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Camden Mill Lower Bristol Road Bath		
Date 25/11/2021 14:33 File 0041946_SURFACE WATER D...	Designed by lallen Checked by	
Innovyze Network 2020.1.3		

Summary Wizard of 30 minute 1 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 Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	41	69.148	-0.111	0.000	0.15		4.0	OK
S2.000	S2	31	70.050	-0.100	0.000	0.24		6.7	OK
S1.001	S3	49	69.006	0.004	0.000	0.27		10.7	SURCHARGED
S3.000	S4	34	69.290	-0.126	0.000	0.06		1.4	OK
S4.000	SST1	60	68.873	-0.080	0.000	0.15		1.7	OK
S1.002	S5	49	68.994	0.072	0.000	0.06		2.4	SURCHARGED
S1.003	S6	54	68.859	0.086	0.000	0.05		4.2	SURCHARGED
S5.000	S9	44	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	53	69.111	-0.118	0.000	0.11		2.3	OK
S1.004	S10	54	68.857	0.270	0.000	0.06		5.2	SURCHARGED
S6.000	S11	23	68.722	-0.108	0.000	0.17		3.4	OK
S1.005	S12	41	68.158	-0.238	0.000	0.09		7.2	OK
S7.000	S13	23	68.437	-0.087	0.000	0.37		5.1	OK
S1.006	S14	30	68.075	-0.226	0.000	0.14		16.6	OK
S1.007	S15	33	67.852	-0.212	0.000	0.19		16.6	OK
S8.000	S19	25	68.096	-0.124	0.000	0.07		2.0	OK
S9.000	S19	47	67.533	-0.117	0.000	0.08		1.5	OK
S10.000	S20	47	67.552	-0.098	0.000	0.09		1.7	OK
S1.008	S18	41	67.665	0.217	0.000	0.29		9.5	SURCHARGED

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Summary Wizard of 60 minute 1 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 Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	43	69.143	-0.116	0.000	0.12		3.1	OK
S2.000	S2	36	70.044	-0.106	0.000	0.19		5.2	OK
S1.001	S3	51	68.990	-0.012	0.000	0.21		8.2	OK
S3.000	S4	39	69.287	-0.129	0.000	0.05		1.1	OK
S4.000	SST1	57	68.886	-0.067	0.000	0.16		1.8	OK
S1.002	S5	51	68.979	0.057	0.000	0.06		2.3	SURCHARGED
S1.003	S6	50	68.922	0.149	0.000	0.04		3.6	SURCHARGED
S5.000	S9	45	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	46	69.113	-0.115	0.000	0.13		2.7	OK
S1.004	S10	50	68.921	0.334	0.000	0.06		5.5	SURCHARGED
S6.000	S11	30	68.716	-0.114	0.000	0.13		2.6	OK
S1.005	S12	48	68.156	-0.240	0.000	0.09		6.7	OK
S7.000	S13	30	68.428	-0.096	0.000	0.28		3.9	OK
S1.006	S14	37	68.069	-0.232	0.000	0.12		14.1	OK
S1.007	S15	38	67.844	-0.220	0.000	0.16		14.1	OK
S8.000	S19	31	68.093	-0.127	0.000	0.06		1.5	OK
S9.000	S19	49	67.531	-0.119	0.000	0.06		1.2	OK
S10.000	S20	48	67.549	-0.101	0.000	0.08		1.5	OK
S1.008	S18	43	67.656	0.208	0.000	0.29		9.5	SURCHARGED

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Summary Wizard of 120 minute 1 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 Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	46	69.137	-0.122	0.000	0.08		2.1	OK
S2.000	S2	41	70.036	-0.114	0.000	0.13		3.6	OK
S1.001	S3	53	68.970	-0.032	0.000	0.14		5.7	OK
S3.000	S4	44	69.283	-0.133	0.000	0.03		0.7	OK
S4.000	SST1	53	68.891	-0.062	0.000	0.16		1.7	OK
S1.002	S5	54	68.964	0.042	0.000	0.06		2.3	SURCHARGED
S1.003	S6	49	68.925	0.152	0.000	0.04		3.0	SURCHARGED
S5.000	S9	46	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	47	69.113	-0.115	0.000	0.12		2.7	OK
S1.004	S10	49	68.923	0.336	0.000	0.06		5.5	SURCHARGED
S6.000	S11	38	68.711	-0.119	0.000	0.09		1.8	OK
S1.005	S12	52	68.154	-0.242	0.000	0.08		6.4	OK
S7.000	S13	38	68.419	-0.105	0.000	0.19		2.7	OK
S1.006	S14	44	68.063	-0.239	0.000	0.09		11.3	OK
S1.007	S15	46	67.835	-0.229	0.000	0.13		11.3	OK
S8.000	S19	39	68.089	-0.131	0.000	0.04		1.0	OK
S9.000	S19	52	67.522	-0.128	0.000	0.04		0.8	OK
S10.000	S20	52	67.535	-0.115	0.000	0.06		1.1	OK
S1.008	S18	47	67.622	0.174	0.000	0.29		9.3	SURCHARGED

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Hot Start (mins)		0	MADD Factor * 10m³/ha Storage		2.000																																																																																																																																																																																																																		
Hot Start Level (mm)		0	Inlet Coefficient		0.800																																																																																																																																																																																																																		
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Climate Change (%)		0, 0, 40																																																																																																																																																																																																																					
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th>Water Level</th><th>Surcharged Depth</th><th>Flooded Volume</th><th>Flow / Overflow</th><th>Half Drain Time</th><th>Pipe Flow</th><th rowspan="2">Status</th></tr><tr><th>(m)</th><th>(m)</th><th>(m³)</th><th>Cap. (l/s)</th><th>(mins)</th><th>(l/s)</th></tr><tr><td>S1.000</td><td>S1</td><td>52</td><td>69.131</td><td>-0.128</td><td>0.000</td><td>0.05</td><td></td><td>1.4</td><td>OK</td></tr><tr><td>S2.000</td><td>S2</td><td>50</td><td>70.029</td><td>-0.121</td><td>0.000</td><td>0.08</td><td></td><td>2.3</td><td>OK</td></tr><tr><td>S1.001</td><td>S3</td><td>58</td><td>68.957</td><td>-0.045</td><td>0.000</td><td>0.09</td><td></td><td>3.6</td><td>OK</td></tr><tr><td>S3.000</td><td>S4</td><td>51</td><td>69.281</td><td>-0.135</td><td>0.000</td><td>0.02</td><td></td><td>0.5</td><td>OK</td></tr><tr><td>S4.000</td><td>SST1</td><td>55</td><td>68.887</td><td>-0.066</td><td>0.000</td><td>0.14</td><td></td><td>1.5</td><td>OK</td></tr><tr><td>S1.002</td><td>S5</td><td>58</td><td>68.953</td><td>0.031</td><td>0.000</td><td>0.06</td><td></td><td>2.2</td><td>SURCHARGED</td></tr><tr><td>S1.003</td><td>S6</td><td>53</td><td>68.863</td><td>0.090</td><td>0.000</td><td>0.03</td><td></td><td>2.5</td><td>SURCHARGED</td></tr><tr><td>S5.000</td><td>S9</td><td>48</td><td>69.260</td><td>-0.150</td><td>0.000</td><td>0.00</td><td></td><td>0.0</td><td>OK</td></tr><tr><td>S5.001</td><td>SST2</td><td>54</td><td>69.111</td><td>-0.118</td><td>0.000</td><td>0.11</td><td></td><td>2.3</td><td>OK</td></tr><tr><td>S1.004</td><td>S10</td><td>53</td><td>68.861</td><td>0.274</td><td>0.000</td><td>0.06</td><td></td><td>5.2</td><td>SURCHARGED</td></tr><tr><td>S6.000</td><td>S11</td><td>50</td><td>68.704</td><td>-0.126</td><td>0.000</td><td>0.06</td><td></td><td>1.2</td><td>OK</td></tr><tr><td>S1.005</td><td>S12</td><td>56</td><td>68.151</td><td>-0.245</td><td>0.000</td><td>0.08</td><td></td><td>5.9</td><td>OK</td></tr><tr><td>S7.000</td><td>S13</td><td>50</td><td>68.409</td><td>-0.115</td><td>0.000</td><td>0.13</td><td></td><td>1.8</td><td>OK</td></tr><tr><td>S1.006</td><td>S14</td><td>54</td><td>68.055</td><td>-0.247</td><td>0.000</td><td>0.07</td><td></td><td>9.0</td><td>OK</td></tr><tr><td>S1.007</td><td>S15</td><td>54</td><td>67.828</td><td>-0.236</td><td>0.000</td><td>0.10</td><td></td><td>9.0</td><td>OK</td></tr><tr><td>S8.000</td><td>S19</td><td>50</td><td>68.086</td><td>-0.134</td><td>0.000</td><td>0.03</td><td></td><td>0.7</td><td>OK</td></tr><tr><td>S9.000</td><td>S19</td><td>56</td><td>67.507</td><td>-0.143</td><td>0.000</td><td>0.01</td><td></td><td>0.2</td><td>OK</td></tr><tr><td>S10.000</td><td>S20</td><td>56</td><td>67.512</td><td>-0.138</td><td>0.000</td><td>0.01</td><td></td><td>0.3</td><td>OK</td></tr><tr><td>S1.008</td><td>S18</td><td>54</td><td>67.560</td><td>0.112</td><td>0.000</td><td>0.28</td><td></td><td>8.9</td><td>SURCHARGED</td></tr></table>										PN	US/MH Name	Storm Rank	Water Level	Surcharged Depth	Flooded Volume	Flow / Overflow	Half Drain Time	Pipe Flow	Status	(m)	(m)	(m³)	Cap. (l/s)	(mins)	(l/s)	S1.000	S1	52	69.131	-0.128	0.000	0.05		1.4	OK	S2.000	S2	50	70.029	-0.121	0.000	0.08		2.3	OK	S1.001	S3	58	68.957	-0.045	0.000	0.09		3.6	OK	S3.000	S4	51	69.281	-0.135	0.000	0.02		0.5	OK	S4.000	SST1	55	68.887	-0.066	0.000	0.14		1.5	OK	S1.002	S5	58	68.953	0.031	0.000	0.06		2.2	SURCHARGED	S1.003	S6	53	68.863	0.090	0.000	0.03		2.5	SURCHARGED	S5.000	S9	48	69.260	-0.150	0.000	0.00		0.0	OK	S5.001	SST2	54	69.111	-0.118	0.000	0.11		2.3	OK	S1.004	S10	53	68.861	0.274	0.000	0.06		5.2	SURCHARGED	S6.000	S11	50	68.704	-0.126	0.000	0.06		1.2	OK	S1.005	S12	56	68.151	-0.245	0.000	0.08		5.9	OK	S7.000	S13	50	68.409	-0.115	0.000	0.13		1.8	OK	S1.006	S14	54	68.055	-0.247	0.000	0.07		9.0	OK	S1.007	S15	54	67.828	-0.236	0.000	0.10		9.0	OK	S8.000	S19	50	68.086	-0.134	0.000	0.03		0.7	OK	S9.000	S19	56	67.507	-0.143	0.000	0.01		0.2	OK	S10.000	S20	56	67.512	-0.138	0.000	0.01		0.3	OK	S1.008	S18	54	67.560	0.112	0.000	0.28		8.9	SURCHARGED
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BuroHappold Ltd

Camden Mill
Lower Bristol Road
Bath

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File 0041946_SURFACE WATER D...

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Checked by

Network 2020.1.3

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Summary Wizard of 360 minute 1 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 Coefficient 0.800

Manhole Headloss Coeff (Global) 0.500

Flow per Person per Day (l/per/day) 0.000

Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0

Number of Storage Structures 4

Number of Online Controls 3

Number of Time/Area Diagrams 0

Number of Offline Controls 0

Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR

Ratio R 0.360

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 OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440

Return Period(s) (years) 1, 30, 100

Climate Change (%) 0, 0, 40

			Water	Surcharged	Flooded		Half Drain	Pipe	
PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Overflow Cap.	Time (mins)	Flow (l/s)	Status
S1.000	S1	56	69.128	-0.131	0.000	0.04		1.1	OK
S2.000	S2	56	70.025	-0.125	0.000	0.06		1.8	OK
S1.001	S3	61	68.916	-0.086	0.000	0.07		2.8	OK
S3.000	S4	56	69.278	-0.138	0.000	0.02		0.4	OK
S4.000	SST1	59	68.879	-0.074	0.000	0.11		1.3	OK
S1.002	S5	61	68.913	-0.009	0.000	0.05		2.0	OK
S1.003	S6	59	68.792	0.019	0.000	0.03		2.4	SURCHARGED
S5.000	S9	49	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	59	69.108	-0.120	0.000	0.09		1.9	OK
S1.004	S10	59	68.789	0.202	0.000	0.05		4.8	SURCHARGED
S6.000	S11	56	68.701	-0.129	0.000	0.05		0.9	OK
S1.005	S12	60	68.148	-0.248	0.000	0.07		5.4	OK
S7.000	S13	56	68.405	-0.119	0.000	0.10		1.4	OK
S1.006	S14	60	68.051	-0.251	0.000	0.06		7.8	OK
S1.007	S15	60	67.824	-0.240	0.000	0.09		7.8	OK
S8.000	S19	56	68.084	-0.136	0.000	0.02		0.5	OK
S9.000	S19	59	67.500	-0.150	0.000	0.00		0.0	OK
S10.000	S20	59	67.500	-0.150	0.000	0.00		0.0	OK
S1.008	S18	58	67.519	0.071	0.000	0.26		8.5	SURCHARGED

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Camden Mill Lower Bristol Road Bath		
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Innovyze Network 2020.1.3		

Summary Wizard of 480 minute 1 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 Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	59	69.127	-0.132	0.000	0.03		0.9	OK
S2.000	S2	59	70.022	-0.128	0.000	0.05		1.5	OK
S1.001	S3	62	68.887	-0.115	0.000	0.06		2.3	OK
S3.000	S4	59	69.275	-0.141	0.000	0.01		0.3	OK
S4.000	SST1	61	68.870	-0.083	0.000	0.11		1.2	OK
S1.002	S5	62	68.885	-0.037	0.000	0.05		1.9	OK
S1.003	S6	62	68.738	-0.035	0.000	0.03		2.3	OK
S5.000	S9	50	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	61	69.106	-0.122	0.000	0.08		1.7	OK
S1.004	S10	62	68.736	0.149	0.000	0.05		4.5	SURCHARGED
S6.000	S11	59	68.699	-0.131	0.000	0.04		0.7	OK
S1.005	S12	62	68.146	-0.250	0.000	0.07		5.1	OK
S7.000	S13	59	68.402	-0.122	0.000	0.08		1.1	OK
S1.006	S14	61	68.048	-0.254	0.000	0.06		7.0	OK
S1.007	S15	61	67.820	-0.244	0.000	0.08		7.0	OK
S8.000	S19	59	68.081	-0.139	0.000	0.02		0.4	OK
S9.000	S19	61	67.500	-0.150	0.000	0.00		0.0	OK
S10.000	S20	61	67.500	-0.150	0.000	0.00		0.0	OK
S1.008	S18	61	67.455	0.007	0.000	0.24		7.7	SURCHARGED

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Camden Mill Lower Bristol Road Bath											
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Innovyze						Network 2020.1.3					
<u>Summary Wizard of 720 minute 1 year Summer I+0% for Storm</u>											
<u>Simulation Criteria</u>											
Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000											
Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 2.000											
Hot Start Level (mm) 0 Inlet Coefficient 0.800											
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000											
Foul Sewage per hectare (l/s) 0.000											
Number of Input Hydrographs 0 Number of Storage Structures 4											
Number of Online Controls 3 Number of Time/Area Diagrams 0											
Number of Offline Controls 0 Number of Real Time Controls 0											
<u>Synthetic Rainfall Details</u>											
Rainfall Model FSR Ratio R 0.360											
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											
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Hot Start (mins)		0	MADD Factor * 10m³/ha Storage		2.000																																																																																																																																																																																																																			
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Manhole Headloss Coeff (Global)		0.500	Flow per Person per Day (l/per/day)		0.000																																																																																																																																																																																																																			
Foul Sewage per hectare (l/s)		0.000																																																																																																																																																																																																																						
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Number of Offline Controls		0	Number of Real Time Controls		0																																																																																																																																																																																																																			
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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																																																																																																																																																																																																																						
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Profile(s)		Summer and Winter																																																																																																																																																																																																																						
Duration(s) (mins)		15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440																																																																																																																																																																																																																						
Return Period(s) (years)		1, 30, 100																																																																																																																																																																																																																						
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																						
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S6.000	S11	70	68.692	-0.138	0.000	0.02		0.3	OK																																																																																																																																																																																																															
S1.005	S12	71	68.137	-0.259	0.000	0.05		3.5	OK																																																																																																																																																																																																															
S7.000	S13	70	68.393	-0.131	0.000	0.04		0.5	OK																																																																																																																																																																																																															
S1.006	S14	70	68.038	-0.263	0.000	0.04		4.5	OK																																																																																																																																																																																																															
S1.007	S15	70	67.808	-0.257	0.000	0.05		4.5	OK																																																																																																																																																																																																															
S8.000	S19	70	68.075	-0.145	0.000	0.01		0.2	OK																																																																																																																																																																																																															
S9.000	S19	72	67.500	-0.150	0.000	0.00		0.0	OK																																																																																																																																																																																																															
S10.000	S20	68	67.500	-0.150	0.000	0.00		0.0	OK																																																																																																																																																																																																															
S1.008	S18	70	67.400	-0.048	0.000	0.15		4.8	OK																																																																																																																																																																																																															
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Camden Mill Lower Bristol Road Bath									
Date 25/11/2021 14:33 File 0041946_SURFACE WATER D...				Designed by lallen Checked by					
Innovyze				Network 2020.1.3					
<u>Summary Wizard of 15 minute 30 year Summer I+0% for Storm</u>									
<u>Simulation Criteria</u>									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		2.000			
Hot Start Level (mm)		0		Inlet Coefficient		0.800			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000			
Foul Sewage per hectare (l/s)		0.000							
Number of Input Hydrographs		0		Number of Storage Structures		4			
Number of Online Controls		3		Number of Time/Area Diagrams		0			
Number of Offline Controls		0		Number of Real Time Controls		0			
<u>Synthetic Rainfall Details</u>									
Rainfall Model		FSR		Ratio R		0.360			
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						OFF			
Profile(s)						Summer and Winter			
Duration(s) (mins)		15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440							
Return Period(s) (years)						1, 30, 100			
Climate Change (%)						0, 0, 40			

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Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																												
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		2.000																																																																																																																																																																																																																																												
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Return Period(s) (years)		1, 30, 100																																																																																																																																																																																																																																																
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																																
<table><tr><th colspan="2"></th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th><th>Pipe</th><th rowspan="2">Status</th></tr><tr><th>PN</th><th>US/MH Name</th><th>Storm Rank</th><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th><th>Flow (l/s)</th></tr><tr><td>S1.000</td><td>S1</td><td>27</td><td>69.293</td><td>0.034</td><td>0.000</td><td>0.35</td><td></td><td></td><td>9.2</td><td>SURCHARGED</td></tr><tr><td>S2.000</td><td>S2</td><td>24</td><td>70.084</td><td>-0.066</td><td>0.000</td><td>0.60</td><td></td><td></td><td>16.6</td><td>OK</td></tr><tr><td>S1.001</td><td>S3</td><td>27</td><td>69.261</td><td>0.259</td><td>0.000</td><td>0.63</td><td></td><td></td><td>25.1</td><td>SURCHARGED</td></tr><tr><td>S3.000</td><td>S4</td><td>27</td><td>69.304</td><td>-0.112</td><td>0.000</td><td>0.15</td><td></td><td></td><td>3.5</td><td>OK</td></tr><tr><td>S4.000</td><td>SST1</td><td>42</td><td>69.038</td><td>0.085</td><td>0.000</td><td>0.15</td><td></td><td></td><td>1.7</td><td>SURCHARGED</td></tr><tr><td>S1.002</td><td>S5</td><td>31</td><td>69.173</td><td>0.251</td><td>0.000</td><td>0.06</td><td></td><td></td><td>2.4</td><td>SURCHARGED</td></tr><tr><td>S1.003</td><td>S6</td><td>22</td><td>69.318</td><td>0.545</td><td>0.000</td><td>0.08</td><td></td><td></td><td>6.7</td><td>SURCHARGED</td></tr><tr><td>S5.000</td><td>S9</td><td>56</td><td>69.260</td><td>-0.150</td><td>0.000</td><td>0.00</td><td></td><td></td><td>0.0</td><td>OK</td></tr><tr><td>S5.001</td><td>SST2</td><td>28</td><td>69.191</td><td>-0.037</td><td>0.000</td><td>0.36</td><td></td><td></td><td>7.6</td><td>OK</td></tr><tr><td>S1.004</td><td>S10</td><td>22</td><td>69.309</td><td>0.722</td><td>0.000</td><td>0.08</td><td></td><td></td><td>7.0</td><td>SURCHARGED</td></tr><tr><td>S6.000</td><td>S11</td><td>9</td><td>68.748</td><td>-0.082</td><td>0.000</td><td>0.43</td><td></td><td></td><td>8.3</td><td>OK</td></tr><tr><td>S1.005</td><td>S12</td><td>13</td><td>68.187</td><td>-0.210</td><td>0.000</td><td>0.20</td><td></td><td></td><td>15.3</td><td>OK</td></tr><tr><td>S7.000</td><td>S13</td><td>9</td><td>68.486</td><td>-0.038</td><td>0.000</td><td>0.91</td><td></td><td></td><td>12.6</td><td>OK</td></tr><tr><td>S1.006</td><td>S14</td><td>15</td><td>68.122</td><td>-0.179</td><td>0.000</td><td>0.34</td><td></td><td></td><td>41.0</td><td>OK</td></tr><tr><td>S1.007</td><td>S15</td><td>22</td><td>67.907</td><td>-0.157</td><td>0.000</td><td>0.46</td><td></td><td></td><td>41.0</td><td>OK</td></tr><tr><td>S8.000</td><td>S19</td><td>15</td><td>68.112</td><td>-0.108</td><td>0.000</td><td>0.18</td><td></td><td></td><td>4.9</td><td>OK</td></tr><tr><td>S9.000</td><td>S19</td><td>32</td><td>67.692</td><td>0.042</td><td>0.000</td><td>0.13</td><td></td><td></td><td>2.5</td><td>SURCHARGED</td></tr><tr><td>S10.000</td><td>S20</td><td>32</td><td>67.699</td><td>0.049</td><td>0.000</td><td>0.10</td><td></td><td></td><td>1.8</td><td>SURCHARGED</td></tr><tr><td>S1.008</td><td>S18</td><td>28</td><td>67.738</td><td>0.290</td><td>0.000</td><td>0.30</td><td></td><td></td><td>9.7</td><td>SURCHARGED</td></tr></table>														Water		Surcharged		Flooded		Half Drain		Pipe	Status	PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	S1.000	S1	27	69.293	0.034	0.000	0.35			9.2	SURCHARGED	S2.000	S2	24	70.084	-0.066	0.000	0.60			16.6	OK	S1.001	S3	27	69.261	0.259	0.000	0.63			25.1	SURCHARGED	S3.000	S4	27	69.304	-0.112	0.000	0.15			3.5	OK	S4.000	SST1	42	69.038	0.085	0.000	0.15			1.7	SURCHARGED	S1.002	S5	31	69.173	0.251	0.000	0.06			2.4	SURCHARGED	S1.003	S6	22	69.318	0.545	0.000	0.08			6.7	SURCHARGED	S5.000	S9	56	69.260	-0.150	0.000	0.00			0.0	OK	S5.001	SST2	28	69.191	-0.037	0.000	0.36			7.6	OK	S1.004	S10	22	69.309	0.722	0.000	0.08			7.0	SURCHARGED	S6.000	S11	9	68.748	-0.082	0.000	0.43			8.3	OK	S1.005	S12	13	68.187	-0.210	0.000	0.20			15.3	OK	S7.000	S13	9	68.486	-0.038	0.000	0.91			12.6	OK	S1.006	S14	15	68.122	-0.179	0.000	0.34			41.0	OK	S1.007	S15	22	67.907	-0.157	0.000	0.46			41.0	OK	S8.000	S19	15	68.112	-0.108	0.000	0.18			4.9	OK	S9.000	S19	32	67.692	0.042	0.000	0.13			2.5	SURCHARGED	S10.000	S20	32	67.699	0.049	0.000	0.10			1.8	SURCHARGED	S1.008	S18	28	67.738	0.290	0.000	0.30			9.7	SURCHARGED
		Water		Surcharged		Flooded		Half Drain		Pipe	Status																																																																																																																																																																																																																																							
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Innovyze Network 2020.1.3		

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

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	33	69.170	-0.089	0.000	0.28		7.3	OK
S2.000	S2	26	70.071	-0.079	0.000	0.45		12.5	OK
S1.001	S3	37	69.145	0.143	0.000	0.49		19.6	SURCHARGED
S3.000	S4	29	69.299	-0.117	0.000	0.11		2.6	OK
S4.000	SST1	37	69.094	0.141	0.000	0.24		2.6	SURCHARGED
S1.002	S5	43	69.102	0.180	0.000	0.07		2.7	SURCHARGED
S1.003	S6	25	69.274	0.501	0.000	0.05		4.4	SURCHARGED
S5.000	S9	57	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	26	69.203	-0.025	0.000	0.32		6.9	OK
S1.004	S10	25	69.269	0.682	0.000	0.08		6.8	SURCHARGED
S6.000	S11	12	68.739	-0.091	0.000	0.32		6.3	OK
S1.005	S12	16	68.179	-0.217	0.000	0.17		13.1	OK
S7.000	S13	12	68.466	-0.058	0.000	0.69		9.5	OK
S1.006	S14	20	68.106	-0.195	0.000	0.27		32.4	OK
S1.007	S15	25	67.890	-0.175	0.000	0.36		32.5	OK
S8.000	S19	19	68.106	-0.114	0.000	0.13		3.7	OK
S9.000	S19	27	67.711	0.061	0.000	0.20		3.6	SURCHARGED
S10.000	S20	27	67.712	0.062	0.000	0.17		3.1	SURCHARGED
S1.008	S18	33	67.716	0.268	0.000	0.30		9.7	SURCHARGED

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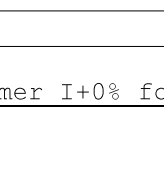
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<u>Simulation Criteria</u> Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 2.000 Hot Start Level (mm) 0 Inlet Coefficient 0.800 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000 Foul Sewage per hectare (l/s) 0.000 Number of Input Hydrographs 0 Number of Storage Structures 4 Number of Online Controls 3 Number of Time/Area Diagrams 0 Number of Offline Controls 0 Number of Real Time Controls 0																																																																																																																																																																																																																																																		
<u>Synthetic Rainfall Details</u> Rainfall Model FSR Ratio R 0.360 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 OFF Profile(s) Summer and Winter Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440 Return Period(s) (years) 1, 30, 100 Climate Change (%) 0, 0, 40																																																																																																																																																																																																																																																		
<table><tr><th colspan="2"></th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th><th>Pipe</th><th rowspan="2">Status</th></tr><tr><th>PN</th><th>US/MH Name</th><th>Storm Rank</th><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th><th>Flow (l/s)</th></tr><tr><td>S1.000</td><td>S1</td><td>35</td><td>69.154</td><td>-0.105</td><td>0.000</td><td>0.15</td><td></td><td></td><td>3.9</td><td>OK</td></tr><tr><td>S2.000</td><td>S2</td><td>32</td><td>70.049</td><td>-0.101</td><td>0.000</td><td>0.24</td><td></td><td></td><td>6.5</td><td>OK</td></tr><tr><td>S1.001</td><td>S3</td><td>33</td><td>69.152</td><td>0.150</td><td>0.000</td><td>0.25</td><td></td><td></td><td>10.1</td><td>SURCHARGED</td></tr><tr><td>S3.000</td><td>S4</td><td>35</td><td>69.289</td><td>-0.127</td><td>0.000</td><td>0.06</td><td></td><td></td><td>1.4</td><td>OK</td></tr><tr><td>S4.000</td><td>SST1</td><td>28</td><td>69.151</td><td>0.198</td><td>0.000</td><td>0.41</td><td></td><td></td><td>4.5</td><td>SURCHARGED</td></tr><tr><td>S1.002</td><td>S5</td><td>35</td><td>69.151</td><td>0.229</td><td>0.000</td><td>0.07</td><td></td><td></td><td>2.9</td><td>SURCHARGED</td></tr><tr><td>S1.003</td><td>S6</td><td>32</td><td>69.176</td><td>0.403</td><td>0.000</td><td>0.04</td><td></td><td></td><td>3.4</td><td>SURCHARGED</td></tr><tr><td>S5.000</td><td>S9</td><td>59</td><td>69.260</td><td>-0.150</td><td>0.000</td><td>0.00</td><td></td><td></td><td>0.0</td><td>OK</td></tr><tr><td>S5.001</td><td>SST2</td><td>31</td><td>69.184</td><td>-0.044</td><td>0.000</td><td>0.25</td><td></td><td></td><td>5.3</td><td>OK</td></tr><tr><td>S1.004</td><td>S10</td><td>32</td><td>69.175</td><td>0.588</td><td>0.000</td><td>0.07</td><td></td><td></td><td>6.5</td><td>SURCHARGED</td></tr><tr><td>S6.000</td><td>S11</td><td>24</td><td>68.721</td><td>-0.109</td><td>0.000</td><td>0.17</td><td></td><td></td><td>3.3</td><td>OK</td></tr><tr><td>S1.005</td><td>S12</td><td>23</td><td>68.166</td><td>-0.230</td><td>0.000</td><td>0.13</td><td></td><td></td><td>9.7</td><td>OK</td></tr><tr><td>S7.000</td><td>S13</td><td>24</td><td>68.436</td><td>-0.088</td><td>0.000</td><td>0.36</td><td></td><td></td><td>5.0</td><td>OK</td></tr><tr><td>S1.006</td><td>S14</td><td>24</td><td>68.082</td><td>-0.220</td><td>0.000</td><td>0.16</td><td></td><td></td><td>19.7</td><td>OK</td></tr><tr><td>S1.007</td><td>S15</td><td>28</td><td>67.859</td><td>-0.205</td><td>0.000</td><td>0.22</td><td></td><td></td><td>19.7</td><td>OK</td></tr><tr><td>S8.000</td><td>S19</td><td>26</td><td>68.096</td><td>-0.124</td><td>0.000</td><td>0.07</td><td></td><td></td><td>1.9</td><td>OK</td></tr><tr><td>S9.000</td><td>S19</td><td>30</td><td>67.700</td><td>0.050</td><td>0.000</td><td>0.16</td><td></td><td></td><td>3.0</td><td>SURCHARGED</td></tr><tr><td>S10.000</td><td>S20</td><td>31</td><td>67.701</td><td>0.051</td><td>0.000</td><td>0.13</td><td></td><td></td><td>2.4</td><td>SURCHARGED</td></tr><tr><td>S1.008</td><td>S18</td><td>34</td><td>67.711</td><td>0.263</td><td>0.000</td><td>0.30</td><td></td><td></td><td>9.6</td><td>SURCHARGED</td></tr></table>														Water		Surcharged		Flooded		Half Drain		Pipe	Status	PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	S1.000	S1	35	69.154	-0.105	0.000	0.15			3.9	OK	S2.000	S2	32	70.049	-0.101	0.000	0.24			6.5	OK	S1.001	S3	33	69.152	0.150	0.000	0.25			10.1	SURCHARGED	S3.000	S4	35	69.289	-0.127	0.000	0.06			1.4	OK	S4.000	SST1	28	69.151	0.198	0.000	0.41			4.5	SURCHARGED	S1.002	S5	35	69.151	0.229	0.000	0.07			2.9	SURCHARGED	S1.003	S6	32	69.176	0.403	0.000	0.04			3.4	SURCHARGED	S5.000	S9	59	69.260	-0.150	0.000	0.00			0.0	OK	S5.001	SST2	31	69.184	-0.044	0.000	0.25			5.3	OK	S1.004	S10	32	69.175	0.588	0.000	0.07			6.5	SURCHARGED	S6.000	S11	24	68.721	-0.109	0.000	0.17			3.3	OK	S1.005	S12	23	68.166	-0.230	0.000	0.13			9.7	OK	S7.000	S13	24	68.436	-0.088	0.000	0.36			5.0	OK	S1.006	S14	24	68.082	-0.220	0.000	0.16			19.7	OK	S1.007	S15	28	67.859	-0.205	0.000	0.22			19.7	OK	S8.000	S19	26	68.096	-0.124	0.000	0.07			1.9	OK	S9.000	S19	30	67.700	0.050	0.000	0.16			3.0	SURCHARGED	S10.000	S20	31	67.701	0.051	0.000	0.13			2.4	SURCHARGED	S1.008	S18	34	67.711	0.263	0.000	0.30			9.6	SURCHARGED
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S1.003	S6	32	69.176	0.403	0.000	0.04			3.4	SURCHARGED																																																																																																																																																																																																																																								
S5.000	S9	59	69.260	-0.150	0.000	0.00			0.0	OK																																																																																																																																																																																																																																								
S5.001	SST2	31	69.184	-0.044	0.000	0.25			5.3	OK																																																																																																																																																																																																																																								
S1.004	S10	32	69.175	0.588	0.000	0.07			6.5	SURCHARGED																																																																																																																																																																																																																																								
S6.000	S11	24	68.721	-0.109	0.000	0.17			3.3	OK																																																																																																																																																																																																																																								
S1.005	S12	23	68.166	-0.230	0.000	0.13			9.7	OK																																																																																																																																																																																																																																								
S7.000	S13	24	68.436	-0.088	0.000	0.36			5.0	OK																																																																																																																																																																																																																																								
S1.006	S14	24	68.082	-0.220	0.000	0.16			19.7	OK																																																																																																																																																																																																																																								
S1.007	S15	28	67.859	-0.205	0.000	0.22			19.7	OK																																																																																																																																																																																																																																								
S8.000	S19	26	68.096	-0.124	0.000	0.07			1.9	OK																																																																																																																																																																																																																																								
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S1.008	S18	34	67.711	0.263	0.000	0.30			9.6	SURCHARGED																																																																																																																																																																																																																																								
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S1.001	S3	44	69.085	0.083	0.000	0.09			3.8	SURCHARGED																																																																																																																																																																																																																																								
S3.000	S4	50	69.281	-0.135	0.000	0.02			0.5	OK																																																																																																																																																																																																																																								
S4.000	SST1	40	69.072	0.119	0.000	0.37			4.1	SURCHARGED																																																																																																																																																																																																																																								
S1.002	S5	45	69.096	0.174	0.000	0.07			2.6	SURCHARGED																																																																																																																																																																																																																																								
S1.003	S6	42	69.009	0.236	0.000	0.04			3.0	SURCHARGED																																																																																																																																																																																																																																								
S5.000	S9	64	69.260	-0.150	0.000	0.00			0.0	OK																																																																																																																																																																																																																																								
S5.001	SST2	41	69.116	-0.112	0.000	0.15			3.1	OK																																																																																																																																																																																																																																								
S1.004	S10	42	69.008	0.421	0.000	0.07			5.8	SURCHARGED																																																																																																																																																																																																																																								
S6.000	S11	49	68.704	-0.126	0.000	0.06			1.2	OK																																																																																																																																																																																																																																								
S1.005	S12	47	68.157	-0.239	0.000	0.09			7.0	OK																																																																																																																																																																																																																																								
S7.000	S13	49	68.410	-0.114	0.000	0.13			1.8	OK																																																																																																																																																																																																																																								
S1.006	S14	48	68.061	-0.241	0.000	0.09			10.6	OK																																																																																																																																																																																																																																								
S1.007	S15	48	67.833	-0.232	0.000	0.12			10.6	OK																																																																																																																																																																																																																																								
S8.000	S19	49	68.086	-0.134	0.000	0.03			0.7	OK																																																																																																																																																																																																																																								
S9.000	S19	43	67.567	-0.083	0.000	0.07			1.2	OK																																																																																																																																																																																																																																								
S10.000	S20	42	67.580	-0.070	0.000	0.04			0.8	OK																																																																																																																																																																																																																																								
S1.008	S18	49	67.606	0.158	0.000	0.29			9.2	SURCHARGED																																																																																																																																																																																																																																								
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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 * 10m ³ /ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	4
Number of Online Controls	3	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.360
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	OFF

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

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
S1.000	S1	55	69.129	-0.130	0.000	0.04		1.1	OK
S2.000	S2	54	70.026	-0.124	0.000	0.07		1.9	OK
S1.001	S3	46	69.046	0.044	0.000	0.08		3.0	SURCHARGED
S3.000	S4	55	69.278	-0.138	0.000	0.02		0.4	OK
S4.000	SST1	43	69.030	0.077	0.000	0.54		5.9	SURCHARGED
S1.002	S5	46	69.049	0.127	0.000	0.07		2.6	SURCHARGED
S1.003	S6	48	68.928	0.155	0.000	0.04		2.9	SURCHARGED
S5.000	S9	65	69.260	-0.150	0.000	0.00		0.0	OK
S5.001	SST2	48	69.113	-0.116	0.000	0.12		2.6	OK
S1.004	S10	48	68.927	0.340	0.000	0.06		5.5	SURCHARGED
S6.000	S11	54	68.701	-0.129	0.000	0.05		1.0	OK
S1.005	S12	51	68.154	-0.242	0.000	0.08		6.4	OK
S7.000	S13	54	68.406	-0.118	0.000	0.10		1.4	OK
S1.006	S14	53	68.056	-0.245	0.000	0.08		9.3	OK
S1.007	S15	53	67.829	-0.235	0.000	0.10		9.3	OK
S8.000	S19	54	68.085	-0.135	0.000	0.02		0.6	OK
S9.000	S19	51	67.528	-0.122	0.000	0.03		0.6	OK
S10.000	S20	51	67.540	-0.110	0.000	0.03		0.6	OK
S1.008	S18	53	67.567	0.119	0.000	0.28		8.9	SURCHARGED

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<u>Summary Wizard of 1440 minute 30 year Summer I+0% for Storm</u>									
<u>Simulation Criteria</u>									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		2.000			
Hot Start Level (mm)		0		Inlet Coefficient		0.800			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000			
Foul Sewage per hectare (l/s)		0.000							
Number of Input Hydrographs		0		Number of Storage Structures		4			
Number of Online Controls		3		Number of Time/Area Diagrams		0			
Number of Offline Controls		0		Number of Real Time Controls		0			
<u>Synthetic Rainfall Details</u>									
Rainfall Model		FSR		Ratio R		0.360			
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						OFF			
Profile(s)						Summer and Winter			
Duration(s) (mins)		15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440							
Return Period(s) (years)		1, 30, 100							
Climate Change (%)		0, 0, 40							

