

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
5	537057.281	240690.741	91.707	1.425	1200				
6	537035.703	240672.100	91.111	1.500	1200		0 2.000	90.282	225
							1 2.000	89.686	225
7	537023.486	240660.378	91.441	2.050	1350		0 2.001	89.611	300
							1 2.001	89.541	300
							2 1.003	89.541	300
8	537002.982	240649.119	91.502	2.169	1350		0 1.004	89.391	450
							1 1.004	89.333	450
9	536982.438	240638.264	90.500	1.650	1350		0 1.005	89.333	450
							1 1.005	88.850	450
10	536951.539	240629.995	88.467	1.650	1350		0 1.006	88.850	450
							1 1.006	86.817	450
11	536913.972	240627.506	86.101	1.650	1350		0 1.007	86.817	450
							1 1.007	84.451	450
12	536882.965	240634.212	84.094	1.650	1350		0 1.008	84.451	450
							1 1.008	82.444	450
13	536856.747	240648.825	83.018	1.725	1500		0 1.009	82.444	450
							1 1.009	81.368	450
14	536847.080	240658.529	82.782	1.725	1500		0 1.010	81.293	525
							1 1.010	81.057	525
15	536867.719	240679.583	81.484	1.725	1500		0 1.011	81.057	525
							1 1.011	79.759	525
16	536878.216	240694.585	80.656	1.725	1500		0 1.012	79.759	525
							1 1.012	78.931	525
17	536961.892	240695.342	81.535	1.851	1200		0 1.013	78.931	525
							0 3.000	79.684	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
18	536943.462	240690.569	81.136	1.640	1200	1 	3.000	79.571	225
19	536922.689	240691.947	80.787	1.500	1200	0 	3.001	79.496	300
						1 	3.001	79.287	300
20	536884.846	240707.631	80.015	1.725	1500	0 	3.002	79.287	300
						1 	3.002	78.515	300
						2 	1.013	78.290	525
21	536892.028	240736.530	78.680	1.725	1500	0 	1.014	78.290	525
						1 	1.014	76.955	525
22	536895.017	240748.417	78.127	1.725	1500	0 	1.015	76.955	525
						1 	1.015	76.402	525
23	536893.893	240768.797	75.000	0.600		0 	1.016	76.402	525
						1 	1.016	74.400	525
24	537118.929	240744.369	96.104	1.425	1200	0 	1.017	74.400	525
25	537122.640	240734.510	96.749	2.133	1200	0 	4.000	94.679	225
						1 	4.000	94.616	225
26	537105.286	240725.944	95.468	1.425	1200	0 	4.001	94.616	225
						1 	4.001	94.043	225
27	537079.548	240707.764	93.265	1.848	1200	0 	4.002	94.043	225
						1 	4.002	91.417	225
28	537066.487	240725.670	91.718	2.223	1200	0 	4.003	91.417	225
						1 	4.003	89.570	225
29	537062.762	240740.306	90.636	2.400	1200	0 	4.004	89.495	300
						1 	4.004	88.236	300
30	537064.730	240754.143	89.627	2.556	1200	0 	4.005	88.236	300
						1 	4.005	87.071	300
						0 	4.006	87.071	300

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
31	537075.147	240787.553	87.167	3.012	1200	1 	4.006	84.155	300
32	537074.616	240797.492	86.497	3.171	1200	0 	4.007	84.155	300
33	537071.972	240803.949	86.094	3.424	1350	0 	4.008	83.326	300
34	537061.469	240804.180	85.452	3.657	1350	1 	4.009	81.795	375
35	537039.837	240801.986	82.003	1.575	1350	0 	4.010	81.795	375
36	536993.526	240713.997	83.000	1.425	1200	0 	4.011	80.428	375
37	537008.657	240736.320	83.449	2.108	1200	0 	5.000	81.575	225
38	537011.861	240758.511	82.159	1.500	1200	0 	5.001	81.341	300
39	537007.510	240798.078	79.800	2.275	1350	1 	5.002	80.659	300
40	536974.292	240794.518	77.190	1.892	1350	0 	5.002	80.659	300
41	536950.335	240793.896	77.650	2.411	1350	2 	5.002	77.675	300
42	536942.176	240785.576	77.300	2.165	1500	0 	4.011	77.600	375
43	536920.228	240785.296	75.000	0.600		0 	4.012	77.525	450
						1 	4.012	75.298	450
						0 	4.013	75.298	450
						1 	4.013	75.239	450
						0 	4.014	75.239	450
						1 	4.014	75.210	450
						0 	4.015	75.135	525
						1 	4.015	74.400	525
						0 	4.016	74.400	525

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
44	536807.184	240632.358	84.350	1.300	1200				
45	536812.102	240648.747	83.431	1.425	1200		0 6.000	83.050	225
46	536823.232	240661.835	82.881	1.425	1200		1 6.001	82.006	225
47	536834.242	240672.920	82.497	1.500	1200		0 6.002	81.456	225
48	536824.000	240691.335	81.941	1.787	1200		1 6.003	81.072	225
49	536816.705	240716.655	80.717	2.759	1200		0 6.004	80.997	300
50	536815.468	240738.388	79.621	3.477	1200		1 6.005	80.154	300
51	536816.649	240806.310	76.270	1.552	1350		0 6.006	77.958	300
52	536815.377	240769.842	78.046	3.418	1350		1 7.000	76.144	450
54	536815.551	240756.973	78.687	4.166	1500		0 7.001	74.628	450
55	536836.950	240757.212	78.392	3.915	1500		1 7.001	74.521	525
56	536869.118	240768.713	76.185	1.778	1500		2 6.006	74.477	525
57	536869.189	240771.724	75.000	0.600			0 6.007	74.407	525

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
BASIN 1	536889.803	240791.374	75.000	2.400			1 6.010 2 4.016 3 1.017 0 1.018	72.600 72.600 72.600 72.600	525 525 525 525
58_OUT	536890.995	240797.263	75.000	2.400	1500		1 1.018	72.600	525
59	536731.467	240523.032	96.755	1.300	1200				
60	536732.945	240531.918	96.330	1.425	1200		0 8.000 1 8.000	95.455 94.905	225 225
61	536725.248	240568.563	94.708	1.425	1200		0 8.001 1 8.001	94.905 93.283	225 225
62	536720.487	240592.618	93.671	1.425	1200		0 8.002 1 8.002	93.283 92.246	225 225
63	536724.314	240614.426	92.460	1.425	1200		0 8.003 1 8.003	92.246 91.035	225 225
64	536722.142	240633.522	91.196	1.425	1200		0 8.004 1 8.004	91.035 89.771	225 225
65	536717.925	240646.049	90.301	1.425	1200		0 8.005 1 8.005	89.771 88.876	225 225
66	536710.767	240694.930	86.985	1.500	1200		0 8.006 1 8.006	88.876 85.560	225 225
67	536709.830	240706.531	86.141	1.500	1200		0 8.007 1 8.007	85.485 84.641	300 300
68	536710.726	240719.456	85.228	1.500	1200		0 8.008 1 8.008	84.641 83.728	300 300
69	536701.661	240755.492	83.200	1.500	1200		0 8.009 1 8.009	83.728 81.700	300 300
							0 8.010	81.700	300

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
70	536697.408	240781.679	81.800	2.250	1200	1 	8.010	79.550	300
71	536697.729	240798.448	79.300	1.150	1200	0 	8.011	79.550	300
72	536736.010	240728.539	83.865	1.965	1200	1 	8.011	78.150	300
73	536736.010	240728.539	83.865	1.965	1200	0 	8.012	78.150	300
74	536754.343	240734.613	82.851	2.373	1350	0 	9.000	81.900	225
75	536752.649	240752.818	82.042	2.202	1350	0 	10.000	80.537	375
76	536751.667	240787.860	80.348	3.348	1350	1 	9.001	79.840	375
77	536751.762	240797.787	79.300	2.450	1350	0 	9.002	79.840	375
77_OUT	536797.529	240798.177	79.300	2.550	1350	1 	9.002	77.000	375
78	536743.950	240444.907	100.505	1.505	1200	0 	9.003	76.925	300
79	536767.613	240450.203	100.228	2.440	1200	1 	8.012	76.925	300
80	536796.534	240461.996	98.785	2.559	1200	0 	11.001	97.788	100
81	536827.219	240472.259	97.708	2.686	1200	1 	11.001	96.226	100
						0 	11.002	96.226	100
						1 	11.002	95.147	100
						0 	11.003	95.022	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
82	536816.277	240506.210	94.350	2.376	1200	1 	11.003	92.049	225
83	536814.108	240519.131	93.075	2.193	1200	0 	11.004	91.974	300
84	536803.785	240533.102	92.280	1.425	1200	1 	11.004	90.882	300
85	536814.586	240533.702	91.652	1.575	1350	0 	12.000	90.855	225
86	536816.407	240543.734	90.663	1.436	1350	1 	11.006	89.227	375
87	536819.762	240554.652	89.517	1.242	1350	2 	11.007	88.275	375
88	536980.283	240574.364	94.907	1.425	1200	0 	11.008	88.275	375
89	536928.033	240559.094	93.572	1.500	1200	0 	13.000	93.482	225
90	536868.400	240554.463	91.759	1.500	1200	1 	13.000	92.147	225
91	536839.829	240554.331	90.041	1.725	1500	0 	13.001	92.072	300
92	536825.207	240562.491	88.983	1.653	1500	1 	13.001	90.259	300
93	536816.410	240570.701	88.243	1.725	1500	0 	13.002	90.259	300
94	536808.983	240584.232	87.297	1.725	1500	1 	13.002	88.541	300
95	536816.410	240570.701	88.243	1.725	1500	0 	13.003	88.316	525
96	536825.207	240562.491	88.983	1.653	1500	1 	13.003	87.330	525
97	536816.410	240570.701	88.243	1.725	1500	2 	11.008	87.480	375
98	536816.410	240570.701	88.243	1.725	1500	0 	11.009	87.330	525
99	536816.410	240570.701	88.243	1.725	1500	1 	11.009	86.518	525
100	536808.983	240584.232	87.297	1.725	1500	0 	11.010	86.518	525
101	536808.983	240584.232	87.297	1.725	1500	1 	11.010	85.572	525
102	536816.410	240570.701	88.243	1.725	1500	0 	11.011	85.572	525

	Ingent Consulting Engineers 1a Greenwood Court Bury St Edmunds IP327GY	File: Royston Strategy Phase 1 RM Rev B Combined.pfd Network: SW Kieran Kincaid 04/03/2025	Page 20 Royston SW Network Rev B																													
			<u>Node 98_OUT Online Weir Control</u>																													
			<u>Node 58_OUT Online Weir Control</u>																													
Flap Valve			x	Replaces Downstream Link	✓	Invert Level (m)	83.395	Width (m)	83.400	Discharge Coefficient	0.590																					
Flap Valve			x	Replaces Downstream Link	✓	Invert Level (m)	74.995	Width (m)	1.000	Discharge Coefficient	0.590																					
<u>Node 98_OUT Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.00000	Side Inf Coefficient (m/hr)	0.00000	Safety Factor	5.0	Porosity	1.00	Invert Level (m)	82.400	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>601.0</td><td>601.0</td><td>0.800</td><td>805.1</td><td>805.1</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	601.0	601.0	0.800	805.1	805.1						
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	601.0	601.0	0.800	805.1	805.1																											
<u>Node 98_OUT Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.43200	Side Inf Coefficient (m/hr)	0.43200	Safety Factor	5.0	Porosity	0.95	Invert Level (m)	81.400	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>473.0</td><td>473.0</td><td>0.800</td><td>473.0</td><td>473.0</td></tr><tr><td></td><td></td><td></td><td>0.801</td><td>0.0</td><td>473.0</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	473.0	473.0	0.800	473.0	473.0				0.801	0.0	473.0
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	473.0	473.0	0.800	473.0	473.0																											
			0.801	0.0	473.0																											
<u>Node 77 Soakaway Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.27360	Safety Factor	5.0	Invert Level (m)	76.850	Pit Width (m)	5.000	Depth (m)	1.200	Number Required																					
Side Inf Coefficient (m/hr)		0.27360	Porosity	0.95	Time to half empty (mins)		Pit Length (m)	92.500	Inf Depth (m)																							
<u>Node BASIN 1 Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		1.11600	Side Inf Coefficient (m/hr)	1.11600	Safety Factor	5.0	Porosity	0.95	Invert Level (m)	72.600	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>1137.0</td><td>1137.0</td><td>0.800</td><td>1137.0</td><td>1137.0</td></tr><tr><td></td><td></td><td></td><td>0.801</td><td>0.0</td><td>1137.0</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	1137.0	1137.0	0.800	1137.0	1137.0				0.801	0.0	1137.0
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	1137.0	1137.0	0.800	1137.0	1137.0																											
			0.801	0.0	1137.0																											
<u>Node BASIN 1 Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.00000	Side Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Porosity	1.00	Invert Level (m)	74.400	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>1179.0</td><td>0.0</td><td>0.600</td><td>1460.0</td><td>0.0</td></tr><tr><td></td><td></td><td></td><td>0.601</td><td>0.0</td><td>0.0</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	1179.0	0.0	0.600	1460.0	0.0				0.601	0.0	0.0
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	1179.0	0.0	0.600	1460.0	0.0																											
			0.601	0.0	0.0																											
<u>Node BASIN 3 Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.54000	Side Inf Coefficient (m/hr)	0.54000	Safety Factor	3.0	Porosity	1.00	Invert Level (m)	95.100	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>26.0</td><td>26.0</td><td>0.600</td><td>162.0</td><td>162.0</td></tr><tr><td></td><td></td><td></td><td>0.601</td><td>0.0</td><td>162.0</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	26.0	26.0	0.600	162.0	162.0				0.601	0.0	162.0
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	26.0	26.0	0.600	162.0	162.0																											
			0.601	0.0	162.0																											
<u>Node BASIN 4 Depth/Area Storage Structure</u>																																
Base Inf Coefficient (m/hr)		0.03564	Side Inf Coefficient (m/hr)	0.03564	Safety Factor	3.0	Porosity	1.00	Invert Level (m)	96.400	Time to half empty (mins)																					
		<table><tr><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td><td>Depth (m)</td><td>Area (m²)</td><td>Inf Area (m²)</td></tr><tr><td>0.000</td><td>26.0</td><td>26.0</td><td>0.600</td><td>162.0</td><td>162.0</td></tr><tr><td></td><td></td><td></td><td>0.601</td><td>0.0</td><td>162.0</td></tr></table>													Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	0.000	26.0	26.0	0.600	162.0	162.0				0.601	0.0	162.0
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)																											
0.000	26.0	26.0	0.600	162.0	162.0																											
			0.601	0.0	162.0																											

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INGENT CONSULTING ENGINEERS Ingent Consulting Engineers 1a Greenwood Court Bury St Edmunds IP327GY	File: Royston Strategy Phase 1 RM Rev B Combined.pfd Network: SW Kieran Kincaid 04/03/2025	Page 21 Royston SW Network Rev B

Other (defaults)

Entry Loss (manhole)

0.250

Exit Loss (manhole)

0.250

Entry Loss (junction)

0.000

Exit Loss (junction)

0.000

Apply Recommended Losses

x

Flood Risk (m)

0.300

Results for 2 year Critical Storm Duration.. Lowest mass balance: 96.42%

Node Event		US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	97.868	0.032	5.6	0.0360	0.0000	OK	
15 minute summer	2	10	93.994	0.058	17.4	0.0660	0.0000	OK	
15 minute summer	3	11	92.728	0.055	17.1	0.0617	0.0000	OK	
15 minute summer	4	11	90.628	0.059	22.9	0.0671	0.0000	OK	
15 minute summer	5	10	90.342	0.060	11.3	0.0675	0.0000	OK	
15 minute summer	6	10	89.729	0.118	21.4	0.1337	0.0000	OK	
15 minute summer	7	11	89.557	0.166	50.5	0.2381	0.0000	OK	
15 minute summer	8	11	89.446	0.113	55.8	0.1610	0.0000	OK	
15 minute summer	9	11	88.940	0.090	69.9	0.1282	0.0000	OK	
15 minute summer	10	11	86.913	0.096	79.6	0.1373	0.0000	OK	
15 minute summer	11	11	84.551	0.100	90.9	0.1431	0.0000	OK	
15 minute summer	12	11	82.574	0.130	102.0	0.1857	0.0000	OK	
15 minute summer	13	11	81.458	0.165	107.4	0.2909	0.0000	OK	
15 minute summer	14	11	81.177	0.120	111.0	0.2118	0.0000	OK	
15 minute summer	15	11	79.883	0.124	114.5	0.2198	0.0000	OK	
15 minute summer	16	11	79.060	0.129	117.9	0.2278	0.0000	OK	
15 minute summer	17	10	79.761	0.077	9.5	0.0866	0.0000	OK	
15 minute summer	18	10	79.579	0.083	17.8	0.0939	0.0000	OK	
15 minute summer	19	11	79.379	0.092	30.5	0.1040	0.0000	OK	
15 minute summer	20	11	78.431	0.141	157.0	0.2483	0.0000	OK	
15 minute summer	21	11	77.120	0.165	164.9	0.2924	0.0000	OK	
15 minute summer	22	11	76.526	0.124	189.7	0.2195	0.0000	OK	
15 minute summer	23	11	74.550	0.150	189.4	0.0000	0.0000	OK	
15 minute summer	24	10	94.745	0.066	7.0	0.0748	0.0000	OK	
15 minute summer	25	10	94.673	0.057	12.0	0.0646	0.0000	OK	

Link Event		US Node	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	5.5	0.979	0.043	0.3780	
15 minute summer	2	1.001	3	17.1	2.151	0.139	0.1701	
15 minute summer	3	1.002	4	17.1	1.846	0.073	0.4419	
15 minute summer	4	1.003	7	23.0	2.407	0.079	0.1459	
15 minute summer	5	2.000	6	11.1	1.347	0.148	0.2357	
15 minute summer	6	2.001	7	21.1	0.860	0.297	0.4175	
15 minute summer	7	1.004	8	50.9	1.218	0.318	0.9845	
15 minute summer	8	1.005	9	56.0	2.111	0.120	0.6189	
15 minute summer	9	1.006	10	70.1	2.982	0.086	0.7519	
15 minute summer	10	1.007	11	79.8	3.139	0.098	0.9570	
15 minute summer	11	1.008	12	90.9	2.854	0.111	1.0144	
15 minute summer	12	1.009	13	102.0	2.812	0.166	1.0892	
15 minute summer	13	1.010	14	107.4	2.277	0.169	0.6497	
15 minute summer	14	1.011	15	110.9	2.917	0.109	1.1212	
15 minute summer	15	1.012	16	114.3	2.855	0.111	0.7333	
15 minute summer	16	1.013	20	117.6	2.701	0.116	0.6397	
15 minute summer	17	3.000	18	9.3	0.807	0.233	0.2199	
15 minute summer	18	3.001	19	17.7	1.038	0.159	0.3545	
15 minute summer	19	3.002	20	30.1	1.677	0.197	0.7353	
15 minute summer	20	1.014	21	156.8	3.001	0.152	1.5576	
15 minute summer	21	1.015	22	164.4	3.398	0.159	0.5957	
15 minute summer	22	1.016	23	189.4	4.256	0.124	0.9163	
15 minute summer	23	1.017	BASIN 1	189.6	7.184	0.139	0.6938	
15 minute summer	24	4.000	25	6.9	0.787	0.173	0.0928	
15 minute summer	25	4.001	26	11.9	1.548	0.133	0.1491	

Results for 2 year Critical Storm Duration.. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	26	10	94.098	0.055	20.0	0.0622	0.0000	OK
15 minute summer	27	10	91.485	0.068	28.2	0.0767	0.0000	OK
15 minute summer	28	10	89.560	0.065	30.6	0.0732	0.0000	OK
15 minute summer	29	10	88.300	0.064	30.5	0.0729	0.0000	OK
15 minute summer	30	11	87.137	0.066	34.7	0.0747	0.0000	OK
15 minute summer	31	11	84.229	0.074	38.0	0.0832	0.0000	OK
15 minute summer	32	11	83.404	0.078	38.2	0.0881	0.0000	OK
15 minute summer	33	11	82.742	0.072	42.6	0.1032	0.0000	OK
15 minute summer	34	11	81.871	0.076	42.6	0.1088	0.0000	OK
15 minute summer	35	11	80.502	0.074	48.6	0.1060	0.0000	OK
15 minute summer	36	10	81.644	0.069	8.0	0.0779	0.0000	OK
15 minute summer	37	10	81.405	0.064	18.6	0.0726	0.0000	OK
15 minute summer	38	10	80.722	0.063	28.8	0.0708	0.0000	OK
15 minute summer	39	11	77.619	0.094	82.0	0.1342	0.0000	OK
15 minute summer	40	11	75.558	0.260	89.7	0.3715	0.0000	OK
15 minute summer	41	11	75.483	0.244	89.1	0.3489	0.0000	OK
15 minute summer	42	12	75.249	0.114	88.0	0.2014	0.0000	OK
15 minute summer	43	11	74.507	0.107	88.0	0.0000	0.0000	OK
15 minute summer	44	10	83.082	0.032	5.6	0.0360	0.0000	OK
15 minute summer	45	10	82.062	0.056	12.9	0.0634	0.0000	OK
15 minute summer	46	10	81.528	0.072	16.6	0.0811	0.0000	OK
15 minute summer	47	10	81.059	0.062	20.2	0.0703	0.0000	OK
15 minute summer	48	10	80.217	0.063	30.7	0.0713	0.0000	OK
15 minute summer	49	10	78.024	0.066	34.3	0.0746	0.0000	OK
15 minute summer	50	11	76.220	0.076	39.6	0.0857	0.0000	OK

Link Event (Upstream Depth)	US Node	Link DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	26	4.002 27	19.9	2.272	0.132	0.2767	
15 minute summer	27	4.003 28	27.9	2.850	0.185	0.2172	
15 minute summer	28	4.004 29	30.5	2.749	0.095	0.1678	
15 minute summer	29	4.005 30	30.4	2.703	0.094	0.1574	
15 minute summer	30	4.006 31	34.7	2.796	0.108	0.4345	
15 minute summer	31	4.007 32	38.2	2.739	0.118	0.1387	
15 minute summer	32	4.008 33	38.3	2.860	0.119	0.0934	
15 minute summer	33	4.009 34	42.6	2.775	0.073	0.1615	
15 minute summer	34	4.010 35	42.7	2.728	0.085	0.3405	
15 minute summer	35	4.011 39	48.7	3.236	0.082	0.4902	
15 minute summer	36	5.000 37	7.8	0.774	0.195	0.2713	
15 minute summer	37	5.001 38	18.5	1.710	0.095	0.2429	
15 minute summer	38	5.002 39	28.4	2.710	0.093	0.4173	
15 minute summer	39	4.012 40	82.1	1.449	0.098	1.9809	
15 minute summer	40	4.013 41	89.1	0.977	0.559	2.1853	
15 minute summer	41	4.014 42	88.0	1.116	0.549	0.9219	
15 minute summer	42	4.015 43	88.0	2.709	0.099	0.7251	
15 minute summer	43	4.016 BASIN 1	89.2	4.714	0.076	0.6861	
15 minute summer	44	6.000 45	5.6	1.025	0.043	0.0951	
15 minute summer	45	6.001 46	12.8	1.382	0.137	0.1596	
15 minute summer	46	6.002 47	16.4	1.565	0.201	0.1639	
15 minute summer	47	6.003 48	20.1	1.895	0.090	0.2241	
15 minute summer	48	6.004 49	30.5	2.752	0.095	0.2924	
15 minute summer	49	6.005 50	34.1	2.689	0.106	0.2765	
15 minute summer	50	6.006 54	39.4	2.923	0.129	0.2506	

Results for 2 year Critical Storm Duration.. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	51	11	74.764	0.046	3.8	0.0664	0.0000	OK
15 minute summer	52	11	74.712	0.084	7.4	0.1207	0.0000	OK
15 minute summer	54	11	74.707	0.186	52.6	0.3290	0.0000	OK
15 minute summer	55	11	74.656	0.179	52.4	0.3164	0.0000	OK
15 minute summer	56	12	74.572	0.165	51.6	0.2910	0.0000	OK
15 minute summer	57	11	74.477	0.077	51.8	0.0000	0.0000	OK
120 minute summer	BASIN 1	78	72.710	0.110	171.7	119.2315	0.0000	OK
120 minute summer	58_OUT	78	72.710	0.110	0.3	0.1951	0.0000	OK
15 minute summer	59	10	95.493	0.038	7.6	0.0429	0.0000	OK
15 minute summer	60	10	94.945	0.040	7.6	0.0452	0.0000	OK
15 minute summer	61	10	93.336	0.053	12.8	0.0600	0.0000	OK
15 minute summer	62	10	92.300	0.054	15.0	0.0606	0.0000	OK
15 minute summer	63	11	91.092	0.057	17.6	0.0640	0.0000	OK
15 minute summer	64	11	89.827	0.056	17.7	0.0637	0.0000	OK
15 minute summer	65	11	88.936	0.060	20.4	0.0676	0.0000	OK
15 minute summer	66	11	85.546	0.061	25.4	0.0689	0.0000	OK
15 minute summer	67	11	84.706	0.065	29.0	0.0732	0.0000	OK
15 minute summer	68	11	83.801	0.073	32.6	0.0831	0.0000	OK
15 minute summer	69	11	81.769	0.069	34.8	0.0779	0.0000	OK
15 minute summer	70	11	79.616	0.066	34.9	0.0748	0.0000	OK
15 minute summer	71	11	78.243	0.093	34.8	0.1055	0.0000	OK
15 minute summer	72	10	81.942	0.042	9.8	0.0474	0.0000	OK
15 minute summer	73	10	80.610	0.073	9.1	0.1044	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap Vol (m³)	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	51	7.000	52	3.7	0.316	0.023	0.5307	
15 minute summer	52	7.001	54	7.5	0.445	0.047	0.3277	
15 minute summer	54	6.007	55	52.4	0.785	0.240	1.4277	
15 minute summer	55	6.008	56	51.6	0.844	0.237	2.0914	
15 minute summer	56	6.009	57	51.8	1.392	0.223	0.1161	
15 minute summer	57	6.010	BASIN 1	52.2	3.784	0.043	0.5098	
120 minute summer	BASIN 1	1.018	58_OUT	0.3	0.059	0.001	0.1979	
120 minute summer	BASIN 1	Infiltration		70.5				0.0
120 minute summer	58_OUT	Weir		0.0				
15 minute summer	59	8.000	60	7.6	1.656	0.059	0.0412	
15 minute summer	60	8.001	61	7.5	1.271	0.069	0.2222	
15 minute summer	61	8.002	62	12.7	1.766	0.118	0.1759	
15 minute summer	62	8.003	63	14.9	1.984	0.122	0.1664	
15 minute summer	63	8.004	64	17.7	2.272	0.132	0.1495	
15 minute summer	64	8.005	65	17.7	2.191	0.130	0.1070	
15 minute summer	65	8.006	66	20.5	2.452	0.151	0.4124	
15 minute summer	66	8.007	67	25.4	2.377	0.084	0.1243	
15 minute summer	67	8.008	68	29.0	2.370	0.098	0.1587	
15 minute summer	68	8.009	69	32.6	2.557	0.125	0.4745	
15 minute summer	69	8.010	70	34.9	2.944	0.110	0.3141	
15 minute summer	70	8.011	71	34.8	2.344	0.108	0.2528	
15 minute summer	71	8.012	77	34.2	1.867	0.204	0.9907	
15 minute summer	72	9.000	74	9.7	1.945	0.072	0.0965	
15 minute summer	73	10.000	74	9.0	0.542	0.081	0.3143	

Results for 2 year Critical Storm Duration.. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	74	10	80.562	0.084	35.3	0.1197	0.0000	OK
15 minute summer	75	10	79.903	0.063	36.6	0.0908	0.0000	OK
15 minute summer	76	11	77.148	0.148	47.7	0.2112	0.0000	OK
240 minute summer	77	164	76.975	0.125	28.9	55.2396	0.0000	OK
240 minute summer	77_OUT	160	76.976	0.226	0.6	0.3237	0.0000	OK
15 minute summer	78	1	99.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	79	1	97.788	0.000	0.0	0.0000	0.0000	OK
15 minute summer	80	1	96.226	0.000	0.0	0.0000	0.0000	OK
15 minute summer	81	10	95.077	0.055	19.4	0.0623	0.0000	OK
15 minute summer	82	10	92.028	0.054	23.0	0.0610	0.0000	OK
15 minute summer	83	10	90.956	0.074	30.0	0.0834	0.0000	OK
15 minute summer	84	10	90.910	0.055	14.8	0.0619	0.0000	OK
15 minute summer	85	10	90.158	0.081	52.1	0.1159	0.0000	OK
15 minute summer	86	10	89.309	0.082	55.8	0.1170	0.0000	OK
15 minute summer	87	10	88.367	0.092	63.2	0.1319	0.0000	OK
15 minute summer	88	10	93.541	0.059	12.6	0.0672	0.0000	OK
15 minute summer	89	11	92.143	0.071	24.3	0.0800	0.0000	OK
15 minute summer	90	11	90.338	0.079	39.4	0.0890	0.0000	OK
15 minute summer	91	11	88.389	0.073	51.0	0.1295	0.0000	OK
15 minute summer	92	10	87.448	0.118	119.8	0.2087	0.0000	OK
15 minute summer	93	10	86.641	0.123	123.1	0.2166	0.0000	OK
15 minute summer	94	11	85.686	0.114	126.7	0.2021	0.0000	OK
15 minute summer	95	11	84.841	0.135	141.3	0.2378	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	74	9.001	75	35.1	2.305	0.093	0.2795	
15 minute summer	75	9.002	76	36.3	1.435	0.063	0.9189	
15 minute summer	76	9.003	77	47.4	1.269	0.273	0.3713	
240 minute summer	77	8.013	77_OUT	0.6	0.120	0.007	2.3255	
240 minute summer	77 Infiltration			7.4				0.0
240 minute summer	77_OUT Weir			0.0				
15 minute summer	78	11.000	79	0.0	0.000	0.000	0.0000	
15 minute summer	79	11.001	80	0.0	0.000	0.000	0.0000	
15 minute summer	80	11.002	81	0.0	0.000	0.000	0.0000	
15 minute summer	81	11.003	82	19.2	2.593	0.127	0.2645	
15 minute summer	82	11.004	83	23.0	2.102	0.071	0.1441	
15 minute summer	83	11.005	85	29.7	2.312	0.119	0.1877	
15 minute summer	84	12.000	85	14.7	2.056	0.117	0.0775	
15 minute summer	85	11.006	86	52.0	2.958	0.090	0.1792	
15 minute summer	86	11.007	87	55.6	2.877	0.096	0.2209	
15 minute summer	87	11.008	92	62.9	3.238	0.108	0.1856	
15 minute summer	88	13.000	89	12.2	1.480	0.150	0.4506	
15 minute summer	89	13.001	90	24.0	1.760	0.124	0.8178	
15 minute summer	90	13.002	91	39.0	2.721	0.143	0.4101	
15 minute summer	91	13.003	92	51.0	1.909	0.043	0.4556	
15 minute summer	92	11.009	93	119.3	3.208	0.094	0.4482	
15 minute summer	93	11.010	94	123.1	3.380	0.102	0.5621	
15 minute summer	94	11.011	95	127.0	3.250	0.090	0.4065	
15 minute summer	95	11.012	96	142.0	3.430	0.128	0.9956	

Results for 2 year Critical Storm Duration.. Lowest mass balance: 96.42%

Node Event		US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	96	11	83.535	0.148	145.6	0.2618	0.0000	0.0000	OK
	97	11	82.772	0.251	154.3	0.4438	0.0000	0.0000	OK
	BASIN 2	11	82.729	0.329	154.5	0.5815	0.0000	0.0000	OK
	98_OUT	168	81.642	-0.758	54.0	108.5677	0.0000	0.0000	OK
120 minute summer	BASIN 3	76	95.183	0.083	3.8	2.9442	0.0000	0.0000	OK
	BASIN 4	240	96.448	0.048	2.3	7.9522	0.0000	0.0000	OK
	BASIN 5	248	95.955	0.055	2.5	8.8146	0.0000	0.0000	OK
Link Event		US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	96	11.013	97	146.1	1.805	0.139	3.0960		
	97	11.014	BASIN 2	154.5	1.145	0.221	1.5776		
	BASIN 2	11.015	98_OUT	153.9	1.138	0.544	1.9764		
	98_OUT	Weir	0.0	0.0					0.0
240 minute summer	98_OUT	Infiltration	11.4						
120 minute summer	BASIN 3	Infiltration	1.7						
360 minute summer	BASIN 4	Infiltration	0.5						
360 minute summer	BASIN 5	Infiltration	0.5						

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	97.891	0.055	16.9	0.0620	0.0000	OK
15 minute summer	2	10	94.044	0.108	52.5	0.1221	0.0000	OK
15 minute summer	3	10	92.770	0.097	51.8	0.1093	0.0000	OK
15 minute summer	4	10	90.668	0.099	69.3	0.1119	0.0000	OK
15 minute summer	5	10	90.387	0.105	33.8	0.1183	0.0000	OK
15 minute summer	6	10	89.845	0.234	64.4	0.2649	0.0000	OK
15 minute summer	7	10	89.694	0.303	152.5	0.4339	0.0000	OK
15 minute summer	8	11	89.540	0.207	166.9	0.2968	0.0000	OK
15 minute summer	9	11	89.011	0.161	209.5	0.2301	0.0000	OK
15 minute summer	10	11	86.990	0.173	238.8	0.2477	0.0000	OK
15 minute summer	11	11	84.631	0.180	272.8	0.2583	0.0000	OK
15 minute summer	12	11	82.689	0.245	306.8	0.3505	0.0000	OK
15 minute summer	13	11	81.611	0.318	323.4	0.5618	0.0000	OK
15 minute summer	14	11	81.278	0.221	334.8	0.3899	0.0000	OK
15 minute summer	15	11	79.995	0.236	346.2	0.4167	0.0000	OK
15 minute summer	16	11	79.183	0.252	358.1	0.4457	0.0000	OK
15 minute summer	17	10	79.832	0.148	28.3	0.1672	0.0000	OK
15 minute summer	18	10	79.654	0.158	53.3	0.1788	0.0000	OK
15 minute summer	19	10	79.461	0.174	91.2	0.1967	0.0000	OK
15 minute summer	20	11	78.559	0.269	476.9	0.4746	0.0000	OK
15 minute summer	21	11	77.292	0.337	502.8	0.5951	0.0000	OK
15 minute summer	22	11	76.638	0.236	578.7	0.4166	0.0000	OK
15 minute summer	23	10	74.654	0.254	578.4	0.0000	0.0000	OK
15 minute summer	24	10	94.801	0.122	20.9	0.1383	0.0000	OK
15 minute summer	25	10	94.721	0.105	36.2	0.1190	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	16.7	1.293	0.131	0.8590	
15 minute summer	2	1.001	3	51.8	2.868	0.420	0.3856	
15 minute summer	3	1.002	4	51.4	2.589	0.219	0.9478	
15 minute summer	4	1.003	7	68.9	2.833	0.238	0.4311	
15 minute summer	5	2.000	6	33.6	1.489	0.446	0.6857	
15 minute summer	6	2.001	7	63.2	1.173	0.888	0.9123	
15 minute summer	7	1.004	8	152.2	1.646	0.951	2.1588	
15 minute summer	8	1.005	9	167.9	2.753	0.359	1.4192	
15 minute summer	9	1.006	10	210.3	3.933	0.257	1.7108	
15 minute summer	10	1.007	11	239.6	4.149	0.295	2.1750	
15 minute summer	11	1.008	12	273.6	3.711	0.335	2.3405	
15 minute summer	12	1.009	13	307.3	3.504	0.501	2.6329	
15 minute summer	13	1.010	14	323.9	2.906	0.508	1.5260	
15 minute summer	14	1.011	15	335.3	3.725	0.329	2.6542	
15 minute summer	15	1.012	16	347.2	3.535	0.336	1.7990	
15 minute summer	16	1.013	20	359.0	3.372	0.353	1.5631	
15 minute summer	17	3.000	18	27.9	1.056	0.698	0.5037	
15 minute summer	18	3.001	19	52.9	1.324	0.476	0.8326	
15 minute summer	19	3.002	20	89.9	2.210	0.588	1.6697	
15 minute summer	20	1.014	21	478.1	3.710	0.464	3.8325	
15 minute summer	21	1.015	22	502.8	4.178	0.487	1.4724	
15 minute summer	22	1.016	23	578.4	6.034	0.379	1.9863	
15 minute summer	23	1.017	BASIN 1	580.2	8.562	0.426	2.0642	
15 minute summer	24	4.000	25	20.8	1.032	0.518	0.2119	
15 minute summer	25	4.001	26	35.9	2.064	0.400	0.3370	

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	26	10	94.141	0.098	60.3	0.1110	0.0000	OK
15 minute summer	27	10	91.546	0.129	84.9	0.1461	0.0000	OK
15 minute summer	28	10	89.613	0.118	92.3	0.1335	0.0000	OK
15 minute summer	29	10	88.355	0.119	92.1	0.1345	0.0000	OK
15 minute summer	30	10	87.189	0.118	104.7	0.1332	0.0000	OK
15 minute summer	31	10	84.293	0.138	114.7	0.1565	0.0000	OK
15 minute summer	32	11	83.478	0.152	114.2	0.1721	0.0000	OK
15 minute summer	33	11	82.803	0.133	127.4	0.1906	0.0000	OK
15 minute summer	34	11	81.932	0.137	127.6	0.1963	0.0000	OK
15 minute summer	35	11	80.561	0.133	145.5	0.1899	0.0000	OK
15 minute summer	36	10	81.705	0.130	23.9	0.1467	0.0000	OK
15 minute summer	37	10	81.457	0.116	56.2	0.1316	0.0000	OK
15 minute summer	38	10	80.771	0.112	86.8	0.1271	0.0000	OK
15 minute summer	39	11	77.689	0.164	245.8	0.2353	0.0000	OK
15 minute summer	40	11	76.001	0.703	268.9	1.0063	0.0000	SURCHARGED
15 minute summer	41	11	75.758	0.519	270.5	0.7421	0.0000	SURCHARGED
15 minute summer	42	11	75.345	0.210	270.8	0.3718	0.0000	OK
15 minute summer	43	10	74.576	0.176	270.8	0.0000	0.0000	OK
15 minute summer	44	10	83.105	0.055	16.9	0.0619	0.0000	OK
15 minute summer	45	10	82.109	0.103	38.7	0.1161	0.0000	OK
15 minute summer	46	10	81.595	0.139	49.9	0.1572	0.0000	OK
15 minute summer	47	10	81.109	0.112	60.8	0.1269	0.0000	OK
15 minute summer	48	10	80.267	0.113	92.4	0.1280	0.0000	OK
15 minute summer	49	10	78.077	0.119	103.5	0.1351	0.0000	OK
15 minute summer	50	10	76.286	0.142	119.5	0.1607	0.0000	OK

Link Event	US Node	Link DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	26	4.002 27	60.0	2.988	0.398	0.6331	
15 minute summer	27	4.003 28	84.3	3.749	0.558	0.4982	
15 minute summer	28	4.004 29	92.1	3.563	0.286	0.3904	
15 minute summer	29	4.005 30	91.8	3.559	0.285	0.3606	
15 minute summer	30	4.006 31	104.3	3.637	0.323	1.0041	
15 minute summer	31	4.007 32	114.2	3.385	0.354	0.3360	
15 minute summer	32	4.008 33	114.6	3.646	0.356	0.2194	
15 minute summer	33	4.009 34	127.6	3.569	0.220	0.3756	
15 minute summer	34	4.010 35	128.0	3.590	0.254	0.7753	
15 minute summer	35	4.011 39	146.2	4.359	0.247	1.0921	
15 minute summer	36	5.000 37	23.4	1.026	0.589	0.6182	
15 minute summer	37	5.001 38	56.0	2.272	0.288	0.5527	
15 minute summer	38	5.002 39	86.0	3.669	0.281	0.9326	
15 minute summer	39	4.012 40	246.1	1.978	0.294	3.5216	
15 minute summer	40	4.013 41	270.5	1.707	1.697	3.7971	
15 minute summer	41	4.014 42	270.8	1.736	1.689	1.7252	
15 minute summer	42	4.015 43	270.8	3.830	0.304	1.5547	
15 minute summer	43	4.016 BASIN 1	273.3	5.493	0.233	2.5628	
15 minute summer	44	6.000 45	16.8	1.363	0.130	0.2145	
15 minute summer	45	6.001 46	38.5	1.773	0.412	0.3726	
15 minute summer	46	6.002 47	49.4	2.040	0.604	0.3785	
15 minute summer	47	6.003 48	60.6	2.512	0.272	0.5093	
15 minute summer	48	6.004 49	92.1	3.649	0.285	0.6649	
15 minute summer	49	6.005 50	103.1	3.514	0.320	0.6421	
15 minute summer	50	6.006 54	118.8	3.855	0.388	0.5871	

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	51	11	74.881	0.163	11.4	0.2334	0.0000	OK
15 minute summer	52	11	74.883	0.255	22.4	0.3656	0.0000	OK
15 minute summer	54	11	74.882	0.361	159.1	0.6380	0.0000	OK
15 minute summer	55	11	74.816	0.339	157.6	0.5986	0.0000	OK
15 minute winter	56	12	74.697	0.290	143.0	0.5118	0.0000	OK
15 minute summer	57	12	74.525	0.125	149.8	0.0000	0.0000	OK
120 minute summer	BASIN 1	92	73.052	0.452	441.7	488.2267	0.0000	OK
120 minute summer	58_OUT	92	73.052	0.452	1.1	0.7987	0.0000	OK
15 minute summer	59	10	95.523	0.068	22.9	0.0772	0.0000	OK
15 minute summer	60	10	94.974	0.069	22.8	0.0785	0.0000	OK
15 minute summer	61	10	93.379	0.096	38.6	0.1086	0.0000	OK
15 minute summer	62	10	92.344	0.098	45.2	0.1103	0.0000	OK
15 minute summer	63	10	91.139	0.104	53.4	0.1172	0.0000	OK
15 minute summer	64	10	89.875	0.104	53.1	0.1181	0.0000	OK
15 minute summer	65	11	88.985	0.109	61.4	0.1235	0.0000	OK
15 minute summer	66	11	85.596	0.111	76.4	0.1259	0.0000	OK
15 minute summer	67	11	84.761	0.120	87.4	0.1355	0.0000	OK
15 minute summer	68	11	83.862	0.134	98.5	0.1510	0.0000	OK
15 minute summer	69	11	81.826	0.126	105.4	0.1422	0.0000	OK
15 minute summer	70	11	79.668	0.118	105.6	0.1339	0.0000	OK
15 minute summer	71	11	78.329	0.179	105.7	0.2030	0.0000	OK
15 minute summer	72	10	81.974	0.074	29.3	0.0841	0.0000	OK
15 minute summer	73	10	80.673	0.136	27.3	0.1951	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	51	7.000	52	13.1	0.314	0.082	2.6395	
15 minute summer	52	7.001	54	29.0	0.448	0.181	1.2816	
15 minute summer	54	6.007	55	157.6	1.031	0.722	3.2705	
15 minute summer	55	6.008	56	154.4	1.180	0.708	4.5123	
15 minute winter	56	6.009	57	143.2	1.843	0.616	0.2392	
15 minute summer	57	6.010	BASIN 1	156.8	4.051	0.128	2.2771	
120 minute summer	BASIN 1	1.018	58_OUT	1.1	0.104	0.005	1.1883	
120 minute summer	BASIN 1	Infiltration		70.5				
120 minute summer	58_OUT	Weir		0.0				0.0
15 minute summer	59	8.000	60	22.8	2.224	0.177	0.0925	
15 minute summer	60	8.001	61	22.7	1.714	0.208	0.4968	
15 minute summer	61	8.002	62	38.2	2.343	0.356	0.4000	
15 minute summer	62	8.003	63	44.9	2.619	0.368	0.3799	
15 minute summer	63	8.004	64	53.1	2.964	0.396	0.3445	
15 minute summer	64	8.005	65	53.1	2.870	0.390	0.2450	
15 minute summer	65	8.006	66	61.7	3.295	0.456	0.9252	
15 minute summer	66	8.007	67	76.5	3.060	0.254	0.2911	
15 minute summer	67	8.008	68	87.6	3.099	0.295	0.3663	
15 minute summer	68	8.009	69	98.8	3.390	0.379	1.0828	
15 minute summer	69	8.010	70	105.6	3.926	0.332	0.7137	
15 minute summer	70	8.011	71	105.7	3.049	0.328	0.5852	
15 minute summer	71	8.012	77	105.5	2.474	0.629	2.3058	
15 minute summer	72	9.000	74	29.1	2.633	0.217	0.2138	
15 minute summer	73	10.000	74	27.0	0.691	0.243	0.7418	

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	74	10	80.632	0.154	105.9	0.2199	0.0000	OK
15 minute summer	75	10	79.950	0.110	109.8	0.1571	0.0000	OK
15 minute summer	76	10	77.297	0.297	143.7	0.4243	0.0000	OK
180 minute winter	77	176	77.226	0.376	55.8	165.7289	0.0000	SURCHARGED
180 minute winter	77_OUT	176	77.226	0.476	1.9	0.6807	0.0000	OK
15 minute summer	78	1	99.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	79	1	97.788	0.000	0.0	0.0000	0.0000	OK
15 minute summer	80	1	96.226	0.000	0.0	0.0000	0.0000	OK
15 minute summer	81	10	95.122	0.100	58.2	0.1129	0.0000	OK
15 minute summer	82	10	92.069	0.095	69.2	0.1076	0.0000	OK
15 minute summer	83	10	91.020	0.138	90.0	0.1561	0.0000	OK
15 minute summer	84	10	90.957	0.102	44.2	0.1149	0.0000	OK
15 minute summer	85	10	90.229	0.152	156.4	0.2174	0.0000	OK
15 minute summer	86	10	89.380	0.153	167.6	0.2185	0.0000	OK
15 minute summer	87	10	88.454	0.179	190.1	0.2560	0.0000	OK
15 minute summer	88	10	93.591	0.109	37.8	0.1230	0.0000	OK
15 minute summer	89	10	92.198	0.126	73.3	0.1431	0.0000	OK
15 minute summer	90	10	90.405	0.146	118.9	0.1654	0.0000	OK
15 minute summer	91	10	88.443	0.127	154.7	0.2239	0.0000	OK
15 minute summer	92	10	87.558	0.228	361.7	0.4027	0.0000	OK
15 minute summer	93	10	86.750	0.232	371.9	0.4103	0.0000	OK
15 minute summer	94	10	85.795	0.223	382.2	0.3939	0.0000	OK
15 minute summer	95	10	84.962	0.256	426.4	0.4529	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	74	9.001	75	105.3	3.053	0.281	0.6337	
15 minute summer	75	9.002	76	109.4	1.797	0.191	2.1089	
15 minute summer	76	9.003	77	141.8	1.646	0.816	0.8542	
180 minute winter	77	8.013	77_OUT	1.9	0.183	0.020	5.0465	
180 minute winter	77	Infiltration		8.1				
180 minute winter	77_OUT	Weir		0.0				0.0
15 minute summer	78	11.000	79	0.0	0.000	0.000	0.0000	
15 minute summer	79	11.001	80	0.0	0.000	0.000	0.0000	
15 minute summer	80	11.002	81	0.0	0.000	0.000	0.0000	
15 minute summer	81	11.003	82	57.8	3.488	0.383	0.5911	
15 minute summer	82	11.004	83	69.1	2.731	0.214	0.3328	
15 minute summer	83	11.005	85	89.5	3.043	0.358	0.4288	
15 minute summer	84	12.000	85	44.0	2.710	0.350	0.1758	
15 minute summer	85	11.006	86	156.2	3.720	0.269	0.4281	
15 minute summer	86	11.007	87	167.2	3.560	0.288	0.5367	
15 minute summer	87	11.008	92	189.4	4.152	0.326	0.4358	
15 minute summer	88	13.000	89	37.0	1.988	0.454	1.0149	
15 minute summer	89	13.001	90	72.7	2.337	0.375	1.8630	
15 minute summer	90	13.002	91	117.4	3.613	0.429	0.9303	
15 minute summer	91	13.003	92	154.4	2.421	0.131	1.0874	
15 minute summer	92	11.009	93	360.5	3.970	0.285	1.0944	
15 minute summer	93	11.010	94	370.8	4.145	0.308	1.3840	
15 minute summer	94	11.011	95	381.2	3.982	0.271	0.9969	
15 minute summer	95	11.012	96	425.5	4.463	0.384	2.2927	

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.42%

Node Event		US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer		96	10	83.672	0.285	436.4	0.5033	0.0000	OK
15 minute summer		97	11	83.149	0.628	469.2	1.1105	0.0000	SURCHARGED
15 minute summer		BASIN 2	11	83.030	0.630	464.2	1.1138	0.0000	SURCHARGED
240 minute winter		98_OUT	236	82.169	-0.231	84.9	345.7723	0.0000	OK
120 minute summer		BASIN 3	80	95.296	0.196	9.8	9.4734	0.0000	OK
240 minute winter		BASIN 4	232	96.519	0.119	4.5	20.3378	0.0000	OK
240 minute winter		BASIN 5	236	96.037	0.137	4.9	22.8029	0.0000	OK
Link Event (Upstream Depth)		US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer		96	11.013	97	443.3	2.031	0.422	7.7223	
15 minute summer		97	11.014	BASIN 2	464.2	1.648	0.663	3.2920	
15 minute summer		BASIN 2	11.015	98_OUT	464.7	1.742	1.644	3.7056	
240 minute winter		98_OUT	Weir		0.0				0.0
240 minute winter		98_OUT	Infiltration		11.4				
120 minute summer		BASIN 3	Infiltration		3.1				
240 minute winter		BASIN 4	Infiltration		0.6				
240 minute winter		BASIN 5	Infiltration		0.6				