	90		97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	90		97.182	-1.345	0.000	0.00			0.7	OK
S4.002	SW14	90		97.159	-1.341	0.000	0.00			1.1	OK
S4.003	SW15	90		97.143	-1.328	0.000	0.00			1.5	OK
S4.004	SW16	90		97.136	-1.338	0.000	0.00			2.2	OK
S1.007	SW6	90		96.991	-1.263	0.000	0.01			7.4	OK

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Summary Wizard of 7200 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	90	96.967	-1.257	0.000	0.01			8.1	OK
S1.009	SW8	90	96.948	-1.228	0.000	0.01			9.3	OK
S1.010	SW9	90	96.932	-0.199	0.000	0.13			11.4	OK
S1.011	SEX UU 1	90	95.828	-0.042	0.000	0.87			11.4	OK
S1.012	SEX UU 2	90	94.617	-1.166	0.000	0.01			11.4	OK

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Summary Wizard of 8640 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	93	97.405	-1.345	0.000	0.00			1.1	OK
S1.001	SW17	93	97.362	-1.343	0.000	0.00			1.1	OK
S1.002	SW1	93	97.332	-1.341	0.000	0.00			1.6	OK
S1.003	SW2	93	97.295	-1.344	0.000	0.00			2.3	OK
S2.000	SW10a	93	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	93	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	93	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	93	97.270	-1.344	0.000	0.00			0.7	OK
S2.003	SW11	93	97.245	-1.348	0.000	0.00			1.0	OK
S1.004	SW3	93	97.131	-1.335	0.000	0.00			3.5	OK
S1.005	SW4	93	97.078	-1.332	0.000	0.00			4.1	OK
S1.006	SW5	93	97.020	-1.335	0.000	0.00			4.1	OK
S4.000	SW12	93	97.301	-1.349	0.000	0.00			0.3	OK
S4.001	SW13	93	97.181	-1.346	0.000	0.00			0.6	OK
S4.002	SW14	93	97.158	-1.342	0.000	0.00			0.9	OK
S4.003	SW15	93	97.141	-1.330	0.000	0.00			1.3	OK
S4.004	SW16	93	97.135	-1.339	0.000	0.00			1.9	OK
S1.007	SW6	93	96.975	-1.279	0.000	0.01			6.4	OK

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Summary Wizard of 8640 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	93	96.948	-1.276	0.000	0.01			7.0	OK
S1.009	SW8	93	96.926	-1.250	0.000	0.01			8.0	OK
S1.010	SW9	93	96.907	-0.224	0.000	0.11			9.8	OK
S1.011	SEX UU 1	93	95.817	-0.053	0.000	0.75			9.8	OK
S1.012	SEX UU 2	93	94.613	-1.170	0.000	0.01			9.8	OK

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Summary Wizard of 10080 minute 100 year Winter I+45% for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet 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	0
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	0.355
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
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	ON

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	SW17a	97	97.405	-1.345	0.000	0.00			0.9	OK
S1.001	SW17	97	97.361	-1.344	0.000	0.00			0.9	OK
S1.002	SW1	97	97.331	-1.342	0.000	0.00			1.4	OK
S1.003	SW2	97	97.294	-1.345	0.000	0.00			2.0	OK
S2.000	SW10a	97	97.465	-1.348	0.000	0.00			0.2	OK
S3.000	SW10c	97	97.292	-1.348	0.000	0.00			0.2	OK
S2.001	SW10b	97	97.279	-1.347	0.000	0.00			0.4	OK
S2.002	SW10	97	97.269	-1.345	0.000	0.00			0.6	OK
S2.003	SW11	97	97.244	-1.348	0.000	0.00			0.9	OK
S1.004	SW3	97	97.129	-1.336	0.000	0.00			3.1	OK
S1.005	SW4	97	97.075	-1.334	0.000	0.00			3.7	OK
S1.006	SW5	97	97.018	-1.338	0.000	0.00			3.7	OK
S4.000	SW12	97	97.301	-1.349	0.000	0.00			0.2	OK
S4.001	SW13	97	97.180	-1.346	0.000	0.00			0.5	OK
S4.002	SW14	97	97.157	-1.343	0.000	0.00			0.8	OK
S4.003	SW15	97	97.140	-1.332	0.000	0.00			1.2	OK
S4.004	SW16	97	97.134	-1.340	0.000	0.00			1.6	OK
S1.007	SW6	97	96.965	-1.289	0.000	0.01			5.6	OK

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Summary Wizard of 10080 minute 100 year Winter I+45% for Storm

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.008	SW7	97	96.936	-1.288	0.000	0.00			6.2	OK
S1.009	SW8	97	96.911	-1.265	0.000	0.00			7.1	OK
S1.010	SW9	97	96.892	-0.239	0.000	0.10			8.7	OK
S1.011	SEX UU 1	97	95.809	-0.061	0.000	0.66			8.7	OK
S1.012	SEX UU 2	97	94.610	-1.173	0.000	0.00			8.7	OK

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