Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH9	495	93.691	0.041	3.0	0.1537	0.0000	OK
960 minute winter	MH8	495	93.599	0.046	5.4	0.1587	0.0000	OK
960 minute winter	MH7	495	93.508	0.027	1.7	0.0877	0.0000	OK
960 minute winter	MH6	495	93.467	0.059	8.6	0.1811	0.0000	OK
960 minute winter	MH5	465	93.399	0.022	1.1	0.0665	0.0000	OK
960 minute winter	MH4	495	93.392	0.063	10.0	0.1687	0.0000	OK
960 minute winter	MH3	495	93.317	0.019	0.8	0.0547	0.0000	OK
960 minute winter	MH2	495	93.310	0.065	12.4	0.2000	0.0000	OK
960 minute winter	MH1	495	93.199	0.086	14.0	0.2653	0.0000	OK
960 minute winter	MH1.1	495	93.122	0.087	14.5	0.1655	0.0000	OK
960 minute winter	NEW SW 1	495	91.722	0.083	14.5	0.1471	0.0000	OK
960 minute winter	EX SW 1	495	91.329	0.079	14.5	0.0000	0.0000	OK
960 minute winter	MH16	480	95.664	0.024	2.4	0.0747	0.0000	OK
960 minute winter	MH14	480	95.789	0.014	0.7	0.0259	0.0000	OK
960 minute winter	MH15	480	94.745	0.027	1.2	0.0860	0.0000	OK
960 minute winter	MH17	480	94.733	0.036	3.6	0.1083	0.0000	OK
960 minute winter	MH11	480	94.830	0.030	2.2	0.1076	0.0000	OK
960 minute winter	MH12	495	94.703	0.053	4.6	0.1800	0.0000	OK
960 minute winter	MH10	495	94.687	0.042	3.0	0.1621	0.0000	OK
960 minute winter	MH13	495	94.622	0.044	8.8	0.1297	0.0000	OK
960 minute winter	MH18	495	94.043	0.043	12.4	0.1278	0.0000	OK
960 minute winter	MH19	495	94.617	0.156	12.4	0.7043	0.0000	OK
960 minute winter	EX SW 3	495	93.307	0.040	12.4	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)
960 minute winter	MH9	1.000	MH8	3.0	0.334	0.009	0.3916	
960 minute winter	MH8	1.001	MH6	5.4	0.456	0.012	0.4241	
960 minute winter	MH7	2.000	MH6	1.7	0.192	0.004	0.1697	
960 minute winter	MH6	1.002	MH4	8.6	0.577	0.020	0.2864	
960 minute winter	MH5	3.000	MH4	1.1	0.128	0.003	0.1151	
960 minute winter	MH4	1.003	MH2	10.0	0.623	0.023	0.3277	
960 minute winter	MH3	4.000	MH2	0.8	0.095	0.002	0.1266	
960 minute winter	MH2	1.004	MH1	12.4	0.604	0.026	0.5452	
960 minute winter	MH1	1.005	MH1.1	14.0	0.729	0.109	0.3599	
960 minute winter	MH1.1	1.006	NEW SW 1	14.5	0.797	0.103	0.1389	
960 minute winter	NEW SW 1	EX1.000	EX SW 1	14.5	1.493	0.546	0.1702	331.1
960 minute winter	MH16	5.000	MH17	2.4	0.930	0.013	0.0572	
960 minute winter	MH14	6.000	MH15	0.7	0.877	0.017	0.0090	
960 minute winter	MH15	6.001	MH17	1.2	0.212	0.004	0.0595	
960 minute winter	MH17	5.001	MH19	3.6	0.125	0.007	1.4906	
960 minute winter	MH11	7.000	MH12	2.2	0.265	0.005	0.2931	
960 minute winter	MH12	7.001	MH13	4.6	0.434	0.015	0.3800	
960 minute winter	MH10	8.000	MH13	3.0	0.343	0.010	0.2926	
960 minute winter	MH13	7.002	MH19	8.8	0.287	0.011	0.2837	
960 minute winter	MH18	5.003	EX SW 3	12.4	2.480	0.069	0.0313	283.1
960 minute winter	MH19	5.002	MH18	12.4	1.755	0.027	0.0614	

Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH9	750	93.690	0.040	2.9	0.1514	0.0000	OK
1440 minute summer	MH8	750	93.599	0.046	5.3	0.1573	0.0000	OK
1440 minute summer	MH7	750	93.508	0.027	1.6	0.0854	0.0000	OK
1440 minute summer	MH6	750	93.466	0.058	8.4	0.1789	0.0000	OK
1440 minute summer	MH5	750	93.399	0.022	1.1	0.0665	0.0000	OK
1440 minute summer	MH4	750	93.392	0.063	9.8	0.1670	0.0000	OK
1440 minute summer	MH3	750	93.316	0.018	0.7	0.0515	0.0000	OK
1440 minute summer	MH2	750	93.309	0.064	12.0	0.1969	0.0000	OK
1440 minute summer	MH1	750	93.198	0.085	13.6	0.2613	0.0000	OK
1440 minute summer	MH1.1	750	93.120	0.085	14.0	0.1625	0.0000	OK
1440 minute summer	NEW SW 1	750	91.720	0.081	14.0	0.1438	0.0000	OK
1440 minute summer	EX SW 1	750	91.327	0.077	14.0	0.0000	0.0000	OK
1440 minute summer	MH16	750	95.664	0.024	2.4	0.0747	0.0000	OK
1440 minute summer	MH14	750	95.789	0.014	0.7	0.0259	0.0000	OK
1440 minute summer	MH15	750	94.745	0.027	1.2	0.0860	0.0000	OK
1440 minute summer	MH17	750	94.733	0.036	3.6	0.1083	0.0000	OK
1440 minute summer	MH11	750	94.830	0.030	2.2	0.1076	0.0000	OK
1440 minute summer	MH12	750	94.703	0.053	4.5	0.1782	0.0000	OK
1440 minute summer	MH10	750	94.686	0.041	2.9	0.1597	0.0000	OK
1440 minute summer	MH13	750	94.621	0.043	8.6	0.1284	0.0000	OK
1440 minute summer	MH18	750	94.042	0.042	12.2	0.1267	0.0000	OK
1440 minute summer	MH19	750	94.615	0.154	12.2	0.6984	0.0000	OK
1440 minute summer	EX SW 3	750	93.307	0.040	12.2	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)
1440 minute summer	MH9	1.000	MH8	2.9	0.329	0.009	0.3847	
1440 minute summer	MH8	1.001	MH6	5.3	0.454	0.012	0.4174	
1440 minute summer	MH7	2.000	MH6	1.6	0.186	0.004	0.1657	
1440 minute summer	MH6	1.002	MH4	8.4	0.573	0.019	0.2818	
1440 minute summer	MH5	3.000	MH4	1.1	0.127	0.003	0.1137	
1440 minute summer	MH4	1.003	MH2	9.8	0.622	0.022	0.3217	
1440 minute summer	MH3	4.000	MH2	0.7	0.085	0.002	0.1226	
1440 minute summer	MH2	1.004	MH1	12.0	0.598	0.025	0.5331	
1440 minute summer	MH1	1.005	MH1.1	13.6	0.726	0.106	0.3513	
1440 minute summer	MH1.1	1.006	NEW SW 1	14.0	0.789	0.099	0.1353	
1440 minute summer	NEW SW 1	EX1.000	EX SW 1	14.0	1.481	0.527	0.1657	324.9
1440 minute summer	MH16	5.000	MH17	2.4	0.930	0.013	0.0572	
1440 minute summer	MH14	6.000	MH15	0.7	0.877	0.017	0.0090	
1440 minute summer	MH15	6.001	MH17	1.2	0.212	0.004	0.0595	
1440 minute summer	MH17	5.001	MH19	3.6	0.126	0.007	1.4752	
1440 minute summer	MH11	7.000	MH12	2.2	0.265	0.005	0.2901	
1440 minute summer	MH12	7.001	MH13	4.5	0.431	0.015	0.3742	
1440 minute summer	MH10	8.000	MH13	2.9	0.339	0.009	0.2869	
1440 minute summer	MH13	7.002	MH19	8.6	0.286	0.011	0.2802	
1440 minute summer	MH18	5.003	EX SW 3	12.2	2.470	0.068	0.0310	279.9
1440 minute summer	MH19	5.002	MH18	12.2	1.748	0.026	0.0607	

Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH9	750	93.685	0.035	2.2	0.1326	0.0000	OK
1440 minute winter	MH8	750	93.593	0.040	4.0	0.1387	0.0000	OK
1440 minute winter	MH7	720	93.504	0.023	1.2	0.0749	0.0000	OK
1440 minute winter	MH6	750	93.458	0.050	6.3	0.1554	0.0000	OK
1440 minute winter	MH5	690	93.396	0.019	0.8	0.0576	0.0000	OK
1440 minute winter	MH4	750	93.384	0.055	7.4	0.1454	0.0000	OK
1440 minute winter	MH3	750	93.315	0.017	0.6	0.0481	0.0000	OK
1440 minute winter	MH2	750	93.301	0.056	9.1	0.1726	0.0000	OK
1440 minute winter	MH1	750	93.187	0.074	10.3	0.2262	0.0000	OK
1440 minute winter	MH1.1	750	93.109	0.074	10.6	0.1406	0.0000	OK
1440 minute winter	NEW SW 1	750	91.708	0.069	10.6	0.1214	0.0000	OK
1440 minute winter	EX SW 1	750	91.316	0.066	10.6	0.0000	0.0000	OK
1440 minute winter	MH16	750	95.661	0.021	1.8	0.0654	0.0000	OK
1440 minute winter	MH14	690	95.787	0.012	0.5	0.0221	0.0000	OK
1440 minute winter	MH15	750	94.742	0.024	0.9	0.0755	0.0000	OK
1440 minute winter	MH17	750	94.729	0.032	2.7	0.0946	0.0000	OK
1440 minute winter	MH11	720	94.826	0.026	1.6	0.0935	0.0000	OK
1440 minute winter	MH12	780	94.696	0.046	3.3	0.1550	0.0000	OK
1440 minute winter	MH10	750	94.681	0.036	2.2	0.1401	0.0000	OK
1440 minute winter	MH13	750	94.616	0.038	6.4	0.1121	0.0000	OK
1440 minute winter	MH18	750	94.036	0.036	9.1	0.1088	0.0000	OK
1440 minute winter	MH19	750	94.593	0.132	9.1	0.5991	0.0000	OK
1440 minute winter	EX SW 3	750	93.301	0.034	9.1	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)
1440 minute winter	MH9	1.000	MH8	2.2	0.303	0.007	0.3172	
1440 minute winter	MH8	1.001	MH6	4.0	0.417	0.009	0.3404	
1440 minute winter	MH7	2.000	MH6	1.2	0.174	0.003	0.1346	
1440 minute winter	MH6	1.002	MH4	6.3	0.530	0.014	0.2289	
1440 minute winter	MH5	3.000	MH4	0.8	0.119	0.002	0.0923	
1440 minute winter	MH4	1.003	MH2	7.4	0.573	0.017	0.2634	
1440 minute winter	MH3	4.000	MH2	0.6	0.086	0.001	0.1022	
1440 minute winter	MH2	1.004	MH1	9.1	0.558	0.019	0.4346	
1440 minute winter	MH1	1.005	MH1.1	10.3	0.676	0.080	0.2858	
1440 minute winter	MH1.1	1.006	NEW SW 1	10.6	0.730	0.075	0.1106	
1440 minute winter	NEW SW 1	EX1.000	EX SW 1	10.6	1.386	0.399	0.1340	365.5
1440 minute winter	MH16	5.000	MH17	1.8	0.851	0.009	0.0469	
1440 minute winter	MH14	6.000	MH15	0.5	0.791	0.012	0.0072	
1440 minute winter	MH15	6.001	MH17	0.9	0.196	0.003	0.0487	
1440 minute winter	MH17	5.001	MH19	2.7	0.117	0.005	1.1883	
1440 minute winter	MH11	7.000	MH12	1.6	0.237	0.004	0.2352	
1440 minute winter	MH12	7.001	MH13	3.3	0.391	0.011	0.3051	
1440 minute winter	MH10	8.000	MH13	2.2	0.313	0.007	0.2354	
1440 minute winter	MH13	7.002	MH19	6.4	0.265	0.008	0.2257	
1440 minute winter	MH18	5.003	EX SW 3	9.1	2.283	0.051	0.0250	316.7
1440 minute winter	MH19	5.002	MH18	9.1	1.622	0.020	0.0488	

Results for 100 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH9	13	93.943	0.293	50.5	1.1089	0.0000	OK
15 minute summer	MH8	14	93.947	0.394	92.0	1.3558	0.0000	OK
15 minute summer	MH7	14	93.954	0.473	43.0	1.5217	0.0000	OK
15 minute summer	MH6	14	93.922	0.514	137.3	1.5896	0.0000	OK
15 minute summer	MH5	15	93.956	0.579	24.9	1.7220	0.0000	OK
15 minute summer	MH4	15	93.929	0.600	131.9	1.5989	0.0000	SURCHARGED
15 minute summer	MH3	15	93.938	0.640	12.7	1.8067	0.0000	SURCHARGED
15 minute summer	MH2	15	93.933	0.688	141.0	2.1171	0.0000	SURCHARGED
15 minute summer	MH1	15	93.944	0.831	143.3	2.5500	0.0000	SURCHARGED
15 minute summer	MH1.1	15	93.947	0.912	85.4	1.7403	0.0000	SURCHARGED
15 minute summer	NEW SW 1	15	93.938	2.299	76.0	4.0616	0.0000	SURCHARGED
15 minute summer	EX SW 1	7	91.392	0.142	62.6	0.0000	0.0000	OK
15 minute summer	MH16	10	95.739	0.099	41.2	0.3101	0.0000	OK
15 minute summer	MH14	10	95.832	0.057	11.6	0.1071	0.0000	OK
15 minute summer	MH15	14	95.095	0.377	19.6	1.1912	0.0000	OK
15 minute summer	MH17	13	95.094	0.397	53.9	1.1841	0.0000	OK
15 minute summer	MH11	14	95.089	0.289	37.4	1.0400	0.0000	OK
15 minute summer	MH12	14	95.097	0.447	71.9	1.5124	0.0000	OK
15 minute summer	MH10	13	95.087	0.442	50.9	1.7234	0.0000	OK
15 minute summer	MH13	13	95.106	0.528	102.4	1.5694	0.0000	OK
15 minute summer	MH18	13	94.128	0.128	79.0	0.3824	0.0000	OK
15 minute summer	MH19	15	95.086	0.625	149.2	2.8260	0.0000	SURCHARGED
15 minute summer	EX SW 3	13	93.371	0.104	79.4	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	MH9	1.000	MH8	49.5	0.729	0.153	6.9012	
15 minute summer	MH8	1.001	MH6	88.7	0.913	0.202	8.0322	
15 minute summer	MH7	2.000	MH6	40.1	0.377	0.092	4.5448	
15 minute summer	MH6	1.002	MH4	126.1	1.033	0.286	5.1692	
15 minute summer	MH5	3.000	MH4	13.3	0.388	0.031	3.3879	
15 minute summer	MH4	1.003	MH2	104.3	1.065	0.237	5.7447	
15 minute summer	MH3	4.000	MH2	46.9	0.238	0.108	3.7536	
15 minute summer	MH2	1.004	MH1	117.6	0.871	0.242	7.4408	
15 minute summer	MH1	1.005	MH1.1	79.4	1.096	0.618	2.0678	
15 minute summer	MH1.1	1.006	NEW SW 1	76.0	1.208	0.539	0.8406	
15 minute summer	NEW SW 1	EX1.000	EX SW 1	62.6	3.556	2.357	0.3054	105.1
15 minute summer	MH16	5.000	MH17	40.8	2.089	0.215	0.4330	
15 minute summer	MH14	6.000	MH15	11.5	1.939	0.278	0.0673	
15 minute summer	MH15	6.001	MH17	20.1	0.400	0.066	2.0124	
15 minute summer	MH17	5.001	MH19	45.0	0.509	0.091	11.0144	
15 minute summer	MH11	7.000	MH12	33.6	0.597	0.074	6.0931	
15 minute summer	MH12	7.001	MH13	46.5	0.624	0.152	8.6765	
15 minute summer	MH10	8.000	MH13	39.8	0.549	0.130	8.1158	
15 minute summer	MH13	7.002	MH19	121.6	0.872	0.150	2.3025	
15 minute summer	MH18	5.003	EX SW 3	79.4	3.844	0.444	0.1296	90.3
15 minute summer	MH19	5.002	MH18	79.0	2.556	0.171	0.2705	

Results for 100 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH9	15	94.076	0.426	66.4	1.6135	0.0000	OK
15 minute winter	MH8	15	94.075	0.522	94.9	1.7961	0.0000	OK
15 minute winter	MH7	15	94.059	0.578	41.2	1.8600	0.0000	OK
15 minute winter	MH6	16	94.076	0.668	140.1	2.0673	0.0000	SURCHARGED
15 minute winter	MH5	16	94.051	0.674	32.5	2.0023	0.0000	SURCHARGED
15 minute winter	MH4	16	94.059	0.730	130.7	1.9452	0.0000	SURCHARGED
15 minute winter	MH3	14	94.074	0.776	44.9	2.1914	0.0000	SURCHARGED
15 minute winter	MH2	14	94.077	0.832	143.8	2.5589	0.0000	SURCHARGED
15 minute winter	MH1	14	94.092	0.979	118.2	3.0043	0.0000	SURCHARGED
15 minute winter	MH1.1	14	94.071	1.036	105.3	1.9772	0.0000	SURCHARGED
15 minute winter	NEW SW 1	14	94.049	2.410	86.4	4.2592	0.0000	SURCHARGED
15 minute winter	EX SW 1	7	91.392	0.142	63.8	0.0000	0.0000	OK
15 minute winter	MH16	10	95.742	0.102	43.3	0.3184	0.0000	OK
15 minute winter	MH14	10	95.834	0.059	12.2	0.1101	0.0000	OK
15 minute winter	MH15	15	95.165	0.447	20.6	1.4136	0.0000	OK
15 minute winter	MH17	15	95.167	0.470	68.4	1.4042	0.0000	OK
15 minute winter	MH11	14	95.178	0.378	39.3	1.3628	0.0000	OK
15 minute winter	MH12	14	95.163	0.513	74.3	1.7381	0.0000	OK
15 minute winter	MH10	14	95.171	0.526	53.5	2.0521	0.0000	OK
15 minute winter	MH13	14	95.164	0.586	124.1	1.7419	0.0000	OK
15 minute winter	MH18	14	94.129	0.129	79.9	0.3842	0.0000	OK
15 minute winter	MH19	15	95.163	0.702	146.6	3.1749	0.0000	SURCHARGED
15 minute winter	EX SW 3	14	93.372	0.105	79.8	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 winter	MH9	1.000	MH8	53.4	0.730	0.166	10.3363	
15 minute winter	MH8	1.001	MH6	92.3	0.897	0.210	9.6069	
15 minute winter	MH7	2.000	MH6	22.6	0.384	0.052	5.1405	
15 minute winter	MH6	1.002	MH4	110.0	1.043	0.250	5.4121	
15 minute winter	MH5	3.000	MH4	31.1	0.406	0.072	3.4066	
15 minute winter	MH4	1.003	MH2	117.9	1.018	0.268	5.7468	
15 minute winter	MH3	4.000	MH2	-32.3	-0.256	-0.074	3.7536	
15 minute winter	MH2	1.004	MH1	96.1	0.897	0.198	7.4408	
15 minute winter	MH1	1.005	MH1.1	99.0	1.137	0.770	2.0678	
15 minute winter	MH1.1	1.006	NEW SW 1	86.4	1.139	0.613	0.8406	
15 minute winter	NEW SW 1	EX1.000	EX SW 1	63.8	3.625	2.403	0.3054	118.2
15 minute winter	MH16	5.000	MH17	42.8	2.114	0.225	0.5546	
15 minute winter	MH14	6.000	MH15	12.1	1.962	0.291	0.0697	
15 minute winter	MH15	6.001	MH17	27.0	0.376	0.088	2.4325	
15 minute winter	MH17	5.001	MH19	38.7	0.525	0.079	11.9260	
15 minute winter	MH11	7.000	MH12	35.0	0.576	0.077	7.5320	
15 minute winter	MH12	7.001	MH13	46.4	0.670	0.152	9.6189	
15 minute winter	MH10	8.000	MH13	46.0	0.595	0.150	9.0669	
15 minute winter	MH13	7.002	MH19	107.9	0.893	0.133	2.3772	
15 minute winter	MH18	5.003	EX SW 3	79.8	3.845	0.446	0.1302	101.2
15 minute winter	MH19	5.002	MH18	79.9	2.550	0.173	0.2730	

Results for 100 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH9	23	94.019	0.369	56.0	1.3978	0.0000	OK
30 minute summer	MH8	23	94.004	0.451	85.5	1.5519	0.0000	OK
30 minute summer	MH7	24	94.005	0.524	30.5	1.6864	0.0000	OK
30 minute summer	MH6	24	94.002	0.594	122.7	1.8370	0.0000	OK
30 minute summer	MH5	24	93.999	0.622	24.2	1.8486	0.0000	SURCHARGED
30 minute summer	MH4	24	94.009	0.680	111.2	1.8107	0.0000	SURCHARGED
30 minute summer	MH3	22	93.999	0.701	28.4	1.9796	0.0000	SURCHARGED
30 minute summer	MH2	22	94.015	0.770	119.3	2.3694	0.0000	SURCHARGED
30 minute summer	MH1	22	94.010	0.897	101.0	2.7551	0.0000	SURCHARGED
30 minute summer	MH1.1	22	94.008	0.973	86.5	1.8577	0.0000	SURCHARGED
30 minute summer	NEW SW 1	22	93.995	2.356	67.4	4.1626	0.0000	SURCHARGED
30 minute summer	EX SW 1	10	91.392	0.142	63.3	0.0000	0.0000	OK
30 minute summer	MH16	18	95.735	0.095	38.0	0.2976	0.0000	OK
30 minute summer	MH14	18	95.830	0.055	10.7	0.1027	0.0000	OK
30 minute summer	MH15	23	95.115	0.397	22.0	1.2530	0.0000	OK
30 minute summer	MH17	22	95.125	0.428	58.3	1.2777	0.0000	OK
30 minute summer	MH11	22	95.129	0.329	34.5	1.1842	0.0000	OK
30 minute summer	MH12	22	95.127	0.477	63.7	1.6145	0.0000	OK
30 minute summer	MH10	22	95.122	0.477	46.9	1.8600	0.0000	OK
30 minute summer	MH13	22	95.133	0.555	108.0	1.6517	0.0000	OK
30 minute summer	MH18	21	94.128	0.128	79.8	0.3834	0.0000	OK
30 minute summer	MH19	21	95.131	0.670	189.4	3.0297	0.0000	SURCHARGED
30 minute summer	EX SW 3	22	93.371	0.104	79.6	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)
30 minute summer	MH9	1.000	MH8	46.5	0.726	0.144	8.9149	
30 minute summer	MH8	1.001	MH6	84.3	0.888	0.192	9.0091	
30 minute summer	MH7	2.000	MH6	21.4	0.328	0.049	4.9773	
30 minute summer	MH6	1.002	MH4	105.9	1.006	0.241	5.4081	
30 minute summer	MH5	3.000	MH4	13.2	0.346	0.030	3.4066	
30 minute summer	MH4	1.003	MH2	97.3	0.992	0.221	5.7468	
30 minute summer	MH3	4.000	MH2	18.2	0.271	0.042	3.7536	
30 minute summer	MH2	1.004	MH1	82.9	0.873	0.171	7.4408	
30 minute summer	MH1	1.005	MH1.1	81.3	1.055	0.633	2.0678	
30 minute summer	MH1.1	1.006	NEW SW 1	67.4	1.174	0.478	0.8406	
30 minute summer	NEW SW 1	EX1.000	EX SW 1	63.3	3.594	2.382	0.3054	142.1
30 minute summer	MH16	5.000	MH17	38.0	2.054	0.200	0.4232	
30 minute summer	MH14	6.000	MH15	10.7	1.905	0.258	0.0637	
30 minute summer	MH15	6.001	MH17	20.3	0.349	0.067	2.1675	
30 minute summer	MH17	5.001	MH19	42.7	0.468	0.087	11.4213	
30 minute summer	MH11	7.000	MH12	29.2	0.502	0.064	6.7567	
30 minute summer	MH12	7.001	MH13	51.9	0.551	0.170	9.1864	
30 minute summer	MH10	8.000	MH13	37.3	0.449	0.122	8.5764	
30 minute summer	MH13	7.002	MH19	146.7	0.818	0.181	2.3452	
30 minute summer	MH18	5.003	EX SW 3	79.6	3.845	0.445	0.1298	121.5
30 minute summer	MH19	5.002	MH18	79.8	2.546	0.173	0.2727	

Results for 100 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH9	24	94.174	0.524	42.1	1.9848	0.0000	OK
30 minute winter	MH8	25	94.171	0.618	77.6	2.1288	0.0000	SURCHARGED
30 minute winter	MH7	25	94.177	0.696	26.7	2.2382	0.0000	SURCHARGED
30 minute winter	MH6	25	94.176	0.768	104.8	2.3763	0.0000	SURCHARGED
30 minute winter	MH5	25	94.175	0.798	16.1	2.3709	0.0000	SURCHARGED
30 minute winter	MH4	25	94.172	0.843	105.5	2.2455	0.0000	SURCHARGED
30 minute winter	MH3	25	94.180	0.882	24.2	2.4905	0.0000	SURCHARGED
30 minute winter	MH2	25	94.173	0.928	102.5	2.8552	0.0000	SURCHARGED
30 minute winter	MH1	25	94.175	1.062	103.8	3.2596	0.0000	SURCHARGED
30 minute winter	MH1.1	25	94.143	1.108	78.3	2.1149	0.0000	SURCHARGED
30 minute winter	NEW SW 1	25	94.125	2.486	68.6	4.3930	0.0000	SURCHARGED
30 minute winter	EX SW 1	9	91.392	0.142	64.8	0.0000	0.0000	OK
30 minute winter	MH16	18	95.730	0.090	34.4	0.2819	0.0000	OK
30 minute winter	MH14	18	95.827	0.052	9.6	0.0967	0.0000	OK
30 minute winter	MH15	23	95.175	0.457	16.3	1.4442	0.0000	OK
30 minute winter	MH17	24	95.176	0.479	60.1	1.4292	0.0000	OK
30 minute winter	MH11	23	95.184	0.384	31.2	1.3828	0.0000	OK
30 minute winter	MH12	23	95.178	0.528	56.9	1.7894	0.0000	OK
30 minute winter	MH10	24	95.175	0.530	42.4	2.0700	0.0000	OK
30 minute winter	MH13	22	95.172	0.594	130.6	1.7668	0.0000	OK
30 minute winter	MH18	22	94.129	0.129	79.9	0.3842	0.0000	OK
30 minute winter	MH19	23	95.181	0.720	174.8	3.2558	0.0000	SURCHARGED
30 minute winter	EX SW 3	22	93.372	0.105	79.8	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)
30 minute winter	MH9	1.000	MH8	43.2	0.710	0.134	11.8340	
30 minute winter	MH8	1.001	MH6	74.0	0.853	0.169	9.9902	
30 minute winter	MH7	2.000	MH6	18.4	0.329	0.042	5.1702	
30 minute winter	MH6	1.002	MH4	89.9	0.976	0.204	5.4121	
30 minute winter	MH5	3.000	MH4	11.0	0.351	0.025	3.4066	
30 minute winter	MH4	1.003	MH2	84.0	1.013	0.191	5.7468	
30 minute winter	MH3	4.000	MH2	-14.2	0.206	-0.033	3.7536	
30 minute winter	MH2	1.004	MH1	87.5	0.866	0.180	7.4408	
30 minute winter	MH1	1.005	MH1.1	74.5	1.034	0.580	2.0678	
30 minute winter	MH1.1	1.006	NEW SW 1	68.6	1.151	0.486	0.8406	
30 minute winter	NEW SW 1	EX1.000	EX SW 1	64.8	3.682	2.441	0.3054	159.1
30 minute winter	MH16	5.000	MH17	34.4	2.000	0.181	0.5842	
30 minute winter	MH14	6.000	MH15	9.6	1.851	0.232	0.0588	
30 minute winter	MH15	6.001	MH17	25.7	0.330	0.084	2.4722	
30 minute winter	MH17	5.001	MH19	36.5	0.480	0.074	12.0194	
30 minute winter	MH11	7.000	MH12	25.6	0.476	0.056	7.6908	
30 minute winter	MH12	7.001	MH13	45.1	0.582	0.147	9.7495	
30 minute winter	MH10	8.000	MH13	38.8	0.476	0.127	9.1126	
30 minute winter	MH13	7.002	MH19	145.2	0.853	0.179	2.3828	
30 minute winter	MH18	5.003	EX SW 3	79.8	3.845	0.446	0.1302	135.7
30 minute winter	MH19	5.002	MH18	79.9	2.547	0.173	0.2732	

Results for 100 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH9	39	93.957	0.307	35.6	1.1620	0.0000	OK
60 minute summer	MH8	41	93.952	0.399	64.8	1.3725	0.0000	OK
60 minute summer	MH7	40	93.958	0.477	19.8	1.5336	0.0000	OK
60 minute summer	MH6	40	93.952	0.544	95.5	1.6830	0.0000	OK
60 minute summer	MH5	40	93.954	0.577	13.6	1.7143	0.0000	OK
60 minute summer	MH4	40	93.950	0.621	88.6	1.6533	0.0000	SURCHARGED
60 minute summer	MH3	40	93.949	0.651	24.5	1.8378	0.0000	SURCHARGED
60 minute summer	MH2	39	93.946	0.701	92.7	2.1548	0.0000	SURCHARGED
60 minute summer	MH1	40	93.943	0.830	94.2	2.5470	0.0000	SURCHARGED
60 minute summer	MH1.1	39	93.922	0.887	74.9	1.6925	0.0000	SURCHARGED
60 minute summer	NEW SW 1	39	93.907	2.268	65.1	4.0074	0.0000	SURCHARGED
60 minute summer	EX SW 1	22	91.392	0.142	62.2	0.0000	0.0000	OK
60 minute summer	MH16	33	95.722	0.082	29.1	0.2576	0.0000	OK
60 minute summer	MH14	33	95.822	0.047	8.2	0.0887	0.0000	OK
60 minute summer	MH15	38	95.059	0.341	16.4	1.0777	0.0000	OK
60 minute summer	MH17	38	95.061	0.364	43.0	1.0855	0.0000	OK
60 minute summer	MH11	37	95.062	0.262	26.4	0.9432	0.0000	OK
60 minute summer	MH12	39	95.059	0.409	50.6	1.3863	0.0000	OK
60 minute summer	MH10	38	95.062	0.417	35.9	1.6280	0.0000	OK
60 minute summer	MH13	38	95.071	0.493	115.5	1.4676	0.0000	OK
60 minute summer	MH18	38	94.127	0.127	78.4	0.3798	0.0000	OK
60 minute summer	MH19	38	95.043	0.582	166.6	2.6334	0.0000	SURCHARGED
60 minute summer	EX SW 3	38	93.371	0.104	78.7	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)
60 minute summer	MH9	1.000	MH8	35.7	0.689	0.111	7.3508	
60 minute summer	MH8	1.001	MH6	63.1	0.834	0.144	8.2568	
60 minute summer	MH7	2.000	MH6	17.4	0.309	0.040	4.6682	
60 minute summer	MH6	1.002	MH4	81.0	0.954	0.184	5.2865	
60 minute summer	MH5	3.000	MH4	16.8	0.299	0.039	3.3854	
60 minute summer	MH4	1.003	MH2	77.0	1.002	0.175	5.7468	
60 minute summer	MH3	4.000	MH2	-16.9	0.241	-0.039	3.7536	
60 minute summer	MH2	1.004	MH1	80.3	0.862	0.165	7.4408	
60 minute summer	MH1	1.005	MH1.1	71.5	1.040	0.556	2.0678	
60 minute summer	MH1.1	1.006	NEW SW 1	65.1	1.161	0.461	0.8406	
60 minute summer	NEW SW 1	EX1.000	EX SW 1	62.2	3.532	2.341	0.3055	182.4
60 minute summer	MH16	5.000	MH17	29.1	1.913	0.153	0.3373	
60 minute summer	MH14	6.000	MH15	8.2	1.776	0.198	0.0524	
60 minute summer	MH15	6.001	MH17	13.9	0.319	0.046	1.8094	
60 minute summer	MH17	5.001	MH19	34.4	0.414	0.070	10.5293	
60 minute summer	MH11	7.000	MH12	24.0	0.445	0.053	5.4559	
60 minute summer	MH12	7.001	MH13	39.4	0.478	0.129	8.1058	
60 minute summer	MH10	8.000	MH13	35.9	0.385	0.117	7.6512	
60 minute summer	MH13	7.002	MH19	132.2	0.778	0.163	2.2321	
60 minute summer	MH18	5.003	EX SW 3	78.7	3.838	0.440	0.1286	156.4
60 minute summer	MH19	5.002	MH18	78.4	2.558	0.169	0.2688	

Results for 100 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH9	44	94.008	0.358	28.8	1.3551	0.0000	OK
60 minute winter	MH8	42	94.005	0.452	52.5	1.5580	0.0000	OK
60 minute winter	MH7	43	94.005	0.524	16.1	1.6853	0.0000	OK
60 minute winter	MH6	43	94.008	0.600	79.4	1.8547	0.0000	OK
60 minute winter	MH5	43	94.004	0.627	11.0	1.8620	0.0000	SURCHARGED
60 minute winter	MH4	43	94.007	0.678	71.8	1.8057	0.0000	SURCHARGED
60 minute winter	MH3	43	94.006	0.708	12.5	1.9977	0.0000	SURCHARGED
60 minute winter	MH2	43	94.006	0.761	85.2	2.3422	0.0000	SURCHARGED
60 minute winter	MH1	43	94.004	0.891	88.4	2.7355	0.0000	SURCHARGED
60 minute winter	MH1.1	43	93.981	0.946	69.3	1.8052	0.0000	SURCHARGED
60 minute winter	NEW SW 1	43	93.965	2.326	63.9	4.1105	0.0000	SURCHARGED
60 minute winter	EX SW 1	19	91.392	0.142	62.9	0.0000	0.0000	OK
60 minute winter	MH16	33	95.714	0.074	23.5	0.2302	0.0000	OK
60 minute winter	MH14	33	95.817	0.042	6.6	0.0790	0.0000	OK
60 minute winter	MH15	40	95.046	0.328	11.2	1.0358	0.0000	OK
60 minute winter	MH17	40	95.042	0.345	42.0	1.0301	0.0000	OK
60 minute winter	MH11	40	95.044	0.244	21.3	0.8807	0.0000	OK
60 minute winter	MH12	40	95.044	0.394	41.2	1.3345	0.0000	OK
60 minute winter	MH10	40	95.045	0.400	29.0	1.5612	0.0000	OK
60 minute winter	MH13	37	95.037	0.459	110.3	1.3636	0.0000	OK
60 minute winter	MH18	38	94.127	0.127	78.8	0.3802	0.0000	OK
60 minute winter	MH19	40	95.057	0.596	158.5	2.6971	0.0000	SURCHARGED
60 minute winter	EX SW 3	38	93.371	0.104	78.6	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)
60 minute winter	MH9	1.000	MH8	29.0	0.649	0.090	8.7795	
60 minute winter	MH8	1.001	MH6	49.7	0.793	0.113	9.0328	
60 minute winter	MH7	2.000	MH6	17.9	0.300	0.041	4.9779	
60 minute winter	MH6	1.002	MH4	67.2	0.914	0.153	5.4100	
60 minute winter	MH5	3.000	MH4	12.6	0.296	0.029	3.4066	
60 minute winter	MH4	1.003	MH2	66.4	0.978	0.151	5.7468	
60 minute winter	MH3	4.000	MH2	8.0	0.211	0.018	3.7536	
60 minute winter	MH2	1.004	MH1	75.5	0.852	0.155	7.4408	
60 minute winter	MH1	1.005	MH1.1	66.5	1.036	0.517	2.0678	
60 minute winter	MH1.1	1.006	NEW SW 1	63.9	1.160	0.453	0.8406	
60 minute winter	NEW SW 1	EX1.000	EX SW 1	62.9	3.573	2.368	0.3054	204.0
60 minute winter	MH16	5.000	MH17	23.5	1.805	0.124	0.2887	
60 minute winter	MH14	6.000	MH15	6.6	1.676	0.159	0.0447	
60 minute winter	MH15	6.001	MH17	18.8	0.313	0.062	1.7106	
60 minute winter	MH17	5.001	MH19	32.2	0.406	0.065	10.3247	
60 minute winter	MH11	7.000	MH12	18.6	0.422	0.041	5.1594	
60 minute winter	MH12	7.001	MH13	39.3	0.510	0.128	7.6386	
60 minute winter	MH10	8.000	MH13	30.5	0.413	0.100	7.1885	
60 minute winter	MH13	7.002	MH19	126.5	0.780	0.156	2.1642	
60 minute winter	MH18	5.003	EX SW 3	78.6	3.835	0.439	0.1286	175.8
60 minute winter	MH19	5.002	MH18	78.8	2.542	0.170	0.2698	

Results for 100 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH9	74	93.780	0.130	23.5	0.4907	0.0000	OK
120 minute summer	MH8	72	93.782	0.229	42.7	0.7878	0.0000	OK
120 minute summer	MH7	72	93.779	0.298	13.1	0.9579	0.0000	OK
120 minute summer	MH6	74	93.779	0.371	64.4	1.1471	0.0000	OK
120 minute summer	MH5	72	93.777	0.400	9.0	1.1895	0.0000	OK
120 minute summer	MH4	74	93.777	0.448	66.9	1.1924	0.0000	OK
120 minute summer	MH3	74	93.776	0.478	8.6	1.3495	0.0000	OK
120 minute summer	MH2	74	93.776	0.531	74.8	1.6324	0.0000	OK
120 minute summer	MH1	74	93.774	0.661	77.8	2.0300	0.0000	SURCHARGED
120 minute summer	MH1.1	74	93.751	0.716	64.1	1.3668	0.0000	SURCHARGED
120 minute summer	NEW SW 1	74	93.736	2.097	60.4	3.7061	0.0000	SURCHARGED
120 minute summer	EX SW 1	48	91.392	0.142	60.0	0.0000	0.0000	OK
120 minute summer	MH16	64	95.706	0.066	19.2	0.2071	0.0000	OK
120 minute summer	MH14	64	95.813	0.038	5.4	0.0711	0.0000	OK
120 minute summer	MH15	68	94.934	0.216	9.2	0.6833	0.0000	OK
120 minute summer	MH17	68	94.924	0.227	32.5	0.6775	0.0000	OK
120 minute summer	MH11	68	94.931	0.131	17.4	0.4733	0.0000	OK
120 minute summer	MH12	68	94.933	0.283	35.6	0.9593	0.0000	OK
120 minute summer	MH10	68	94.934	0.289	23.7	1.1271	0.0000	OK
120 minute summer	MH13	68	94.911	0.333	98.3	0.9913	0.0000	OK
120 minute summer	MH18	66	94.124	0.124	76.4	0.3716	0.0000	OK
120 minute summer	MH19	68	94.953	0.492	128.8	2.2265	0.0000	SURCHARGED
120 minute summer	EX SW 3	66	93.369	0.102	75.9	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)
120 minute summer	MH9	1.000	MH8	23.5	0.619	0.073	3.1153	
120 minute summer	MH8	1.001	MH6	42.7	0.762	0.097	4.9848	
120 minute summer	MH7	2.000	MH6	11.5	0.290	0.027	2.9534	
120 minute summer	MH6	1.002	MH4	57.4	0.891	0.130	3.9230	
120 minute summer	MH5	3.000	MH4	8.2	0.242	0.019	2.5710	
120 minute summer	MH4	1.003	MH2	61.4	0.975	0.139	4.9900	
120 minute summer	MH3	4.000	MH2	4.5	0.221	0.010	3.3611	
120 minute summer	MH2	1.004	MH1	66.3	0.842	0.136	7.2031	
120 minute summer	MH1	1.005	MH1.1	61.4	1.006	0.478	2.0678	
120 minute summer	MH1.1	1.006	NEW SW 1	60.4	1.124	0.428	0.8406	
120 minute summer	NEW SW 1	EX1.000	EX SW 1	60.0	3.411	2.261	0.3056	226.0
120 minute summer	MH16	5.000	MH17	19.2	1.708	0.101	0.2492	
120 minute summer	MH14	6.000	MH15	5.4	1.586	0.130	0.0386	
120 minute summer	MH15	6.001	MH17	13.3	0.292	0.044	0.9942	
120 minute summer	MH17	5.001	MH19	24.7	0.372	0.050	7.9315	
120 minute summer	MH11	7.000	MH12	17.1	0.409	0.037	2.9933	
120 minute summer	MH12	7.001	MH13	31.9	0.474	0.104	5.2269	
120 minute summer	MH10	8.000	MH13	29.0	0.384	0.095	4.9356	
120 minute summer	MH13	7.002	MH19	107.5	0.810	0.133	1.7276	
120 minute summer	MH18	5.003	EX SW 3	75.9	3.810	0.424	0.1251	190.6
120 minute summer	MH19	5.002	MH18	76.4	2.539	0.165	0.2619	

Results for 100 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH9	64	93.744	0.094	18.1	0.3573	0.0000	OK
120 minute winter	MH8	76	93.730	0.177	32.9	0.6091	0.0000	OK
120 minute winter	MH7	76	93.728	0.247	10.1	0.7960	0.0000	OK
120 minute winter	MH6	76	93.728	0.320	50.6	0.9907	0.0000	OK
120 minute winter	MH5	76	93.727	0.350	6.9	1.0387	0.0000	OK
120 minute winter	MH4	76	93.727	0.398	55.2	1.0598	0.0000	OK
120 minute winter	MH3	76	93.726	0.428	6.8	1.2069	0.0000	OK
120 minute winter	MH2	76	93.725	0.480	62.4	1.4776	0.0000	OK
120 minute winter	MH1	76	93.724	0.611	66.6	1.8752	0.0000	SURCHARGED
120 minute winter	MH1.1	76	93.701	0.666	60.2	1.2708	0.0000	SURCHARGED
120 minute winter	NEW SW 1	76	93.686	2.047	59.5	3.6177	0.0000	SURCHARGED
120 minute winter	EX SW 1	42	91.392	0.142	59.4	0.0000	0.0000	OK
120 minute winter	MH16	64	95.698	0.058	14.8	0.1813	0.0000	OK
120 minute winter	MH14	64	95.808	0.033	4.2	0.0624	0.0000	OK
120 minute winter	MH15	68	94.882	0.164	7.1	0.5194	0.0000	OK
120 minute winter	MH17	70	94.885	0.188	22.9	0.5618	0.0000	OK
120 minute winter	MH11	70	94.885	0.085	13.4	0.3060	0.0000	OK
120 minute winter	MH12	70	94.884	0.234	27.6	0.7910	0.0000	OK
120 minute winter	MH10	72	94.882	0.237	18.3	0.9265	0.0000	OK
120 minute winter	MH13	70	94.899	0.321	75.4	0.9546	0.0000	OK
120 minute winter	MH18	66	94.119	0.119	72.5	0.3550	0.0000	OK
120 minute winter	MH19	66	94.902	0.441	136.1	1.9930	0.0000	SURCHARGED
120 minute winter	EX SW 3	72	93.365	0.098	70.8	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)
120 minute winter	MH9	1.000	MH8	18.1	0.575	0.056	2.0256	
120 minute winter	MH8	1.001	MH6	32.9	0.729	0.075	3.9417	
120 minute winter	MH7	2.000	MH6	9.7	0.282	0.022	2.4094	
120 minute winter	MH6	1.002	MH4	49.3	0.865	0.112	3.3752	
120 minute winter	MH5	3.000	MH4	6.2	0.245	0.014	2.2293	
120 minute winter	MH4	1.003	MH2	53.6	0.948	0.122	4.4903	
120 minute winter	MH3	4.000	MH2	4.8	0.176	0.011	3.0428	
120 minute winter	MH2	1.004	MH1	58.6	0.831	0.121	6.9148	
120 minute winter	MH1	1.005	MH1.1	57.9	1.007	0.450	2.0678	
120 minute winter	MH1.1	1.006	NEW SW 1	59.5	1.129	0.422	0.8406	
120 minute winter	NEW SW 1	EX1.000	EX SW 1	59.4	3.374	2.236	0.3054	252.5
120 minute winter	MH16	5.000	MH17	14.8	1.587	0.078	0.2068	
120 minute winter	MH14	6.000	MH15	4.2	1.480	0.101	0.0322	
120 minute winter	MH15	6.001	MH17	8.3	0.292	0.027	0.7190	
120 minute winter	MH17	5.001	MH19	25.7	0.292	0.052	6.6889	
120 minute winter	MH11	7.000	MH12	13.3	0.395	0.029	2.1335	
120 minute winter	MH12	7.001	MH13	29.5	0.475	0.097	4.5682	
120 minute winter	MH10	8.000	MH13	22.4	0.383	0.073	4.2896	
120 minute winter	MH13	7.002	MH19	110.3	0.758	0.136	1.5032	
120 minute winter	MH18	5.003	EX SW 3	70.8	3.762	0.396	0.1185	218.8
120 minute winter	MH19	5.002	MH18	72.5	2.533	0.157	0.2491	

Results for 100 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH9	96	93.743	0.093	17.5	0.3516	0.0000	OK
180 minute summer	MH8	96	93.660	0.107	31.8	0.3688	0.0000	OK
180 minute summer	MH7	104	93.639	0.158	9.8	0.5079	0.0000	OK
180 minute summer	MH6	104	93.639	0.231	49.3	0.7133	0.0000	OK
180 minute summer	MH5	104	93.638	0.261	6.7	0.7744	0.0000	OK
180 minute summer	MH4	104	93.638	0.309	55.8	0.8222	0.0000	OK
180 minute summer	MH3	104	93.636	0.338	4.4	0.9529	0.0000	OK
180 minute summer	MH2	104	93.636	0.391	65.2	1.2031	0.0000	OK
180 minute summer	MH1	104	93.635	0.522	67.9	1.6016	0.0000	SURCHARGED
180 minute summer	MH1.1	104	93.613	0.578	61.9	1.1029	0.0000	SURCHARGED
180 minute summer	NEW SW 1	104	93.599	1.960	58.8	3.4634	0.0000	SURCHARGED
180 minute summer	EX SW 1	76	91.392	0.142	58.2	0.0000	0.0000	OK
180 minute summer	MH16	96	95.697	0.057	14.3	0.1781	0.0000	OK
180 minute summer	MH14	96	95.807	0.032	4.0	0.0608	0.0000	OK
180 minute summer	MH15	100	94.867	0.149	6.8	0.4701	0.0000	OK
180 minute summer	MH17	100	94.860	0.163	19.0	0.4876	0.0000	OK
180 minute summer	MH11	96	94.868	0.068	13.0	0.2466	0.0000	OK
180 minute summer	MH12	100	94.865	0.215	26.8	0.7298	0.0000	OK
180 minute summer	MH10	100	94.866	0.221	17.7	0.8609	0.0000	OK
180 minute summer	MH13	96	94.849	0.271	65.3	0.8054	0.0000	OK
180 minute summer	MH18	104	94.111	0.111	67.4	0.3327	0.0000	OK
180 minute summer	MH19	100	94.887	0.426	146.7	1.9286	0.0000	SURCHARGED
180 minute summer	EX SW 3	104	93.359	0.092	63.6	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)
180 minute summer	MH9	1.000	MH8	17.5	0.569	0.054	1.3420	
180 minute summer	MH8	1.001	MH6	31.8	0.726	0.072	2.2505	
180 minute summer	MH7	2.000	MH6	9.4	0.279	0.022	1.4573	
180 minute summer	MH6	1.002	MH4	47.7	0.870	0.108	2.3608	
180 minute summer	MH5	3.000	MH4	6.1	0.206	0.014	1.5925	
180 minute summer	MH4	1.003	MH2	54.3	0.934	0.123	3.4738	
180 minute summer	MH3	4.000	MH2	4.4	0.140	0.010	2.3838	
180 minute summer	MH2	1.004	MH1	58.5	0.817	0.120	6.0049	
180 minute summer	MH1	1.005	MH1.1	59.6	0.997	0.464	2.0678	
180 minute summer	MH1.1	1.006	NEW SW 1	58.8	1.116	0.417	0.8406	
180 minute summer	NEW SW 1	EX1.000	EX SW 1	58.2	3.309	2.193	0.3054	252.2
180 minute summer	MH16	5.000	MH17	14.3	1.571	0.075	0.2018	
180 minute summer	MH14	6.000	MH15	4.0	1.459	0.097	0.0311	
180 minute summer	MH15	6.001	MH17	5.8	0.288	0.019	0.6119	
180 minute summer	MH17	5.001	MH19	26.1	0.359	0.053	6.3495	
180 minute summer	MH11	7.000	MH12	13.0	0.390	0.028	1.8190	
180 minute summer	MH12	7.001	MH13	23.7	0.469	0.077	3.7831	
180 minute summer	MH10	8.000	MH13	17.5	0.378	0.057	3.5813	
180 minute summer	MH13	7.002	MH19	120.6	0.743	0.149	1.4148	
180 minute summer	MH18	5.003	EX SW 3	63.6	3.652	0.356	0.1093	213.9
180 minute summer	MH19	5.002	MH18	67.4	2.506	0.146	0.2339	

Results for 100 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH9	96	93.732	0.082	13.5	0.3102	0.0000	OK
180 minute winter	MH8	96	93.647	0.094	24.5	0.3247	0.0000	OK
180 minute winter	MH7	96	93.538	0.057	7.5	0.1822	0.0000	OK
180 minute winter	MH6	96	93.536	0.128	38.8	0.3956	0.0000	OK
180 minute winter	MH5	108	93.506	0.129	5.2	0.3839	0.0000	OK
180 minute winter	MH4	108	93.506	0.177	45.5	0.4721	0.0000	OK
180 minute winter	MH3	108	93.504	0.206	3.4	0.5804	0.0000	OK
180 minute winter	MH2	108	93.503	0.258	53.5	0.7945	0.0000	OK
180 minute winter	MH1	108	93.501	0.388	59.5	1.1918	0.0000	SURCHARGED
180 minute winter	MH1.1	108	93.481	0.446	58.0	0.8510	0.0000	SURCHARGED
180 minute winter	NEW SW 1	108	93.468	1.829	56.7	3.2316	0.0000	SURCHARGED
180 minute winter	EX SW 1	68	91.392	0.142	56.5	0.0000	0.0000	OK
180 minute winter	MH16	96	95.690	0.050	11.0	0.1561	0.0000	OK
180 minute winter	MH14	96	95.804	0.028	3.1	0.0535	0.0000	OK
180 minute winter	MH15	100	94.819	0.101	5.3	0.3199	0.0000	OK
180 minute winter	MH17	104	94.818	0.121	17.6	0.3599	0.0000	OK
180 minute winter	MH11	96	94.860	0.060	10.0	0.2176	0.0000	OK
180 minute winter	MH12	100	94.817	0.167	20.6	0.5665	0.0000	OK
180 minute winter	MH10	100	94.816	0.171	13.6	0.6682	0.0000	OK
180 minute winter	MH13	104	94.837	0.259	88.5	0.7697	0.0000	OK
180 minute winter	MH18	96	94.104	0.104	58.8	0.3119	0.0000	OK
180 minute winter	MH19	108	94.838	0.377	122.7	1.7053	0.0000	SURCHARGED
180 minute winter	EX SW 3	96	93.356	0.089	59.4	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)
180 minute winter	MH9	1.000	MH8	13.5	0.527	0.042	1.1177	
180 minute winter	MH8	1.001	MH6	24.5	0.684	0.056	1.2782	
180 minute winter	MH7	2.000	MH6	7.5	0.278	0.017	0.5250	
180 minute winter	MH6	1.002	MH4	38.8	0.836	0.088	1.0511	
180 minute winter	MH5	3.000	MH4	5.2	0.238	0.012	0.6889	
180 minute winter	MH4	1.003	MH2	45.2	0.930	0.103	1.8918	
180 minute winter	MH3	4.000	MH2	3.9	0.120	0.009	1.3413	
180 minute winter	MH2	1.004	MH1	52.6	0.822	0.108	4.0790	
180 minute winter	MH1	1.005	MH1.1	56.0	0.987	0.436	2.0678	
180 minute winter	MH1.1	1.006	NEW SW 1	56.7	1.105	0.402	0.8406	
180 minute winter	NEW SW 1	EX1.000	EX SW 1	56.5	3.209	2.127	0.3054	282.8
180 minute winter	MH16	5.000	MH17	11.0	1.458	0.058	0.1673	
180 minute winter	MH14	6.000	MH15	3.1	1.357	0.075	0.0259	
180 minute winter	MH15	6.001	MH17	6.6	0.287	0.022	0.3701	
180 minute winter	MH17	5.001	MH19	22.0	0.292	0.045	5.1695	
180 minute winter	MH11	7.000	MH12	10.0	0.376	0.022	1.3315	
180 minute winter	MH12	7.001	MH13	25.0	0.473	0.082	3.1811	
180 minute winter	MH10	8.000	MH13	19.3	0.383	0.063	2.9792	
180 minute winter	MH13	7.002	MH19	101.8	0.790	0.126	1.1832	
180 minute winter	MH18	5.003	EX SW 3	59.4	3.646	0.332	0.1021	244.0
180 minute winter	MH19	5.002	MH18	58.8	2.462	0.127	0.2076	

Results for 100 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH9	124	93.735	0.085	14.8	0.3226	0.0000	OK
240 minute summer	MH8	124	93.651	0.098	26.7	0.3371	0.0000	OK
240 minute summer	MH7	124	93.542	0.061	8.2	0.1975	0.0000	OK
240 minute summer	MH6	124	93.541	0.133	41.9	0.4108	0.0000	OK
240 minute summer	MH5	132	93.512	0.135	5.6	0.4022	0.0000	OK
240 minute summer	MH4	132	93.513	0.184	48.6	0.4905	0.0000	OK
240 minute summer	MH3	132	93.512	0.214	3.7	0.6047	0.0000	OK
240 minute summer	MH2	132	93.511	0.266	56.7	0.8185	0.0000	OK
240 minute summer	MH1	132	93.508	0.395	61.3	1.2134	0.0000	SURCHARGED
240 minute summer	MH1.1	132	93.486	0.451	60.2	0.8618	0.0000	SURCHARGED
240 minute summer	NEW SW 1	132	93.473	1.834	57.2	3.2409	0.0000	SURCHARGED
240 minute summer	EX SW 1	104	91.392	0.142	56.6	0.0000	0.0000	OK
240 minute summer	MH16	124	95.692	0.052	12.1	0.1635	0.0000	OK
240 minute summer	MH14	124	95.805	0.030	3.4	0.0559	0.0000	OK
240 minute summer	MH15	128	94.822	0.104	5.8	0.3284	0.0000	OK
240 minute summer	MH17	128	94.824	0.127	17.8	0.3800	0.0000	OK
240 minute summer	MH11	124	94.863	0.063	10.9	0.2260	0.0000	OK
240 minute summer	MH12	128	94.821	0.171	22.4	0.5782	0.0000	OK
240 minute summer	MH10	128	94.818	0.173	14.9	0.6738	0.0000	OK
240 minute summer	MH13	132	94.834	0.256	62.1	0.7610	0.0000	OK
240 minute summer	MH18	124	94.104	0.104	59.9	0.3106	0.0000	OK
240 minute summer	MH19	124	94.841	0.380	125.6	1.7197	0.0000	SURCHARGED
240 minute summer	EX SW 3	124	93.354	0.087	57.1	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)
240 minute summer	MH9	1.000	MH8	14.6	0.542	0.045	1.1822	
240 minute summer	MH8	1.001	MH6	26.5	0.700	0.060	1.3490	
240 minute summer	MH7	2.000	MH6	8.1	0.278	0.019	0.5625	
240 minute summer	MH6	1.002	MH4	41.5	0.849	0.094	1.1043	
240 minute summer	MH5	3.000	MH4	5.4	0.220	0.012	0.7302	
240 minute summer	MH4	1.003	MH2	48.0	0.926	0.109	1.9777	
240 minute summer	MH3	4.000	MH2	4.5	0.135	0.010	1.4049	
240 minute summer	MH2	1.004	MH1	53.9	0.817	0.111	4.1934	
240 minute summer	MH1	1.005	MH1.1	58.1	1.000	0.452	2.0678	
240 minute summer	MH1.1	1.006	NEW SW 1	57.2	1.121	0.405	0.8406	
240 minute summer	NEW SW 1	EX1.000	EX SW 1	56.6	3.213	2.130	0.3054	271.2
240 minute summer	MH16	5.000	MH17	12.0	1.495	0.063	0.1785	
240 minute summer	MH14	6.000	MH15	3.4	1.392	0.082	0.0276	
240 minute summer	MH15	6.001	MH17	6.1	0.283	0.020	0.4001	
240 minute summer	MH17	5.001	MH19	21.7	0.325	0.044	5.1160	
240 minute summer	MH11	7.000	MH12	10.8	0.381	0.024	1.3739	
240 minute summer	MH12	7.001	MH13	24.6	0.469	0.080	3.2126	
240 minute summer	MH10	8.000	MH13	18.2	0.379	0.059	3.0171	
240 minute summer	MH13	7.002	MH19	103.9	0.738	0.128	1.1989	
240 minute summer	MH18	5.003	EX SW 3	57.1	3.634	0.319	0.1005	229.7
240 minute summer	MH19	5.002	MH18	59.9	2.469	0.130	0.2110	

Results for 100 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH9	124	93.724	0.074	11.0	0.2810	0.0000	OK
240 minute winter	MH8	124	93.638	0.085	20.0	0.2936	0.0000	OK
240 minute winter	MH7	124	93.530	0.049	6.1	0.1578	0.0000	OK
240 minute winter	MH6	124	93.522	0.114	31.5	0.3528	0.0000	OK
240 minute winter	MH5	124	93.452	0.075	4.2	0.2237	0.0000	OK
240 minute winter	MH4	124	93.452	0.123	36.9	0.3274	0.0000	OK
240 minute winter	MH3	124	93.369	0.071	2.8	0.1996	0.0000	OK
240 minute winter	MH2	124	93.369	0.124	45.3	0.3800	0.0000	OK
240 minute winter	MH1	128	93.294	0.181	51.1	0.5542	0.0000	OK
240 minute winter	MH1.1	128	93.221	0.186	52.7	0.3548	0.0000	OK
240 minute winter	NEW SW 1	128	93.172	1.533	52.6	2.7092	0.0000	SURCHARGED
240 minute winter	EX SW 1	164	91.392	0.142	52.3	0.0000	0.0000	OK
240 minute winter	MH16	124	95.685	0.045	9.0	0.1412	0.0000	OK
240 minute winter	MH14	124	95.801	0.026	2.5	0.0480	0.0000	OK
240 minute winter	MH15	132	94.779	0.061	4.3	0.1936	0.0000	OK
240 minute winter	MH17	128	94.780	0.083	13.6	0.2466	0.0000	OK
240 minute winter	MH11	124	94.855	0.055	8.1	0.1970	0.0000	OK
240 minute winter	MH12	132	94.775	0.125	16.7	0.4228	0.0000	OK
240 minute winter	MH10	132	94.771	0.126	11.1	0.4915	0.0000	OK
240 minute winter	MH13	128	94.798	0.220	69.2	0.6529	0.0000	OK
240 minute winter	MH18	120	94.090	0.090	47.9	0.2698	0.0000	OK
240 minute winter	MH19	140	94.795	0.334	106.7	1.5112	0.0000	OK
240 minute winter	EX SW 3	120	93.346	0.079	47.3	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)
240 minute winter	MH9	1.000	MH8	11.0	0.496	0.034	0.9669	
240 minute winter	MH8	1.001	MH6	19.9	0.650	0.045	1.0929	
240 minute winter	MH7	2.000	MH6	6.1	0.266	0.014	0.4406	
240 minute winter	MH6	1.002	MH4	31.4	0.800	0.071	0.7553	
240 minute winter	MH5	3.000	MH4	4.2	0.174	0.010	0.3734	
240 minute winter	MH4	1.003	MH2	36.8	0.888	0.084	0.8480	
240 minute winter	MH3	4.000	MH2	2.8	0.110	0.006	0.4016	
240 minute winter	MH2	1.004	MH1	45.2	0.814	0.093	1.4889	
240 minute winter	MH1	1.005	MH1.1	51.0	0.998	0.396	1.0022	
240 minute winter	MH1.1	1.006	NEW SW 1	52.6	1.121	0.373	0.3999	
240 minute winter	NEW SW 1	EX1.000	EX SW 1	52.3	2.972	1.970	0.3055	303.8
240 minute winter	MH16	5.000	MH17	9.0	1.376	0.047	0.1447	
240 minute winter	MH14	6.000	MH15	2.5	1.275	0.060	0.0222	
240 minute winter	MH15	6.001	MH17	4.6	0.280	0.015	0.2010	
240 minute winter	MH17	5.001	MH19	17.7	0.224	0.036	4.1426	
240 minute winter	MH11	7.000	MH12	8.1	0.367	0.018	0.9305	
240 minute winter	MH12	7.001	MH13	20.5	0.470	0.067	2.4295	
240 minute winter	MH10	8.000	MH13	15.4	0.377	0.050	2.2672	
240 minute winter	MH13	7.002	MH19	89.0	0.782	0.110	0.9678	
240 minute winter	MH18	5.003	EX SW 3	47.3	3.477	0.264	0.0854	259.6
240 minute winter	MH19	5.002	MH18	47.9	2.378	0.103	0.1750	

Results for 100 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH9	184	93.724	0.074	11.1	0.2811	0.0000	OK
360 minute summer	MH8	184	93.638	0.085	20.1	0.2932	0.0000	OK
360 minute summer	MH7	184	93.530	0.049	6.2	0.1587	0.0000	OK
360 minute summer	MH6	184	93.522	0.114	31.6	0.3522	0.0000	OK
360 minute summer	MH5	184	93.452	0.075	4.3	0.2224	0.0000	OK
360 minute summer	MH4	184	93.451	0.122	36.8	0.3262	0.0000	OK
360 minute summer	MH3	184	93.368	0.070	2.8	0.1977	0.0000	OK
360 minute summer	MH2	184	93.368	0.123	45.0	0.3780	0.0000	OK
360 minute summer	MH1	184	93.290	0.177	50.6	0.5435	0.0000	OK
360 minute summer	MH1.1	184	93.208	0.173	51.9	0.3311	0.0000	OK
360 minute summer	NEW SW 1	192	93.041	1.402	51.7	2.4780	0.0000	SURCHARGED
360 minute summer	EX SW 1	216	91.392	0.142	50.4	0.0000	0.0000	OK
360 minute summer	MH16	184	95.685	0.045	9.1	0.1417	0.0000	OK
360 minute summer	MH14	184	95.801	0.026	2.6	0.0489	0.0000	OK
360 minute summer	MH15	184	94.776	0.058	4.4	0.1845	0.0000	OK
360 minute summer	MH17	184	94.769	0.072	13.2	0.2136	0.0000	OK
360 minute summer	MH11	184	94.855	0.055	8.2	0.1975	0.0000	OK
360 minute summer	MH12	192	94.770	0.120	16.9	0.4065	0.0000	OK
360 minute summer	MH10	192	94.768	0.123	11.2	0.4796	0.0000	OK
360 minute summer	MH13	184	94.745	0.167	42.8	0.4964	0.0000	OK
360 minute summer	MH18	192	94.093	0.093	49.6	0.2773	0.0000	OK
360 minute summer	MH19	192	94.795	0.334	92.6	1.5117	0.0000	OK
360 minute summer	EX SW 3	192	93.346	0.079	48.0	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)
360 minute summer	MH9	1.000	MH8	11.0	0.497	0.034	0.9661	
360 minute summer	MH8	1.001	MH6	19.8	0.649	0.045	1.0906	
360 minute summer	MH7	2.000	MH6	6.2	0.269	0.014	0.4407	
360 minute summer	MH6	1.002	MH4	31.3	0.799	0.071	0.7524	
360 minute summer	MH5	3.000	MH4	4.2	0.145	0.010	0.3711	
360 minute summer	MH4	1.003	MH2	36.5	0.883	0.083	0.8426	
360 minute summer	MH3	4.000	MH2	2.7	0.097	0.006	0.3978	
360 minute summer	MH2	1.004	MH1	44.6	0.812	0.092	1.4632	
360 minute summer	MH1	1.005	MH1.1	50.2	0.994	0.390	0.9464	
360 minute summer	MH1.1	1.006	NEW SW 1	51.7	1.116	0.366	0.3528	
360 minute summer	NEW SW 1	EX1.000	EX SW 1	50.4	2.862	1.897	0.3055	298.8
360 minute summer	MH16	5.000	MH17	9.1	1.379	0.048	0.1455	
360 minute summer	MH14	6.000	MH15	2.6	1.288	0.062	0.0228	
360 minute summer	MH15	6.001	MH17	4.1	0.281	0.013	0.1730	
360 minute summer	MH17	5.001	MH19	15.3	0.191	0.031	4.1376	
360 minute summer	MH11	7.000	MH12	8.1	0.364	0.018	0.8770	
360 minute summer	MH12	7.001	MH13	15.0	0.471	0.049	1.8272	
360 minute summer	MH10	8.000	MH13	10.6	0.378	0.035	1.7191	
360 minute summer	MH13	7.002	MH19	77.3	0.725	0.095	0.9325	
360 minute summer	MH18	5.003	EX SW 3	48.0	3.444	0.268	0.0874	263.1
360 minute summer	MH19	5.002	MH18	49.6	2.391	0.107	0.1803	

Results for 100 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH9	184	93.714	0.064	8.1	0.2434	0.0000	OK
360 minute winter	MH8	184	93.627	0.074	14.7	0.2537	0.0000	OK
360 minute winter	MH7	184	93.524	0.043	4.5	0.1373	0.0000	OK
360 minute winter	MH6	184	93.505	0.097	23.2	0.3002	0.0000	OK
360 minute winter	MH5	184	93.434	0.057	3.1	0.1698	0.0000	OK
360 minute winter	MH4	184	93.434	0.105	27.2	0.2790	0.0000	OK
360 minute winter	MH3	184	93.350	0.052	2.0	0.1464	0.0000	OK
360 minute winter	MH2	184	93.350	0.105	33.3	0.3219	0.0000	OK
360 minute winter	MH1	184	93.262	0.149	37.6	0.4564	0.0000	OK
360 minute winter	MH1.1	184	93.182	0.147	38.7	0.2809	0.0000	OK
360 minute winter	NEW SW 1	192	92.359	0.720	38.7	1.2731	0.0000	SURCHARGED
360 minute winter	EX SW 1	152	91.392	0.142	38.6	0.0000	0.0000	OK
360 minute winter	MH16	184	95.679	0.039	6.6	0.1213	0.0000	OK
360 minute winter	MH14	184	95.797	0.022	1.9	0.0419	0.0000	OK
360 minute winter	MH15	184	94.763	0.045	3.2	0.1429	0.0000	OK
360 minute winter	MH17	184	94.755	0.058	9.8	0.1720	0.0000	OK
360 minute winter	MH11	184	94.847	0.047	6.0	0.1711	0.0000	OK
360 minute winter	MH12	184	94.737	0.087	12.4	0.2952	0.0000	OK
360 minute winter	MH10	192	94.728	0.083	8.2	0.3232	0.0000	OK
360 minute winter	MH13	160	94.711	0.133	43.8	0.3946	0.0000	OK
360 minute winter	MH18	192	94.080	0.080	38.4	0.2398	0.0000	OK
360 minute winter	MH19	184	94.750	0.289	57.1	1.3082	0.0000	OK
360 minute winter	EX SW 3	192	93.337	0.070	38.1	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)
360 minute winter	MH9	1.000	MH8	8.1	0.452	0.025	0.7811	
360 minute winter	MH8	1.001	MH6	14.6	0.599	0.033	0.8723	
360 minute winter	MH7	2.000	MH6	4.5	0.247	0.010	0.3510	
360 minute winter	MH6	1.002	MH4	23.2	0.744	0.053	0.5989	
360 minute winter	MH5	3.000	MH4	3.1	0.143	0.007	0.2807	
360 minute winter	MH4	1.003	MH2	27.1	0.826	0.062	0.6704	
360 minute winter	MH3	4.000	MH2	2.0	0.096	0.005	0.2968	
360 minute winter	MH2	1.004	MH1	33.3	0.769	0.068	1.1507	
360 minute winter	MH1	1.005	MH1.1	37.5	0.930	0.292	0.7565	
360 minute winter	MH1.1	1.006	NEW SW 1	38.7	1.036	0.274	0.2848	
360 minute winter	NEW SW 1	EX1.000	EX SW 1	38.6	2.191	1.452	0.3055	334.7
360 minute winter	MH16	5.000	MH17	6.6	1.257	0.035	0.1162	
360 minute winter	MH14	6.000	MH15	1.9	1.178	0.046	0.0183	
360 minute winter	MH15	6.001	MH17	3.2	0.276	0.010	0.1226	
360 minute winter	MH17	5.001	MH19	9.8	0.196	0.020	3.4054	
360 minute winter	MH11	7.000	MH12	6.0	0.354	0.013	0.6028	
360 minute winter	MH12	7.001	MH13	13.1	0.453	0.043	1.1869	
360 minute winter	MH10	8.000	MH13	9.1	0.360	0.030	1.0597	
360 minute winter	MH13	7.002	MH19	49.5	0.710	0.061	0.7325	
360 minute winter	MH18	5.003	EX SW 3	38.1	3.282	0.213	0.0729	294.1
360 minute winter	MH19	5.002	MH18	38.4	2.275	0.083	0.1467	

Results for 100 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH9	248	93.717	0.067	8.7	0.2522	0.0000	OK
480 minute summer	MH8	248	93.629	0.076	15.8	0.2631	0.0000	OK
480 minute summer	MH7	248	93.525	0.044	4.9	0.1427	0.0000	OK
480 minute summer	MH6	248	93.509	0.101	25.1	0.3131	0.0000	OK
480 minute summer	MH5	248	93.439	0.062	3.3	0.1829	0.0000	OK
480 minute summer	MH4	248	93.438	0.109	29.4	0.2908	0.0000	OK
480 minute summer	MH3	248	93.354	0.056	2.2	0.1595	0.0000	OK
480 minute summer	MH2	248	93.354	0.109	36.1	0.3362	0.0000	OK
480 minute summer	MH1	248	93.269	0.156	40.8	0.4793	0.0000	OK
480 minute summer	MH1.1	248	93.189	0.154	42.1	0.2945	0.0000	OK
480 minute summer	NEW SW 1	248	92.542	0.903	42.1	1.5948	0.0000	SURCHARGED
480 minute summer	EX SW 1	224	91.392	0.142	42.0	0.0000	0.0000	OK
480 minute summer	MH16	248	95.680	0.040	7.1	0.1257	0.0000	OK
480 minute summer	MH14	248	95.798	0.023	2.0	0.0430	0.0000	OK
480 minute summer	MH15	248	94.765	0.047	3.4	0.1497	0.0000	OK
480 minute summer	MH17	248	94.757	0.060	10.5	0.1798	0.0000	OK
480 minute summer	MH11	248	94.849	0.049	6.5	0.1778	0.0000	OK
480 minute summer	MH12	248	94.742	0.092	13.4	0.3106	0.0000	OK
480 minute summer	MH10	248	94.735	0.090	8.8	0.3497	0.0000	OK
480 minute summer	MH13	240	94.741	0.163	29.1	0.4854	0.0000	OK
480 minute summer	MH18	256	94.081	0.081	39.7	0.2426	0.0000	OK
480 minute summer	MH19	256	94.753	0.292	82.5	1.3228	0.0000	OK
480 minute summer	EX SW 3	256	93.338	0.071	38.7	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)
480 minute summer	MH9	1.000	MH8	8.7	0.461	0.027	0.8228	
480 minute summer	MH8	1.001	MH6	15.8	0.610	0.036	0.9241	
480 minute summer	MH7	2.000	MH6	4.9	0.254	0.011	0.3729	
480 minute summer	MH6	1.002	MH4	25.1	0.759	0.057	0.6364	
480 minute summer	MH5	3.000	MH4	3.3	0.144	0.008	0.3026	
480 minute summer	MH4	1.003	MH2	29.4	0.841	0.067	0.7131	
480 minute summer	MH3	4.000	MH2	2.2	0.096	0.005	0.3219	
480 minute summer	MH2	1.004	MH1	36.1	0.782	0.074	1.2305	
480 minute summer	MH1	1.005	MH1.1	40.8	0.948	0.317	0.8069	
480 minute summer	MH1.1	1.006	NEW SW 1	42.1	1.059	0.298	0.3031	
480 minute summer	NEW SW 1	EX1.000	EX SW 1	42.0	2.388	1.583	0.3054	319.5
480 minute summer	MH16	5.000	MH17	7.1	1.285	0.037	0.1225	
480 minute summer	MH14	6.000	MH15	2.0	1.197	0.048	0.0189	
480 minute summer	MH15	6.001	MH17	3.4	0.279	0.011	0.1312	
480 minute summer	MH17	5.001	MH19	10.7	0.185	0.022	3.4412	
480 minute summer	MH11	7.000	MH12	6.5	0.365	0.014	0.6451	
480 minute summer	MH12	7.001	MH13	14.6	0.460	0.048	1.5707	
480 minute summer	MH10	8.000	MH13	10.8	0.365	0.035	1.4519	
480 minute summer	MH13	7.002	MH19	71.8	0.780	0.089	0.7871	
480 minute summer	MH18	5.003	EX SW 3	38.7	3.286	0.216	0.0739	273.7
480 minute summer	MH19	5.002	MH18	39.7	2.293	0.086	0.1505	

Results for 100 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH9	248	93.708	0.058	6.5	0.2194	0.0000	OK
480 minute winter	MH8	248	93.620	0.067	11.8	0.2294	0.0000	OK
480 minute winter	MH7	248	93.520	0.039	3.6	0.1242	0.0000	OK
480 minute winter	MH6	248	93.495	0.087	18.7	0.2682	0.0000	OK
480 minute winter	MH5	248	93.423	0.046	2.5	0.1374	0.0000	OK
480 minute winter	MH4	248	93.423	0.094	21.9	0.2497	0.0000	OK
480 minute winter	MH3	248	93.339	0.041	1.6	0.1164	0.0000	OK
480 minute winter	MH2	248	93.339	0.094	26.9	0.2891	0.0000	OK
480 minute winter	MH1	248	93.245	0.132	30.4	0.4045	0.0000	OK
480 minute winter	MH1.1	248	93.166	0.131	31.4	0.2503	0.0000	OK
480 minute winter	NEW SW 1	248	92.033	0.394	31.4	0.6963	0.0000	SURCHARGED
480 minute winter	EX SW 1	272	91.392	0.142	31.4	0.0000	0.0000	OK
480 minute winter	MH16	248	95.675	0.035	5.3	0.1091	0.0000	OK
480 minute winter	MH14	248	95.795	0.020	1.5	0.0373	0.0000	OK
480 minute winter	MH15	248	94.757	0.039	2.5	0.1248	0.0000	OK
480 minute winter	MH17	248	94.749	0.052	7.8	0.1550	0.0000	OK
480 minute winter	MH11	248	94.843	0.043	4.8	0.1547	0.0000	OK
480 minute winter	MH12	248	94.723	0.073	9.9	0.2473	0.0000	OK
480 minute winter	MH10	256	94.708	0.063	6.5	0.2447	0.0000	OK
480 minute winter	MH13	248	94.700	0.122	31.7	0.3617	0.0000	OK
480 minute winter	MH18	256	94.070	0.070	31.0	0.2092	0.0000	OK
480 minute winter	MH19	256	94.716	0.255	56.5	1.1528	0.0000	OK
480 minute winter	EX SW 3	256	93.329	0.062	30.0	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)
480 minute winter	MH9	1.000	MH8	6.5	0.422	0.020	0.6714	
480 minute winter	MH8	1.001	MH6	11.8	0.565	0.027	0.7446	
480 minute winter	MH7	2.000	MH6	3.6	0.232	0.008	0.2987	
480 minute winter	MH6	1.002	MH4	18.7	0.706	0.042	0.5093	
480 minute winter	MH5	3.000	MH4	2.5	0.142	0.006	0.2291	
480 minute winter	MH4	1.003	MH2	21.9	0.781	0.050	0.5722	
480 minute winter	MH3	4.000	MH2	1.6	0.095	0.004	0.2426	
480 minute winter	MH2	1.004	MH1	26.9	0.734	0.055	0.9749	
480 minute winter	MH1	1.005	MH1.1	30.4	0.884	0.236	0.6449	
480 minute winter	MH1.1	1.006	NEW SW 1	31.4	0.980	0.223	0.2443	
480 minute winter	NEW SW 1	EX1.000	EX SW 1	31.4	1.783	1.182	0.3056	358.0
480 minute winter	MH16	5.000	MH17	5.3	1.178	0.028	0.0998	
480 minute winter	MH14	6.000	MH15	1.5	1.100	0.036	0.0155	
480 minute winter	MH15	6.001	MH17	2.5	0.258	0.008	0.1025	
480 minute winter	MH17	5.001	MH19	7.8	0.183	0.016	2.8854	
480 minute winter	MH11	7.000	MH12	4.8	0.347	0.011	0.4806	
480 minute winter	MH12	7.001	MH13	10.1	0.459	0.033	1.0803	
480 minute winter	MH10	8.000	MH13	7.0	0.367	0.023	0.9375	
480 minute winter	MH13	7.002	MH19	48.7	0.716	0.060	0.5932	
480 minute winter	MH18	5.003	EX SW 3	30.0	3.097	0.168	0.0609	308.1
480 minute winter	MH19	5.002	MH18	31.0	2.179	0.067	0.1236	

Results for 100 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH9	315	93.710	0.060	7.1	0.2287	0.0000	OK
600 minute summer	MH8	315	93.622	0.069	12.9	0.2391	0.0000	OK
600 minute summer	MH7	315	93.522	0.041	4.0	0.1304	0.0000	OK
600 minute summer	MH6	315	93.499	0.091	20.5	0.2814	0.0000	OK
600 minute summer	MH5	315	93.428	0.051	2.7	0.1505	0.0000	OK
600 minute summer	MH4	315	93.427	0.098	24.0	0.2616	0.0000	OK
600 minute summer	MH3	315	93.344	0.046	1.8	0.1285	0.0000	OK
600 minute summer	MH2	315	93.343	0.098	29.5	0.3023	0.0000	OK
600 minute summer	MH1	315	93.252	0.139	33.3	0.4260	0.0000	OK
600 minute summer	MH1.1	315	93.173	0.138	34.4	0.2632	0.0000	OK
600 minute summer	NEW SW 1	315	92.162	0.523	34.4	0.9236	0.0000	SURCHARGED
600 minute summer	EX SW 1	300	91.392	0.142	34.4	0.0000	0.0000	OK
600 minute summer	MH16	315	95.676	0.036	5.8	0.1139	0.0000	OK
600 minute summer	MH14	315	95.796	0.021	1.6	0.0385	0.0000	OK
600 minute summer	MH15	315	94.759	0.041	2.7	0.1307	0.0000	OK
600 minute summer	MH17	315	94.751	0.054	8.5	0.1613	0.0000	OK
600 minute summer	MH11	315	94.845	0.045	5.3	0.1618	0.0000	OK
600 minute summer	MH12	315	94.729	0.079	10.9	0.2672	0.0000	OK
600 minute summer	MH10	315	94.716	0.071	7.2	0.2767	0.0000	OK
600 minute summer	MH13	300	94.715	0.137	33.3	0.4086	0.0000	OK
600 minute summer	MH18	315	94.073	0.073	33.8	0.2176	0.0000	OK
600 minute summer	MH19	315	94.732	0.271	41.1	1.2253	0.0000	OK
600 minute summer	EX SW 3	315	93.331	0.064	31.9	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)
600 minute summer	MH9	1.000	MH8	7.1	0.435	0.022	0.7145	
600 minute summer	MH8	1.001	MH6	12.9	0.579	0.029	0.7955	
600 minute summer	MH7	2.000	MH6	4.0	0.242	0.009	0.3202	
600 minute summer	MH6	1.002	MH4	20.5	0.723	0.047	0.5455	
600 minute summer	MH5	3.000	MH4	2.7	0.138	0.006	0.2497	
600 minute summer	MH4	1.003	MH2	24.0	0.800	0.054	0.6119	
600 minute summer	MH3	4.000	MH2	1.8	0.095	0.004	0.2644	
600 minute summer	MH2	1.004	MH1	29.5	0.751	0.061	1.0467	
600 minute summer	MH1	1.005	MH1.1	33.3	0.903	0.259	0.6913	
600 minute summer	MH1.1	1.006	NEW SW 1	34.4	1.004	0.244	0.2613	
600 minute summer	NEW SW 1	EX1.000	EX SW 1	34.4	1.954	1.295	0.3054	337.7
600 minute summer	MH16	5.000	MH17	5.8	1.210	0.031	0.1063	
600 minute summer	MH14	6.000	MH15	1.6	1.121	0.039	0.0162	
600 minute summer	MH15	6.001	MH17	2.7	0.260	0.009	0.1094	
600 minute summer	MH17	5.001	MH19	8.5	0.175	0.017	3.1248	
600 minute summer	MH11	7.000	MH12	5.3	0.358	0.012	0.5304	
600 minute summer	MH12	7.001	MH13	10.9	0.456	0.036	1.2400	
600 minute summer	MH10	8.000	MH13	7.3	0.363	0.024	1.0828	
600 minute summer	MH13	7.002	MH19	32.6	0.482	0.040	0.6576	
600 minute summer	MH18	5.003	EX SW 3	31.9	3.134	0.178	0.0639	292.4
600 minute summer	MH19	5.002	MH18	33.8	2.223	0.073	0.1323	

Results for 100 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH9	315	93.703	0.053	5.4	0.2013	0.0000	OK
600 minute winter	MH8	315	93.614	0.061	9.8	0.2098	0.0000	OK
600 minute winter	MH7	315	93.516	0.035	3.0	0.1137	0.0000	OK
600 minute winter	MH6	315	93.487	0.079	15.5	0.2435	0.0000	OK
600 minute winter	MH5	315	93.415	0.038	2.1	0.1126	0.0000	OK
600 minute winter	MH4	315	93.414	0.085	18.2	0.2272	0.0000	OK
600 minute winter	MH3	315	93.331	0.033	1.4	0.0941	0.0000	OK
600 minute winter	MH2	315	93.331	0.086	22.4	0.2645	0.0000	OK
600 minute winter	MH1	315	93.232	0.119	25.3	0.3650	0.0000	OK
600 minute winter	MH1.1	315	93.154	0.119	26.1	0.2263	0.0000	OK
600 minute winter	NEW SW 1	315	91.775	0.136	26.1	0.2409	0.0000	OK
600 minute winter	EX SW 1	315	91.390	0.140	26.1	0.0000	0.0000	OK
600 minute winter	MH16	315	95.672	0.032	4.4	0.0998	0.0000	OK
600 minute winter	MH14	300	95.793	0.018	1.2	0.0335	0.0000	OK
600 minute winter	MH15	315	94.754	0.036	2.1	0.1129	0.0000	OK
600 minute winter	MH17	315	94.745	0.048	6.5	0.1422	0.0000	OK
600 minute winter	MH11	315	94.840	0.040	4.0	0.1427	0.0000	OK
600 minute winter	MH12	315	94.717	0.067	8.3	0.2267	0.0000	OK
600 minute winter	MH10	315	94.700	0.055	5.5	0.2145	0.0000	OK
600 minute winter	MH13	315	94.686	0.108	19.7	0.3208	0.0000	OK
600 minute winter	MH18	300	94.058	0.058	20.6	0.1734	0.0000	OK
600 minute winter	MH19	270	94.664	0.203	29.9	0.9164	0.0000	OK
600 minute winter	EX SW 3	300	93.320	0.053	22.2	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)
600 minute winter	MH9	1.000	MH8	5.4	0.400	0.017	0.5894	
600 minute winter	MH8	1.001	MH6	9.8	0.538	0.022	0.6492	
600 minute winter	MH7	2.000	MH6	3.0	0.222	0.007	0.2600	
600 minute winter	MH6	1.002	MH4	15.5	0.672	0.035	0.4431	
600 minute winter	MH5	3.000	MH4	2.1	0.139	0.005	0.1920	
600 minute winter	MH4	1.003	MH2	18.2	0.741	0.041	0.5014	
600 minute winter	MH3	4.000	MH2	1.4	0.097	0.003	0.2053	
600 minute winter	MH2	1.004	MH1	22.4	0.703	0.046	0.8480	
600 minute winter	MH1	1.005	MH1.1	25.3	0.846	0.197	0.5608	
600 minute winter	MH1.1	1.006	NEW SW 1	26.1	0.933	0.185	0.2133	
600 minute winter	NEW SW 1	EX1.000	EX SW 1	26.1	1.632	0.983	0.2972	377.5
600 minute winter	MH16	5.000	MH17	4.4	1.115	0.023	0.0875	
600 minute winter	MH14	6.000	MH15	1.2	1.028	0.029	0.0132	
600 minute winter	MH15	6.001	MH17	2.1	0.249	0.007	0.0899	
600 minute winter	MH17	5.001	MH19	6.5	0.159	0.013	2.1412	
600 minute winter	MH11	7.000	MH12	4.0	0.329	0.009	0.4223	
600 minute winter	MH12	7.001	MH13	8.4	0.461	0.027	0.9215	
600 minute winter	MH10	8.000	MH13	5.5	0.367	0.018	0.7882	
600 minute winter	MH13	7.002	MH19	24.7	0.541	0.030	0.4846	
600 minute winter	MH18	5.003	EX SW 3	22.2	2.907	0.124	0.0479	318.7
600 minute winter	MH19	5.002	MH18	20.6	1.983	0.044	0.0910	

Results for 100 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH9	375	93.707	0.057	6.3	0.2162	0.0000	OK
720 minute summer	MH8	375	93.619	0.066	11.4	0.2257	0.0000	OK
720 minute summer	MH7	375	93.519	0.038	3.5	0.1225	0.0000	OK
720 minute summer	MH6	375	93.493	0.085	18.1	0.2637	0.0000	OK
720 minute summer	MH5	375	93.422	0.045	2.4	0.1329	0.0000	OK
720 minute summer	MH4	375	93.421	0.092	21.2	0.2456	0.0000	OK
720 minute summer	MH3	375	93.338	0.040	1.6	0.1126	0.0000	OK
720 minute summer	MH2	375	93.338	0.093	26.1	0.2849	0.0000	OK
720 minute summer	MH1	375	93.243	0.130	29.5	0.3977	0.0000	OK
720 minute summer	MH1.1	375	93.164	0.129	30.5	0.2463	0.0000	OK
720 minute summer	NEW SW 1	375	91.997	0.358	30.5	0.6327	0.0000	SURCHARGED
720 minute summer	EX SW 1	360	91.392	0.142	30.5	0.0000	0.0000	OK
720 minute summer	MH16	375	95.674	0.034	5.1	0.1072	0.0000	OK
720 minute summer	MH14	375	95.794	0.019	1.4	0.0361	0.0000	OK
720 minute summer	MH15	375	94.757	0.039	2.4	0.1219	0.0000	OK
720 minute summer	MH17	375	94.748	0.051	7.5	0.1521	0.0000	OK
720 minute summer	MH11	375	94.843	0.043	4.7	0.1532	0.0000	OK
720 minute summer	MH12	375	94.722	0.072	9.7	0.2451	0.0000	OK
720 minute summer	MH10	375	94.706	0.061	6.4	0.2375	0.0000	OK
720 minute summer	MH13	360	94.698	0.120	31.5	0.3583	0.0000	OK
720 minute summer	MH18	375	94.066	0.066	25.4	0.1958	0.0000	OK
720 minute summer	MH19	390	94.689	0.228	42.2	1.0323	0.0000	OK
720 minute summer	EX SW 3	375	93.327	0.060	27.6	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)
720 minute summer	MH9	1.000	MH8	6.3	0.419	0.020	0.6560	
720 minute summer	MH8	1.001	MH6	11.4	0.559	0.026	0.7266	
720 minute summer	MH7	2.000	MH6	3.5	0.232	0.008	0.2918	
720 minute summer	MH6	1.002	MH4	18.1	0.700	0.041	0.4970	
720 minute summer	MH5	3.000	MH4	2.4	0.143	0.006	0.2222	
720 minute summer	MH4	1.003	MH2	21.2	0.774	0.048	0.5592	
720 minute summer	MH3	4.000	MH2	1.6	0.096	0.004	0.2358	
720 minute summer	MH2	1.004	MH1	26.1	0.729	0.054	0.9529	
720 minute summer	MH1	1.005	MH1.1	29.5	0.877	0.229	0.6307	
720 minute summer	MH1.1	1.006	NEW SW 1	30.5	0.972	0.216	0.2392	
720 minute summer	NEW SW 1	EX1.000	EX SW 1	30.5	1.733	1.148	0.3054	351.8
720 minute summer	MH16	5.000	MH17	5.1	1.165	0.027	0.0971	
720 minute summer	MH14	6.000	MH15	1.4	1.077	0.034	0.0147	
720 minute summer	MH15	6.001	MH17	2.4	0.254	0.008	0.0996	
720 minute summer	MH17	5.001	MH19	7.5	0.165	0.015	2.4963	
720 minute summer	MH11	7.000	MH12	4.7	0.346	0.010	0.4741	
720 minute summer	MH12	7.001	MH13	9.9	0.459	0.032	1.0599	
720 minute summer	MH10	8.000	MH13	6.8	0.364	0.022	0.9123	
720 minute summer	MH13	7.002	MH19	35.8	0.644	0.044	0.5648	
720 minute summer	MH18	5.003	EX SW 3	27.6	3.072	0.155	0.0564	295.9
720 minute summer	MH19	5.002	MH18	25.4	2.078	0.055	0.1071	

Results for 100 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH9	375	93.700	0.050	4.7	0.1885	0.0000	OK
720 minute winter	MH8	375	93.610	0.057	8.6	0.1972	0.0000	OK
720 minute winter	MH7	375	93.514	0.033	2.6	0.1063	0.0000	OK
720 minute winter	MH6	375	93.482	0.074	13.6	0.2279	0.0000	OK
720 minute winter	MH5	375	93.409	0.032	1.8	0.0963	0.0000	OK
720 minute winter	MH4	375	93.409	0.080	15.9	0.2123	0.0000	OK
720 minute winter	MH3	375	93.326	0.028	1.2	0.0793	0.0000	OK
720 minute winter	MH2	375	93.326	0.081	19.6	0.2482	0.0000	OK
720 minute winter	MH1	375	93.223	0.110	22.1	0.3388	0.0000	OK
720 minute winter	MH1.1	375	93.145	0.110	22.8	0.2104	0.0000	OK
720 minute winter	NEW SW 1	375	91.755	0.116	22.8	0.2052	0.0000	OK
720 minute winter	EX SW 1	375	91.357	0.107	22.8	0.0000	0.0000	OK
720 minute winter	MH16	375	95.670	0.030	3.9	0.0941	0.0000	OK
720 minute winter	MH14	375	95.792	0.017	1.1	0.0322	0.0000	OK
720 minute winter	MH15	375	94.752	0.034	1.9	0.1066	0.0000	OK
720 minute winter	MH17	375	94.742	0.045	5.8	0.1350	0.0000	OK
720 minute winter	MH11	375	94.837	0.037	3.5	0.1337	0.0000	OK
720 minute winter	MH12	360	94.713	0.063	7.2	0.2122	0.0000	OK
720 minute winter	MH10	375	94.697	0.052	4.8	0.2012	0.0000	OK
720 minute winter	MH13	375	94.670	0.092	14.1	0.2724	0.0000	OK
720 minute winter	MH18	360	94.057	0.057	21.6	0.1714	0.0000	OK
720 minute winter	MH19	360	94.670	0.209	33.1	0.9466	0.0000	OK
720 minute winter	EX SW 3	360	93.319	0.052	21.2	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)
720 minute winter	MH9	1.000	MH8	4.7	0.383	0.015	0.5371	
720 minute winter	MH8	1.001	MH6	8.6	0.520	0.020	0.5909	
720 minute winter	MH7	2.000	MH6	2.6	0.213	0.006	0.2361	
720 minute winter	MH6	1.002	MH4	13.6	0.651	0.031	0.4018	
720 minute winter	MH5	3.000	MH4	1.8	0.138	0.004	0.1689	
720 minute winter	MH4	1.003	MH2	15.9	0.713	0.036	0.4551	
720 minute winter	MH3	4.000	MH2	1.2	0.097	0.003	0.1811	
720 minute winter	MH2	1.004	MH1	19.6	0.681	0.040	0.7661	
720 minute winter	MH1	1.005	MH1.1	22.1	0.819	0.172	0.5062	
720 minute winter	MH1.1	1.006	NEW SW 1	22.8	0.900	0.162	0.1932	
720 minute winter	NEW SW 1	EX1.000	EX SW 1	22.8	1.624	0.858	0.2459	393.7
720 minute winter	MH16	5.000	MH17	3.9	1.076	0.021	0.0804	
720 minute winter	MH14	6.000	MH15	1.1	1.002	0.027	0.0124	
720 minute winter	MH15	6.001	MH17	1.9	0.245	0.006	0.0830	
720 minute winter	MH17	5.001	MH19	5.8	0.152	0.012	2.2287	
720 minute winter	MH11	7.000	MH12	3.5	0.317	0.008	0.3841	
720 minute winter	MH12	7.001	MH13	7.3	0.456	0.024	0.7629	
720 minute winter	MH10	8.000	MH13	4.8	0.365	0.016	0.6473	
720 minute winter	MH13	7.002	MH19	27.7	0.597	0.034	0.4383	
720 minute winter	MH18	5.003	EX SW 3	21.2	2.850	0.119	0.0467	338.2
720 minute winter	MH19	5.002	MH18	21.6	2.013	0.047	0.0934	

Results for 100 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH9	495	93.702	0.052	5.1	0.1959	0.0000	OK
960 minute summer	MH8	495	93.612	0.059	9.3	0.2046	0.0000	OK
960 minute summer	MH7	495	93.516	0.035	2.9	0.1119	0.0000	OK
960 minute summer	MH6	495	93.485	0.077	14.8	0.2379	0.0000	OK
960 minute summer	MH5	495	93.413	0.036	2.0	0.1070	0.0000	OK
960 minute summer	MH4	495	93.412	0.083	17.4	0.2221	0.0000	OK
960 minute summer	MH3	495	93.329	0.031	1.3	0.0888	0.0000	OK
960 minute summer	MH2	495	93.329	0.084	21.4	0.2588	0.0000	OK
960 minute summer	MH1	495	93.229	0.116	24.1	0.3554	0.0000	OK
960 minute summer	MH1.1	495	93.151	0.116	24.9	0.2207	0.0000	OK
960 minute summer	NEW SW 1	495	91.766	0.127	24.9	0.2251	0.0000	OK
960 minute summer	EX SW 1	495	91.365	0.115	24.9	0.0000	0.0000	OK
960 minute summer	MH16	495	95.671	0.031	4.2	0.0976	0.0000	OK
960 minute summer	MH14	495	95.793	0.018	1.2	0.0335	0.0000	OK
960 minute summer	MH15	495	94.753	0.035	2.0	0.1099	0.0000	OK
960 minute summer	MH17	495	94.744	0.047	6.2	0.1392	0.0000	OK
960 minute summer	MH11	495	94.839	0.039	3.8	0.1392	0.0000	OK
960 minute summer	MH12	495	94.715	0.065	7.8	0.2200	0.0000	OK
960 minute summer	MH10	495	94.699	0.054	5.2	0.2090	0.0000	OK
960 minute summer	MH13	495	94.678	0.100	17.0	0.2969	0.0000	OK
960 minute summer	MH18	510	94.055	0.055	20.1	0.1646	0.0000	OK
960 minute summer	MH19	480	94.666	0.205	41.0	0.9296	0.0000	OK
960 minute summer	EX SW 3	510	93.318	0.051	20.1	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)
960 minute summer	MH9	1.000	MH8	5.1	0.392	0.016	0.5676	
960 minute summer	MH8	1.001	MH6	9.3	0.529	0.021	0.6270	
960 minute summer	MH7	2.000	MH6	2.9	0.222	0.007	0.2521	
960 minute summer	MH6	1.002	MH4	14.8	0.664	0.034	0.4286	
960 minute summer	MH5	3.000	MH4	2.0	0.139	0.005	0.1841	
960 minute summer	MH4	1.003	MH2	17.4	0.732	0.040	0.4853	
960 minute summer	MH3	4.000	MH2	1.3	0.097	0.003	0.1968	
960 minute summer	MH2	1.004	MH1	21.4	0.696	0.044	0.8183	
960 minute summer	MH1	1.005	MH1.1	24.1	0.836	0.187	0.5407	
960 minute summer	MH1.1	1.006	NEW SW 1	24.9	0.921	0.177	0.2060	
960 minute summer	NEW SW 1	EX1.000	EX SW 1	24.9	1.633	0.938	0.2668	377.1
960 minute summer	MH16	5.000	MH17	4.2	1.099	0.022	0.0847	
960 minute summer	MH14	6.000	MH15	1.2	1.028	0.029	0.0132	
960 minute summer	MH15	6.001	MH17	2.0	0.246	0.007	0.0869	
960 minute summer	MH17	5.001	MH19	6.2	0.154	0.013	2.1892	
960 minute summer	MH11	7.000	MH12	3.8	0.325	0.008	0.4053	
960 minute summer	MH12	7.001	MH13	7.8	0.459	0.026	0.8435	
960 minute summer	MH10	8.000	MH13	5.2	0.363	0.017	0.7192	
960 minute summer	MH13	7.002	MH19	34.9	0.672	0.043	0.4651	
960 minute summer	MH18	5.003	EX SW 3	20.1	2.829	0.112	0.0446	319.5
960 minute summer	MH19	5.002	MH18	20.1	1.982	0.043	0.0880	

Results for 100 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH9	495	93.695	0.045	3.8	0.1708	0.0000	OK
960 minute winter	MH8	495	93.605	0.052	6.9	0.1780	0.0000	OK
960 minute winter	MH7	480	93.511	0.030	2.1	0.0963	0.0000	OK
960 minute winter	MH6	495	93.474	0.066	10.9	0.2040	0.0000	OK
960 minute winter	MH5	495	93.403	0.026	1.5	0.0767	0.0000	OK
960 minute winter	MH4	495	93.401	0.072	12.8	0.1905	0.0000	OK
960 minute winter	MH3	495	93.319	0.021	1.0	0.0605	0.0000	OK
960 minute winter	MH2	495	93.318	0.073	15.8	0.2240	0.0000	OK
960 minute winter	MH1	495	93.211	0.098	17.8	0.3014	0.0000	OK
960 minute winter	MH1.1	495	93.133	0.098	18.4	0.1877	0.0000	OK
960 minute winter	NEW SW 1	495	91.737	0.098	18.4	0.1728	0.0000	OK
960 minute winter	EX SW 1	495	91.342	0.092	18.4	0.0000	0.0000	OK
960 minute winter	MH16	495	95.667	0.027	3.1	0.0844	0.0000	OK
960 minute winter	MH14	480	95.791	0.016	0.9	0.0292	0.0000	OK
960 minute winter	MH15	480	94.748	0.030	1.5	0.0949	0.0000	OK
960 minute winter	MH17	495	94.738	0.041	4.6	0.1217	0.0000	OK
960 minute winter	MH11	480	94.833	0.033	2.8	0.1202	0.0000	OK
960 minute winter	MH12	465	94.708	0.058	5.8	0.1966	0.0000	OK
960 minute winter	MH10	480	94.691	0.046	3.8	0.1803	0.0000	OK
960 minute winter	MH13	480	94.633	0.055	11.1	0.1625	0.0000	OK
960 minute winter	MH18	495	94.049	0.049	16.2	0.1478	0.0000	OK
960 minute winter	MH19	495	94.640	0.179	17.3	0.8094	0.0000	OK
960 minute winter	EX SW 3	495	93.313	0.046	16.3	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)
960 minute winter	MH9	1.000	MH8	3.8	0.359	0.012	0.4621	
960 minute winter	MH8	1.001	MH6	6.9	0.488	0.016	0.5028	
960 minute winter	MH7	2.000	MH6	2.1	0.203	0.005	0.2007	
960 minute winter	MH6	1.002	MH4	10.9	0.613	0.025	0.3418	
960 minute winter	MH5	3.000	MH4	1.5	0.140	0.003	0.1387	
960 minute winter	MH4	1.003	MH2	12.8	0.669	0.029	0.3903	
960 minute winter	MH3	4.000	MH2	1.0	0.098	0.002	0.1496	
960 minute winter	MH2	1.004	MH1	15.8	0.644	0.033	0.6520	
960 minute winter	MH1	1.005	MH1.1	17.8	0.775	0.138	0.4305	
960 minute winter	MH1.1	1.006	NEW SW 1	18.4	0.849	0.130	0.1652	
960 minute winter	NEW SW 1	EX1.000	EX SW 1	18.4	1.570	0.693	0.2054	423.1
960 minute winter	MH16	5.000	MH17	3.1	1.007	0.016	0.0683	
960 minute winter	MH14	6.000	MH15	0.9	0.944	0.022	0.0108	
960 minute winter	MH15	6.001	MH17	1.5	0.227	0.005	0.0702	
960 minute winter	MH17	5.001	MH19	4.6	0.134	0.009	1.8066	
960 minute winter	MH11	7.000	MH12	2.8	0.291	0.006	0.3388	
960 minute winter	MH12	7.001	MH13	5.8	0.457	0.019	0.4755	
960 minute winter	MH10	8.000	MH13	3.8	0.365	0.012	0.3776	
960 minute winter	MH13	7.002	MH19	12.8	0.353	0.016	0.3476	
960 minute winter	MH18	5.003	EX SW 3	16.3	2.667	0.091	0.0383	361.8
960 minute winter	MH19	5.002	MH18	16.2	1.877	0.035	0.0752	

Results for 100 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH9	750	93.695	0.045	3.7	0.1687	0.0000	OK
1440 minute summer	MH8	750	93.604	0.051	6.7	0.1755	0.0000	OK
1440 minute summer	MH7	750	93.511	0.030	2.1	0.0963	0.0000	OK
1440 minute summer	MH6	750	93.473	0.065	10.7	0.2022	0.0000	OK
1440 minute summer	MH5	750	93.402	0.025	1.4	0.0743	0.0000	OK
1440 minute summer	MH4	750	93.400	0.071	12.5	0.1883	0.0000	OK
1440 minute summer	MH3	750	93.318	0.020	0.9	0.0577	0.0000	OK
1440 minute summer	MH2	750	93.317	0.072	15.3	0.2206	0.0000	OK
1440 minute summer	MH1	750	93.210	0.097	17.3	0.2969	0.0000	OK
1440 minute summer	MH1.1	750	93.132	0.097	17.9	0.1850	0.0000	OK
1440 minute summer	NEW SW 1	750	91.735	0.096	17.9	0.1694	0.0000	OK
1440 minute summer	EX SW 1	750	91.340	0.090	17.9	0.0000	0.0000	OK
1440 minute summer	MH16	750	95.667	0.027	3.0	0.0831	0.0000	OK
1440 minute summer	MH14	750	95.790	0.015	0.8	0.0276	0.0000	OK
1440 minute summer	MH15	750	94.747	0.029	1.4	0.0920	0.0000	OK
1440 minute summer	MH17	750	94.737	0.040	4.4	0.1193	0.0000	OK
1440 minute summer	MH11	750	94.833	0.033	2.7	0.1182	0.0000	OK
1440 minute summer	MH12	720	94.708	0.058	5.6	0.1963	0.0000	OK
1440 minute summer	MH10	750	94.691	0.046	3.7	0.1781	0.0000	OK
1440 minute summer	MH13	750	94.631	0.053	10.9	0.1578	0.0000	OK
1440 minute summer	MH18	720	94.047	0.047	14.9	0.1409	0.0000	OK
1440 minute summer	MH19	750	94.633	0.172	17.9	0.7777	0.0000	OK
1440 minute summer	EX SW 3	720	93.311	0.044	14.9	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)
1440 minute summer	MH9	1.000	MH8	3.7	0.356	0.011	0.4533	
1440 minute summer	MH8	1.001	MH6	6.7	0.481	0.015	0.4950	
1440 minute summer	MH7	2.000	MH6	2.1	0.203	0.005	0.1988	
1440 minute summer	MH6	1.002	MH4	10.7	0.611	0.024	0.3367	
1440 minute summer	MH5	3.000	MH4	1.4	0.135	0.003	0.1356	
1440 minute summer	MH4	1.003	MH2	12.5	0.667	0.028	0.3827	
1440 minute summer	MH3	4.000	MH2	0.9	0.092	0.002	0.1453	
1440 minute summer	MH2	1.004	MH1	15.3	0.638	0.031	0.6376	
1440 minute summer	MH1	1.005	MH1.1	17.3	0.769	0.135	0.4216	
1440 minute summer	MH1.1	1.006	NEW SW 1	17.9	0.843	0.127	0.1619	
1440 minute summer	NEW SW 1	EX1.000	EX SW 1	17.9	1.561	0.674	0.2009	412.8
1440 minute summer	MH16	5.000	MH17	3.0	0.998	0.016	0.0667	
1440 minute summer	MH14	6.000	MH15	0.8	0.912	0.019	0.0099	
1440 minute summer	MH15	6.001	MH17	1.4	0.218	0.005	0.0676	
1440 minute summer	MH17	5.001	MH19	4.4	0.132	0.009	1.7125	
1440 minute summer	MH11	7.000	MH12	2.7	0.283	0.006	0.3356	
1440 minute summer	MH12	7.001	MH13	5.7	0.462	0.019	0.4619	
1440 minute summer	MH10	8.000	MH13	3.7	0.367	0.012	0.3651	
1440 minute summer	MH13	7.002	MH19	13.5	0.369	0.017	0.3330	
1440 minute summer	MH18	5.003	EX SW 3	14.9	2.606	0.083	0.0359	354.5
1440 minute summer	MH19	5.002	MH18	14.9	1.837	0.032	0.0706	

Results for 100 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH9	750	93.689	0.039	2.8	0.1490	0.0000	OK
1440 minute winter	MH8	750	93.598	0.045	5.1	0.1546	0.0000	OK
1440 minute winter	MH7	720	93.507	0.026	1.5	0.0830	0.0000	OK
1440 minute winter	MH6	750	93.464	0.056	8.0	0.1745	0.0000	OK
1440 minute winter	MH5	750	93.399	0.022	1.1	0.0665	0.0000	OK
1440 minute winter	MH4	750	93.390	0.061	9.4	0.1635	0.0000	OK
1440 minute winter	MH3	720	93.316	0.018	0.7	0.0515	0.0000	OK
1440 minute winter	MH2	750	93.308	0.063	11.5	0.1928	0.0000	OK
1440 minute winter	MH1	750	93.196	0.083	13.0	0.2552	0.0000	OK
1440 minute winter	MH1.1	750	93.118	0.083	13.4	0.1588	0.0000	OK
1440 minute winter	NEW SW 1	750	91.718	0.079	13.4	0.1399	0.0000	OK
1440 minute winter	EX SW 1	750	91.325	0.075	13.4	0.0000	0.0000	OK
1440 minute winter	MH16	750	95.663	0.023	2.3	0.0732	0.0000	OK
1440 minute winter	MH14	690	95.788	0.013	0.6	0.0241	0.0000	OK
1440 minute winter	MH15	690	94.743	0.025	1.0	0.0793	0.0000	OK
1440 minute winter	MH17	750	94.732	0.035	3.3	0.1039	0.0000	OK
1440 minute winter	MH11	750	94.829	0.029	2.1	0.1053	0.0000	OK
1440 minute winter	MH12	750	94.702	0.052	4.3	0.1746	0.0000	OK
1440 minute winter	MH10	750	94.685	0.040	2.8	0.1573	0.0000	OK
1440 minute winter	MH13	750	94.620	0.042	8.2	0.1257	0.0000	OK
1440 minute winter	MH18	750	94.041	0.041	11.5	0.1229	0.0000	OK
1440 minute winter	MH19	750	94.611	0.150	11.5	0.6771	0.0000	OK
1440 minute winter	EX SW 3	750	93.306	0.039	11.5	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)
1440 minute winter	MH9	1.000	MH8	2.8	0.326	0.009	0.3750	
1440 minute winter	MH8	1.001	MH6	5.1	0.451	0.012	0.4039	
1440 minute winter	MH7	2.000	MH6	1.5	0.185	0.003	0.1593	
1440 minute winter	MH6	1.002	MH4	8.0	0.564	0.018	0.2725	
1440 minute winter	MH5	3.000	MH4	1.1	0.129	0.003	0.1109	
1440 minute winter	MH4	1.003	MH2	9.4	0.614	0.021	0.3122	
1440 minute winter	MH3	4.000	MH2	0.7	0.089	0.002	0.1195	
1440 minute winter	MH2	1.004	MH1	11.5	0.592	0.024	0.5160	
1440 minute winter	MH1	1.005	MH1.1	13.0	0.717	0.101	0.3398	
1440 minute winter	MH1.1	1.006	NEW SW 1	13.4	0.779	0.095	0.1311	
1440 minute winter	NEW SW 1	EX1.000	EX SW 1	13.4	1.466	0.505	0.1602	463.6
1440 minute winter	MH16	5.000	MH17	2.3	0.917	0.012	0.0556	
1440 minute winter	MH14	6.000	MH15	0.6	0.838	0.014	0.0081	
1440 minute winter	MH15	6.001	MH17	1.0	0.201	0.003	0.0546	
1440 minute winter	MH17	5.001	MH19	3.3	0.121	0.007	1.4094	
1440 minute winter	MH11	7.000	MH12	2.1	0.261	0.005	0.2814	
1440 minute winter	MH12	7.001	MH13	4.3	0.425	0.014	0.3628	
1440 minute winter	MH10	8.000	MH13	2.8	0.336	0.009	0.2787	
1440 minute winter	MH13	7.002	MH19	8.2	0.283	0.010	0.2686	
1440 minute winter	MH18	5.003	EX SW 3	11.5	2.432	0.064	0.0297	398.0
1440 minute winter	MH19	5.002	MH18	11.5	1.724	0.025	0.0580	

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH9	16	94.733	1.083	113.2	4.1017	0.0000	SURCHARGED
15 minute summer	MH8	16	94.825	1.272	146.2	4.3798	0.0000	SURCHARGED
15 minute summer	MH7	16	94.736	1.255	69.4	4.0398	0.0000	SURCHARGED
15 minute summer	MH6	15	94.787	1.379	166.7	4.2653	0.0000	SURCHARGED
15 minute summer	MH5	15	94.758	1.381	41.4	4.1037	0.0000	SURCHARGED
15 minute summer	MH4	15	94.770	1.441	167.1	3.8376	0.0000	SURCHARGED
15 minute summer	MH3	15	94.756	1.458	54.2	4.1158	0.0000	SURCHARGED
15 minute summer	MH2	15	94.772	1.527	138.4	4.6956	0.0000	SURCHARGED
15 minute summer	MH1	15	94.750	1.637	138.5	5.0248	0.0000	SURCHARGED
15 minute summer	MH1.1	14	94.729	1.694	101.8	3.2331	0.0000	SURCHARGED
15 minute summer	NEW SW 1	14	94.712	3.073	85.4	5.4302	0.0000	SURCHARGED
15 minute summer	EX SW 1	6	91.392	0.142	71.4	0.0000	0.0000	OK
15 minute summer	MH16	15	95.796	0.156	57.7	0.4887	0.0000	OK
15 minute summer	MH14	10	95.844	0.069	16.2	0.1302	0.0000	OK
15 minute summer	MH15	14	95.801	1.083	27.4	3.4232	0.0000	SURCHARGED
15 minute summer	MH17	14	95.808	1.111	81.1	3.3168	0.0000	SURCHARGED
15 minute summer	MH11	15	95.797	0.997	52.3	3.5925	0.0000	SURCHARGED
15 minute summer	MH12	14	95.793	1.143	94.0	3.8721	0.0000	SURCHARGED
15 minute summer	MH10	15	95.830	1.185	71.2	4.6266	0.0000	SURCHARGED
15 minute summer	MH13	15	95.813	1.235	146.6	3.6726	0.0000	SURCHARGED
15 minute summer	MH18	21	94.129	0.129	79.9	0.3844	0.0000	OK
15 minute summer	MH19	15	95.805	1.344	178.8	6.0818	0.0000	SURCHARGED
15 minute summer	EX SW 3	21	93.372	0.105	79.9	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	MH9	1.000	MH8	101.0	0.765	0.313	12.2825	
15 minute summer	MH8	1.001	MH6	123.0	0.945	0.280	9.9902	
15 minute summer	MH7	2.000	MH6	35.8	0.407	0.083	5.1702	
15 minute summer	MH6	1.002	MH4	160.8	1.043	0.365	5.4121	
15 minute summer	MH5	3.000	MH4	25.2	0.394	0.058	3.4066	
15 minute summer	MH4	1.003	MH2	105.6	1.032	0.240	5.7468	
15 minute summer	MH3	4.000	MH2	46.0	0.250	0.106	3.7536	
15 minute summer	MH2	1.004	MH1	108.9	0.884	0.224	7.4408	
15 minute summer	MH1	1.005	MH1.1	93.3	1.078	0.726	2.0678	
15 minute summer	MH1.1	1.006	NEW SW 1	85.4	1.177	0.606	0.8406	
15 minute summer	NEW SW 1	EX1.000	EX SW 1	71.4	4.058	2.689	0.3054	147.5
15 minute summer	MH16	5.000	MH17	57.2	2.277	0.301	1.1917	
15 minute summer	MH14	6.000	MH15	16.1	2.107	0.388	0.1351	
15 minute summer	MH15	6.001	MH17	23.9	0.390	0.078	2.9641	
15 minute summer	MH17	5.001	MH19	53.1	0.550	0.108	12.9541	
15 minute summer	MH11	7.000	MH12	41.0	0.597	0.090	9.5629	
15 minute summer	MH12	7.001	MH13	60.3	0.650	0.197	10.0990	
15 minute summer	MH10	8.000	MH13	56.7	0.566	0.185	9.4294	
15 minute summer	MH13	7.002	MH19	144.6	0.952	0.179	2.3847	
15 minute summer	MH18	5.003	EX SW 3	79.9	3.846	0.447	0.1303	127.4
15 minute summer	MH19	5.002	MH18	79.9	2.544	0.173	0.2734	

Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH9	16	95.200	1.550	155.0	5.8705	0.0000	SURCHARGED
15 minute winter	MH8	15	95.263	1.710	155.3	5.8891	0.0000	SURCHARGED
15 minute winter	MH7	16	95.207	1.726	41.4	5.5535	0.0000	SURCHARGED
15 minute winter	MH6	16	95.216	1.808	173.0	5.5925	0.0000	SURCHARGED
15 minute winter	MH5	16	95.222	1.845	28.4	5.4820	0.0000	SURCHARGED
15 minute winter	MH4	16	95.225	1.896	138.3	5.0512	0.0000	SURCHARGED
15 minute winter	MH3	16	95.224	1.926	35.6	5.4368	0.0000	SURCHARGED
15 minute winter	MH2	16	95.230	1.985	154.6	6.1046	0.0000	SURCHARGED
15 minute winter	MH1	16	95.224	2.111	129.8	6.4815	0.0000	SURCHARGED
15 minute winter	MH1.1	15	95.198	2.163	134.9	4.1299	0.0000	SURCHARGED
15 minute winter	NEW SW 1	15	95.176	3.537	103.2	6.2497	0.0000	SURCHARGED
15 minute winter	EX SW 1	6	91.392	0.142	76.3	0.0000	0.0000	OK
15 minute winter	MH16	15	96.248	0.608	60.7	1.8991	0.0000	SURCHARGED
15 minute winter	MH14	15	96.268	0.493	17.0	0.9245	0.0000	SURCHARGED
15 minute winter	MH15	15	96.232	1.514	39.0	4.7836	0.0000	SURCHARGED
15 minute winter	MH17	16	96.223	1.526	88.9	4.5560	0.0000	SURCHARGED
15 minute winter	MH11	15	96.258	1.458	59.7	5.2529	0.0000	SURCHARGED
15 minute winter	MH12	16	96.231	1.581	85.1	5.3539	0.0000	SURCHARGED
15 minute winter	MH10	15	96.220	1.575	74.9	6.1460	0.0000	SURCHARGED
15 minute winter	MH13	15	96.218	1.640	123.1	4.8775	0.0000	SURCHARGED
15 minute winter	MH18	24	94.129	0.129	80.0	0.3843	0.0000	OK
15 minute winter	MH19	15	96.211	1.750	144.3	7.9174	0.0000	SURCHARGED
15 minute winter	EX SW 3	24	93.372	0.105	79.9	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 winter	MH9	1.000	MH8	-85.1	0.759	-0.264	12.2825	
15 minute winter	MH8	1.001	MH6	110.3	0.921	0.251	9.9902	
15 minute winter	MH7	2.000	MH6	70.6	0.423	0.163	5.1702	
15 minute winter	MH6	1.002	MH4	115.6	1.052	0.263	5.4121	
15 minute winter	MH5	3.000	MH4	49.9	0.417	0.115	3.4066	
15 minute winter	MH4	1.003	MH2	123.7	1.023	0.281	5.7468	
15 minute winter	MH3	4.000	MH2	30.9	0.267	0.071	3.7536	
15 minute winter	MH2	1.004	MH1	98.8	0.891	0.203	7.4408	
15 minute winter	MH1	1.005	MH1.1	126.0	1.143	0.980	2.0678	
15 minute winter	MH1.1	1.006	NEW SW 1	103.2	1.257	0.732	0.8406	
15 minute winter	NEW SW 1	EX1.000	EX SW 1	76.3	4.332	2.871	0.3054	165.7
15 minute winter	MH16	5.000	MH17	60.0	2.303	0.316	1.5609	
15 minute winter	MH14	6.000	MH15	16.8	2.130	0.407	0.1996	
15 minute winter	MH15	6.001	MH17	-32.2	0.379	-0.105	2.9641	
15 minute winter	MH17	5.001	MH19	43.2	0.557	0.088	12.9541	
15 minute winter	MH11	7.000	MH12	39.5	0.596	0.087	9.5629	
15 minute winter	MH12	7.001	MH13	52.9	0.643	0.173	10.0990	
15 minute winter	MH10	8.000	MH13	53.8	0.573	0.176	9.4294	
15 minute winter	MH13	7.002	MH19	119.7	0.972	0.148	2.3847	
15 minute winter	MH18	5.003	EX SW 3	79.9	3.846	0.447	0.1303	141.8
15 minute winter	MH19	5.002	MH18	80.0	2.549	0.173	0.2733	

Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH9	25	95.108	1.458	120.3	5.5225	0.0000	SURCHARGED
30 minute summer	MH8	23	95.150	1.597	138.1	5.5013	0.0000	SURCHARGED
30 minute summer	MH7	25	95.114	1.633	40.9	5.2550	0.0000	SURCHARGED
30 minute summer	MH6	24	95.120	1.712	144.4	5.2939	0.0000	SURCHARGED
30 minute summer	MH5	24	95.111	1.734	31.8	5.1523	0.0000	SURCHARGED
30 minute summer	MH4	24	95.117	1.788	137.2	4.7626	0.0000	SURCHARGED
30 minute summer	MH3	24	95.117	1.819	48.6	5.1349	0.0000	SURCHARGED
30 minute summer	MH2	24	95.118	1.873	121.0	5.7605	0.0000	SURCHARGED
30 minute summer	MH1	24	95.116	2.003	103.0	6.1486	0.0000	SURCHARGED
30 minute summer	MH1.1	24	95.081	2.046	84.7	3.9054	0.0000	SURCHARGED
30 minute summer	NEW SW 1	24	95.058	3.419	78.8	6.0411	0.0000	SURCHARGED
30 minute summer	EX SW 1	8	91.392	0.142	75.1	0.0000	0.0000	OK
30 minute summer	MH16	24	96.123	0.483	53.2	1.5092	0.0000	SURCHARGED
30 minute summer	MH14	23	96.134	0.359	14.9	0.6736	0.0000	SURCHARGED
30 minute summer	MH15	23	96.111	1.393	25.3	4.4022	0.0000	SURCHARGED
30 minute summer	MH17	23	96.126	1.429	69.9	4.2677	0.0000	SURCHARGED
30 minute summer	MH11	23	96.091	1.291	48.3	4.6513	0.0000	SURCHARGED
30 minute summer	MH12	24	96.100	1.450	75.6	4.9099	0.0000	SURCHARGED
30 minute summer	MH10	24	96.119	1.474	65.7	5.7513	0.0000	SURCHARGED
30 minute summer	MH13	23	96.111	1.533	138.6	4.5602	0.0000	SURCHARGED
30 minute summer	MH18	35	94.129	0.129	80.0	0.3844	0.0000	OK
30 minute summer	MH19	24	96.112	1.651	186.3	7.4711	0.0000	SURCHARGED
30 minute summer	EX SW 3	35	93.372	0.105	79.9	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)
30 minute summer	MH9	1.000	MH8	89.7	0.742	0.278	12.2825	
30 minute summer	MH8	1.001	MH6	102.8	0.890	0.234	9.9902	
30 minute summer	MH7	2.000	MH6	28.3	0.358	0.065	5.1702	
30 minute summer	MH6	1.002	MH4	130.4	0.992	0.296	5.4121	
30 minute summer	MH5	3.000	MH4	26.1	0.374	0.060	3.4066	
30 minute summer	MH4	1.003	MH2	90.3	1.010	0.205	5.7468	
30 minute summer	MH3	4.000	MH2	-33.7	0.223	-0.078	3.7536	
30 minute summer	MH2	1.004	MH1	84.4	0.857	0.174	7.4408	
30 minute summer	MH1	1.005	MH1.1	80.2	1.036	0.624	2.0678	
30 minute summer	MH1.1	1.006	NEW SW 1	78.8	1.160	0.558	0.8406	
30 minute summer	NEW SW 1	EX1.000	EX SW 1	75.1	4.265	2.827	0.3054	198.5
30 minute summer	MH16	5.000	MH17	54.4	2.223	0.287	1.5609	
30 minute summer	MH14	6.000	MH15	14.9	2.070	0.360	0.1996	
30 minute summer	MH15	6.001	MH17	23.5	0.324	0.077	2.9641	
30 minute summer	MH17	5.001	MH19	51.8	0.489	0.105	12.9541	
30 minute summer	MH11	7.000	MH12	32.1	0.470	0.070	9.5629	
30 minute summer	MH12	7.001	MH13	58.0	0.594	0.190	10.0990	
30 minute summer	MH10	8.000	MH13	52.6	0.487	0.172	9.4294	
30 minute summer	MH13	7.002	MH19	153.0	0.838	0.189	2.3847	
30 minute summer	MH18	5.003	EX SW 3	79.9	3.846	0.447	0.1303	170.8
30 minute summer	MH19	5.002	MH18	80.0	2.547	0.173	0.2734	

Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH9	25	95.623	1.973	78.1	7.4732	0.0000	FLOOD RISK
30 minute winter	MH8	26	95.639	2.086	101.6	7.1847	0.0000	FLOOD RISK
30 minute winter	MH7	25	95.625	2.144	38.9	6.9008	0.0000	FLOOD RISK
30 minute winter	MH6	26	95.627	2.219	114.9	6.8643	0.0000	FLOOD RISK
30 minute winter	MH5	25	95.627	2.250	22.5	6.6870	0.0000	FLOOD RISK
30 minute winter	MH4	25	95.623	2.294	100.7	6.1122	0.0000	FLOOD RISK
30 minute winter	MH3	25	95.623	2.325	30.1	6.5627	0.0000	FLOOD RISK
30 minute winter	MH2	25	95.622	2.377	116.3	7.3127	0.0000	FLOOD RISK
30 minute winter	MH1	25	95.619	2.506	114.5	7.6937	0.0000	FLOOD RISK
30 minute winter	MH1.1	25	95.578	2.543	101.4	4.8552	0.0000	FLOOD RISK
30 minute winter	NEW SW 1	25	95.553	3.914	86.6	6.9158	0.0000	FLOOD RISK
30 minute winter	EX SW 1	8	91.392	0.142	80.0	0.0000	0.0000	OK
30 minute winter	MH16	25	96.504	0.864	48.1	2.7011	0.0000	SURCHARGED
30 minute winter	MH14	25	96.501	0.726	13.5	1.3611	0.0000	SURCHARGED
30 minute winter	MH15	25	96.489	1.771	27.2	5.5961	0.0000	SURCHARGED
30 minute winter	MH17	25	96.491	1.794	72.3	5.3573	0.0000	SURCHARGED
30 minute winter	MH11	25	96.493	1.693	43.6	6.1031	0.0000	FLOOD RISK
30 minute winter	MH12	25	96.486	1.836	70.9	6.2182	0.0000	SURCHARGED
30 minute winter	MH10	25	96.481	1.836	59.4	7.1672	0.0000	FLOOD RISK
30 minute winter	MH13	25	96.480	1.902	138.7	5.6552	0.0000	SURCHARGED
30 minute winter	MH18	18	94.129	0.129	79.9	0.3844	0.0000	OK
30 minute winter	MH19	25	96.477	2.016	198.0	9.1226	0.0000	SURCHARGED
30 minute winter	EX SW 3	18	93.372	0.105	79.9	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)
30 minute winter	MH9	1.000	MH8	56.0	0.722	0.174	12.2825	
30 minute winter	MH8	1.001	MH6	83.1	0.862	0.189	9.9902	
30 minute winter	MH7	2.000	MH6	19.7	0.353	0.045	5.1702	
30 minute winter	MH6	1.002	MH4	93.2	0.971	0.212	5.4121	
30 minute winter	MH5	3.000	MH4	21.0	0.383	0.048	3.4066	
30 minute winter	MH4	1.003	MH2	87.3	0.992	0.198	5.7468	
30 minute winter	MH3	4.000	MH2	-21.3	0.227	-0.049	3.7536	
30 minute winter	MH2	1.004	MH1	87.8	0.856	0.181	7.4408	
30 minute winter	MH1	1.005	MH1.1	93.8	1.035	0.730	2.0678	
30 minute winter	MH1.1	1.006	NEW SW 1	86.6	1.157	0.614	0.8406	
30 minute winter	NEW SW 1	EX1.000	EX SW 1	80.0	4.543	3.011	0.3054	222.4
30 minute winter	MH16	5.000	MH17	49.2	2.134	0.259	1.5609	
30 minute winter	MH14	6.000	MH15	14.1	2.014	0.339	0.1996	
30 minute winter	MH15	6.001	MH17	23.1	0.328	0.076	2.9641	
30 minute winter	MH17	5.001	MH19	40.0	0.505	0.081	12.9541	
30 minute winter	MH11	7.000	MH12	29.1	0.462	0.064	9.5629	
30 minute winter	MH12	7.001	MH13	48.4	0.621	0.158	10.0990	
30 minute winter	MH10	8.000	MH13	51.2	0.516	0.167	9.4294	
30 minute winter	MH13	7.002	MH19	158.1	0.879	0.195	2.3847	
30 minute winter	MH18	5.003	EX SW 3	79.9	3.846	0.447	0.1303	190.0
30 minute winter	MH19	5.002	MH18	79.9	2.544	0.173	0.2733	

Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH9	41	95.072	1.422	61.8	5.3847	0.0000	SURCHARGED
60 minute summer	MH8	41	95.076	1.523	84.5	5.2453	0.0000	SURCHARGED
60 minute summer	MH7	41	95.071	1.590	40.8	5.1182	0.0000	SURCHARGED
60 minute summer	MH6	41	95.074	1.666	98.0	5.1523	0.0000	SURCHARGED
60 minute summer	MH5	41	95.073	1.696	19.0	5.0399	0.0000	SURCHARGED
60 minute summer	MH4	41	95.074	1.745	93.8	4.6489	0.0000	SURCHARGED
60 minute summer	MH3	41	95.070	1.772	17.6	5.0017	0.0000	SURCHARGED
60 minute summer	MH2	41	95.072	1.827	100.2	5.6193	0.0000	SURCHARGED
60 minute summer	MH1	41	95.067	1.954	106.5	5.9995	0.0000	SURCHARGED
60 minute summer	MH1.1	41	95.033	1.998	94.9	3.8133	0.0000	SURCHARGED
60 minute summer	NEW SW 1	41	95.010	3.371	80.0	5.9573	0.0000	SURCHARGED
60 minute summer	EX SW 1	15	91.392	0.142	74.6	0.0000	0.0000	OK
60 minute summer	MH16	41	95.915	0.275	40.7	0.8605	0.0000	OK
60 minute summer	MH14	40	95.920	0.145	11.4	0.2721	0.0000	OK
60 minute summer	MH15	41	95.917	1.199	19.4	3.7876	0.0000	SURCHARGED
60 minute summer	MH17	41	95.917	1.220	59.5	3.6427	0.0000	SURCHARGED
60 minute summer	MH11	40	95.901	1.101	36.9	3.9696	0.0000	SURCHARGED
60 minute summer	MH12	41	95.909	1.259	62.8	4.2649	0.0000	SURCHARGED
60 minute summer	MH10	40	95.922	1.277	50.2	4.9847	0.0000	SURCHARGED
60 minute summer	MH13	41	95.916	1.338	121.6	3.9803	0.0000	SURCHARGED
60 minute summer	MH18	34	94.129	0.129	79.9	0.3845	0.0000	OK
60 minute summer	MH19	41	95.915	1.454	156.5	6.5776	0.0000	SURCHARGED
60 minute summer	EX SW 3	34	93.372	0.105	80.0	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)
60 minute summer	MH9	1.000	MH8	45.9	0.713	0.142	12.2825	
60 minute summer	MH8	1.001	MH6	70.9	0.838	0.162	9.9902	
60 minute summer	MH7	2.000	MH6	35.7	0.306	0.082	5.1702	
60 minute summer	MH6	1.002	MH4	83.3	0.950	0.189	5.4121	
60 minute summer	MH5	3.000	MH4	14.9	0.339	0.034	3.4066	
60 minute summer	MH4	1.003	MH2	77.5	0.996	0.176	5.7468	
60 minute summer	MH3	4.000	MH2	15.2	0.233	0.035	3.7536	
60 minute summer	MH2	1.004	MH1	83.9	0.849	0.173	7.4408	
60 minute summer	MH1	1.005	MH1.1	88.4	1.045	0.688	2.0678	
60 minute summer	MH1.1	1.006	NEW SW 1	80.0	1.133	0.567	0.8406	
60 minute summer	NEW SW 1	EX1.000	EX SW 1	74.6	4.237	2.808	0.3056	255.0
60 minute summer	MH16	5.000	MH17	41.2	2.081	0.217	1.5307	
60 minute summer	MH14	6.000	MH15	11.4	1.936	0.275	0.1986	
60 minute summer	MH15	6.001	MH17	19.2	0.308	0.063	2.9641	
60 minute summer	MH17	5.001	MH19	39.5	0.457	0.080	12.9541	
60 minute summer	MH11	7.000	MH12	25.1	0.421	0.055	9.5629	
60 minute summer	MH12	7.001	MH13	40.0	0.516	0.131	10.0990	
60 minute summer	MH10	8.000	MH13	43.3	0.420	0.142	9.4294	
60 minute summer	MH13	7.002	MH19	118.2	0.803	0.146	2.3847	
60 minute summer	MH18	5.003	EX SW 3	80.0	3.846	0.447	0.1303	219.1
60 minute summer	MH19	5.002	MH18	79.9	2.544	0.173	0.2734	

Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH9	44	95.444	1.794	40.3	6.7931	0.0000	SURCHARGED
60 minute winter	MH8	44	95.442	1.889	65.8	6.5073	0.0000	SURCHARGED
60 minute winter	MH7	44	95.442	1.961	22.5	6.3094	0.0000	FLOOD RISK
60 minute winter	MH6	44	95.445	2.037	87.7	6.3010	0.0000	SURCHARGED
60 minute winter	MH5	44	95.440	2.063	15.4	6.1320	0.0000	FLOOD RISK
60 minute winter	MH4	44	95.442	2.113	79.4	5.6291	0.0000	SURCHARGED
60 minute winter	MH3	44	95.439	2.141	13.7	6.0436	0.0000	FLOOD RISK
60 minute winter	MH2	44	95.439	2.194	90.5	6.7487	0.0000	SURCHARGED
60 minute winter	MH1	44	95.435	2.322	89.9	7.1286	0.0000	SURCHARGED
60 minute winter	MH1.1	44	95.396	2.361	83.9	4.5064	0.0000	SURCHARGED
60 minute winter	NEW SW 1	44	95.371	3.732	79.2	6.5943	0.0000	FLOOD RISK
60 minute winter	EX SW 1	11	91.392	0.142	78.2	0.0000	0.0000	OK
60 minute winter	MH16	44	96.113	0.473	32.9	1.4772	0.0000	SURCHARGED
60 minute winter	MH14	44	96.115	0.340	9.2	0.6387	0.0000	SURCHARGED
60 minute winter	MH15	44	96.106	1.388	15.7	4.3863	0.0000	SURCHARGED
60 minute winter	MH17	44	96.112	1.415	52.8	4.2239	0.0000	SURCHARGED
60 minute winter	MH11	44	96.112	1.312	29.9	4.7292	0.0000	SURCHARGED
60 minute winter	MH12	44	96.111	1.461	50.6	4.9490	0.0000	SURCHARGED
60 minute winter	MH10	44	96.111	1.466	40.6	5.7214	0.0000	SURCHARGED
60 minute winter	MH13	44	96.109	1.531	107.7	4.5519	0.0000	SURCHARGED
60 minute winter	MH18	34	94.129	0.129	79.9	0.3844	0.0000	OK
60 minute winter	MH19	44	96.108	1.647	136.2	7.4497	0.0000	SURCHARGED
60 minute winter	EX SW 3	34	93.372	0.105	79.9	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)
60 minute winter	MH9	1.000	MH8	36.3	0.675	0.112	12.2825	
60 minute winter	MH8	1.001	MH6	57.7	0.807	0.131	9.9902	
60 minute winter	MH7	2.000	MH6	23.2	0.309	0.053	5.1702	
60 minute winter	MH6	1.002	MH4	71.8	0.921	0.163	5.4121	
60 minute winter	MH5	3.000	MH4	13.9	0.321	0.032	3.4066	
60 minute winter	MH4	1.003	MH2	69.9	0.970	0.159	5.7468	
60 minute winter	MH3	4.000	MH2	9.4	0.264	0.022	3.7536	
60 minute winter	MH2	1.004	MH1	71.9	0.851	0.148	7.4408	
60 minute winter	MH1	1.005	MH1.1	78.4	1.028	0.610	2.0678	
60 minute winter	MH1.1	1.006	NEW SW 1	79.2	1.150	0.562	0.8406	
60 minute winter	NEW SW 1	EX1.000	EX SW 1	78.2	4.443	2.945	0.3055	286.1
60 minute winter	MH16	5.000	MH17	33.8	1.961	0.178	1.5609	
60 minute winter	MH14	6.000	MH15	9.2	1.831	0.222	0.1996	
60 minute winter	MH15	6.001	MH17	19.6	0.308	0.064	2.9641	
60 minute winter	MH17	5.001	MH19	33.3	0.435	0.068	12.9541	
60 minute winter	MH11	7.000	MH12	22.2	0.417	0.049	9.5629	
60 minute winter	MH12	7.001	MH13	44.9	0.553	0.147	10.0990	
60 minute winter	MH10	8.000	MH13	35.4	0.451	0.116	9.4294	
60 minute winter	MH13	7.002	MH19	102.9	0.788	0.127	2.3847	
60 minute winter	MH18	5.003	EX SW 3	79.9	3.846	0.447	0.1303	245.6
60 minute winter	MH19	5.002	MH18	79.9	2.558	0.173	0.2734	

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH9	76	94.530	0.880	32.9	3.3337	0.0000	SURCHARGED
120 minute summer	MH8	76	94.529	0.976	58.3	3.3620	0.0000	SURCHARGED
120 minute summer	MH7	76	94.530	1.049	18.3	3.3760	0.0000	SURCHARGED
120 minute summer	MH6	76	94.528	1.120	77.9	3.4646	0.0000	SURCHARGED
120 minute summer	MH5	76	94.529	1.152	12.6	3.4223	0.0000	SURCHARGED
120 minute summer	MH4	76	94.528	1.199	67.7	3.1936	0.0000	SURCHARGED
120 minute summer	MH3	76	94.526	1.228	11.3	3.4674	0.0000	SURCHARGED
120 minute summer	MH2	76	94.526	1.281	76.5	3.9406	0.0000	SURCHARGED
120 minute summer	MH1	76	94.523	1.410	78.6	4.3289	0.0000	SURCHARGED
120 minute summer	MH1.1	76	94.493	1.458	70.9	2.7831	0.0000	SURCHARGED
120 minute summer	NEW SW 1	76	94.474	2.835	69.3	5.0090	0.0000	SURCHARGED
120 minute summer	EX SW 1	42	91.392	0.142	68.8	0.0000	0.0000	OK
120 minute summer	MH16	64	95.719	0.079	26.9	0.2471	0.0000	OK
120 minute summer	MH14	64	95.820	0.045	7.5	0.0845	0.0000	OK
120 minute summer	MH15	72	95.178	0.460	12.8	1.4546	0.0000	OK
120 minute summer	MH17	72	95.182	0.485	43.8	1.4478	0.0000	OK
120 minute summer	MH11	72	95.182	0.382	24.4	1.3774	0.0000	OK
120 minute summer	MH12	72	95.182	0.532	44.1	1.8023	0.0000	OK
120 minute summer	MH10	72	95.183	0.538	33.2	2.0990	0.0000	OK
120 minute summer	MH13	72	95.184	0.606	84.9	1.8008	0.0000	SURCHARGED
120 minute summer	MH18	72	94.129	0.129	79.9	0.3842	0.0000	OK
120 minute summer	MH19	72	95.179	0.718	153.0	3.2479	0.0000	SURCHARGED
120 minute summer	EX SW 3	72	93.372	0.105	79.9	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)
120 minute summer	MH9	1.000	MH8	31.4	0.655	0.097	12.2825	
120 minute summer	MH8	1.001	MH6	51.5	0.769	0.117	9.9902	
120 minute summer	MH7	2.000	MH6	14.0	0.289	0.032	5.1702	
120 minute summer	MH6	1.002	MH4	58.4	0.895	0.133	5.4121	
120 minute summer	MH5	3.000	MH4	11.3	0.323	0.026	3.4066	
120 minute summer	MH4	1.003	MH2	63.1	0.978	0.143	5.7468	
120 minute summer	MH3	4.000	MH2	7.2	0.210	0.017	3.7536	
120 minute summer	MH2	1.004	MH1	66.8	0.843	0.137	7.4408	
120 minute summer	MH1	1.005	MH1.1	68.0	1.002	0.529	2.0678	
120 minute summer	MH1.1	1.006	NEW SW 1	69.3	1.120	0.491	0.8406	
120 minute summer	NEW SW 1	EX1.000	EX SW 1	68.8	3.910	2.592	0.3054	316.8
120 minute summer	MH16	5.000	MH17	26.9	1.872	0.142	0.6104	
120 minute summer	MH14	6.000	MH15	7.5	1.734	0.181	0.0490	
120 minute summer	MH15	6.001	MH17	16.9	0.307	0.055	2.5045	
120 minute summer	MH17	5.001	MH19	34.3	0.369	0.070	12.0874	
120 minute summer	MH11	7.000	MH12	18.4	0.399	0.040	7.7004	
120 minute summer	MH12	7.001	MH13	35.8	0.468	0.117	9.7852	
120 minute summer	MH10	8.000	MH13	30.8	0.372	0.101	9.1719	
120 minute summer	MH13	7.002	MH19	118.7	0.728	0.147	2.3845	
120 minute summer	MH18	5.003	EX SW 3	79.9	3.846	0.446	0.1302	273.2
120 minute summer	MH19	5.002	MH18	79.9	2.547	0.173	0.2732	

Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH9	80	94.551	0.901	25.4	3.4121	0.0000	SURCHARGED
120 minute winter	MH8	80	94.550	0.997	43.7	3.4330	0.0000	SURCHARGED
120 minute winter	MH7	80	94.550	1.069	14.1	3.4400	0.0000	SURCHARGED
120 minute winter	MH6	80	94.550	1.142	60.4	3.5325	0.0000	SURCHARGED
120 minute winter	MH5	80	94.549	1.172	9.7	3.4818	0.0000	SURCHARGED
120 minute winter	MH4	80	94.549	1.220	60.6	3.2495	0.0000	SURCHARGED
120 minute winter	MH3	80	94.547	1.249	8.0	3.5254	0.0000	SURCHARGED
120 minute winter	MH2	80	94.547	1.302	66.0	4.0050	0.0000	SURCHARGED
120 minute winter	MH1	80	94.544	1.431	71.5	4.3926	0.0000	SURCHARGED
120 minute winter	MH1.1	80	94.513	1.478	70.4	2.8216	0.0000	SURCHARGED
120 minute winter	NEW SW 1	80	94.494	2.855	69.4	5.0444	0.0000	SURCHARGED
120 minute winter	EX SW 1	36	91.392	0.142	69.1	0.0000	0.0000	OK
120 minute winter	MH16	64	95.709	0.069	20.7	0.2154	0.0000	OK
120 minute winter	MH14	64	95.814	0.039	5.8	0.0738	0.0000	OK
120 minute winter	MH15	74	95.084	0.366	9.9	1.1574	0.0000	OK
120 minute winter	MH17	74	95.084	0.387	35.2	1.1547	0.0000	OK
120 minute winter	MH11	74	95.085	0.285	18.8	1.0282	0.0000	OK
120 minute winter	MH12	74	95.085	0.435	36.3	1.4742	0.0000	OK
120 minute winter	MH10	74	95.085	0.440	25.6	1.7173	0.0000	OK
120 minute winter	MH13	74	95.084	0.506	93.2	1.5048	0.0000	OK
120 minute winter	MH18	74	94.128	0.128	79.2	0.3819	0.0000	OK
120 minute winter	MH19	74	95.085	0.624	147.3	2.8210	0.0000	SURCHARGED
120 minute winter	EX SW 3	74	93.371	0.104	79.2	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)
120 minute winter	MH9	1.000	MH8	23.7	0.612	0.074	12.2825	
120 minute winter	MH8	1.001	MH6	39.7	0.746	0.090	9.9902	
120 minute winter	MH7	2.000	MH6	10.7	0.283	0.025	5.1702	
120 minute winter	MH6	1.002	MH4	52.7	0.878	0.120	5.4121	
120 minute winter	MH5	3.000	MH4	7.4	0.265	0.017	3.4066	
120 minute winter	MH4	1.003	MH2	54.7	0.956	0.124	5.7468	
120 minute winter	MH3	4.000	MH2	5.7	0.152	0.013	3.7536	
120 minute winter	MH2	1.004	MH1	61.4	0.836	0.126	7.4408	
120 minute winter	MH1	1.005	MH1.1	67.6	1.004	0.526	2.0678	
120 minute winter	MH1.1	1.006	NEW SW 1	69.4	1.124	0.492	0.8406	
120 minute winter	NEW SW 1	EX1.000	EX SW 1	69.1	3.923	2.600	0.3054	354.6
120 minute winter	MH16	5.000	MH17	20.7	1.743	0.109	0.2937	
120 minute winter	MH14	6.000	MH15	5.8	1.617	0.140	0.0407	
120 minute winter	MH15	6.001	MH17	14.5	0.293	0.048	1.9582	
120 minute winter	MH17	5.001	MH19	29.5	0.378	0.060	10.8921	
120 minute winter	MH11	7.000	MH12	16.3	0.394	0.036	5.9589	
120 minute winter	MH12	7.001	MH13	34.0	0.479	0.111	8.4712	
120 minute winter	MH10	8.000	MH13	27.2	0.388	0.089	7.9514	
120 minute winter	MH13	7.002	MH19	120.5	0.797	0.149	2.2657	
120 minute winter	MH18	5.003	EX SW 3	79.2	3.839	0.442	0.1293	303.5
120 minute winter	MH19	5.002	MH18	79.2	2.542	0.171	0.2711	

Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH9	108	94.024	0.374	24.5	1.4166	0.0000	OK
180 minute summer	MH8	108	94.023	0.470	44.0	1.6180	0.0000	OK
180 minute summer	MH7	108	94.022	0.541	13.7	1.7422	0.0000	OK
180 minute summer	MH6	108	94.021	0.613	65.8	1.8970	0.0000	SURCHARGED
180 minute summer	MH5	108	94.021	0.644	9.4	1.9146	0.0000	SURCHARGED
180 minute summer	MH4	108	94.021	0.692	59.3	1.8431	0.0000	SURCHARGED
180 minute summer	MH3	108	94.019	0.721	6.2	2.0355	0.0000	SURCHARGED
180 minute summer	MH2	108	94.019	0.774	63.8	2.3816	0.0000	SURCHARGED
180 minute summer	MH1	108	94.017	0.904	67.9	2.7738	0.0000	SURCHARGED
180 minute summer	MH1.1	108	93.990	0.955	64.3	1.8233	0.0000	SURCHARGED
180 minute summer	NEW SW 1	108	93.974	2.335	63.5	4.1255	0.0000	SURCHARGED
180 minute summer	EX SW 1	148	91.392	0.142	63.0	0.0000	0.0000	OK
180 minute summer	MH16	96	95.708	0.068	20.0	0.2116	0.0000	OK
180 minute summer	MH14	96	95.814	0.039	5.6	0.0724	0.0000	OK
180 minute summer	MH15	104	94.998	0.280	9.5	0.8853	0.0000	OK
180 minute summer	MH17	100	94.999	0.302	28.5	0.9012	0.0000	OK
180 minute summer	MH11	104	94.999	0.199	18.2	0.7167	0.0000	OK
180 minute summer	MH12	104	94.999	0.349	35.4	1.1823	0.0000	OK
180 minute summer	MH10	104	94.998	0.353	24.7	1.3794	0.0000	OK
180 minute summer	MH13	100	95.007	0.429	62.2	1.2760	0.0000	OK
180 minute summer	MH18	104	94.126	0.126	77.8	0.3771	0.0000	OK
180 minute summer	MH19	104	95.000	0.539	133.5	2.4372	0.0000	SURCHARGED
180 minute summer	EX SW 3	104	93.370	0.103	77.8	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)
180 minute summer	MH9	1.000	MH8	24.0	0.622	0.074	9.1888	
180 minute summer	MH8	1.001	MH6	42.9	0.750	0.098	9.1932	
180 minute summer	MH7	2.000	MH6	10.7	0.287	0.025	5.0417	
180 minute summer	MH6	1.002	MH4	54.2	0.873	0.123	5.4121	
180 minute summer	MH5	3.000	MH4	6.7	0.206	0.015	3.4066	
180 minute summer	MH4	1.003	MH2	52.3	0.921	0.119	5.7468	
180 minute summer	MH3	4.000	MH2	5.4	0.182	0.012	3.7536	
180 minute summer	MH2	1.004	MH1	56.8	0.832	0.117	7.4408	
180 minute summer	MH1	1.005	MH1.1	61.7	1.016	0.480	2.0678	
180 minute summer	MH1.1	1.006	NEW SW 1	63.5	1.080	0.450	0.8406	
180 minute summer	NEW SW 1	EX1.000	EX SW 1	63.0	3.579	2.372	0.3055	353.1
180 minute summer	MH16	5.000	MH17	20.0	1.727	0.105	0.2567	
180 minute summer	MH14	6.000	MH15	5.6	1.602	0.135	0.0396	
180 minute summer	MH15	6.001	MH17	11.4	0.293	0.037	1.4168	
180 minute summer	MH17	5.001	MH19	28.4	0.359	0.058	9.3581	
180 minute summer	MH11	7.000	MH12	16.1	0.393	0.035	4.2705	
180 minute summer	MH12	7.001	MH13	31.3	0.464	0.102	6.8826	
180 minute summer	MH10	8.000	MH13	22.5	0.373	0.074	6.4620	
180 minute summer	MH13	7.002	MH19	109.9	0.810	0.136	2.0145	
180 minute summer	MH18	5.003	EX SW 3	77.8	3.828	0.435	0.1274	298.3
180 minute summer	MH19	5.002	MH18	77.8	2.550	0.168	0.2666	

Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH9	116	93.912	0.262	18.9	0.9932	0.0000	OK
180 minute winter	MH8	116	93.912	0.359	34.3	1.2356	0.0000	OK
180 minute winter	MH7	116	93.912	0.431	10.5	1.3854	0.0000	OK
180 minute winter	MH6	116	93.911	0.503	49.2	1.5572	0.0000	OK
180 minute winter	MH5	116	93.911	0.534	7.2	1.5865	0.0000	OK
180 minute winter	MH4	116	93.911	0.582	54.4	1.5499	0.0000	OK
180 minute winter	MH3	116	93.909	0.611	4.8	1.7261	0.0000	SURCHARGED
180 minute winter	MH2	116	93.909	0.664	61.0	2.0438	0.0000	SURCHARGED
180 minute winter	MH1	116	93.907	0.794	64.3	2.4376	0.0000	SURCHARGED
180 minute winter	MH1.1	116	93.883	0.848	61.9	1.6181	0.0000	SURCHARGED
180 minute winter	NEW SW 1	116	93.867	2.228	61.8	3.9374	0.0000	SURCHARGED
180 minute winter	EX SW 1	60	91.392	0.142	61.7	0.0000	0.0000	OK
180 minute winter	MH16	96	95.699	0.059	15.4	0.1850	0.0000	OK
180 minute winter	MH14	96	95.809	0.034	4.3	0.0631	0.0000	OK
180 minute winter	MH15	104	94.912	0.194	7.3	0.6132	0.0000	OK
180 minute winter	MH17	100	94.912	0.215	25.6	0.6420	0.0000	OK
180 minute winter	MH11	100	94.912	0.112	14.0	0.4041	0.0000	OK
180 minute winter	MH12	104	94.912	0.262	28.5	0.8879	0.0000	OK
180 minute winter	MH10	104	94.912	0.267	19.1	1.0407	0.0000	OK
180 minute winter	MH13	100	94.920	0.342	90.9	1.0158	0.0000	OK
180 minute winter	MH18	104	94.123	0.123	75.0	0.3664	0.0000	OK
180 minute winter	MH19	104	94.920	0.459	130.7	2.0744	0.0000	SURCHARGED
180 minute winter	EX SW 3	104	93.367	0.100	74.3	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)
180 minute winter	MH9	1.000	MH8	18.9	0.574	0.059	6.4132	
180 minute winter	MH8	1.001	MH6	32.4	0.720	0.074	7.5950	
180 minute winter	MH7	2.000	MH6	9.2	0.277	0.021	4.3034	
180 minute winter	MH6	1.002	MH4	46.8	0.854	0.106	5.1087	
180 minute winter	MH5	3.000	MH4	5.9	0.230	0.014	3.2904	
180 minute winter	MH4	1.003	MH2	49.6	0.932	0.113	5.7224	
180 minute winter	MH3	4.000	MH2	4.7	0.129	0.011	3.7536	
180 minute winter	MH2	1.004	MH1	56.0	0.820	0.115	7.4408	
180 minute winter	MH1	1.005	MH1.1	59.8	1.005	0.465	2.0678	
180 minute winter	MH1.1	1.006	NEW SW 1	61.8	1.129	0.438	0.8406	
180 minute winter	NEW SW 1	EX1.000	EX SW 1	61.7	3.504	2.323	0.3054	396.4
180 minute winter	MH16	5.000	MH17	15.4	1.605	0.081	0.2127	
180 minute winter	MH14	6.000	MH15	4.3	1.490	0.104	0.0327	
180 minute winter	MH15	6.001	MH17	10.3	0.287	0.034	0.8801	
180 minute winter	MH17	5.001	MH19	26.4	0.360	0.054	7.3464	
180 minute winter	MH11	7.000	MH12	13.6	0.380	0.030	2.6189	
180 minute winter	MH12	7.001	MH13	31.5	0.466	0.103	5.0830	
180 minute winter	MH10	8.000	MH13	24.0	0.374	0.078	4.7803	
180 minute winter	MH13	7.002	MH19	104.3	0.817	0.129	1.6334	
180 minute winter	MH18	5.003	EX SW 3	74.3	3.806	0.415	0.1231	336.9
180 minute winter	MH19	5.002	MH18	75.0	2.531	0.162	0.2577	

Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH9	140	93.827	0.177	20.7	0.6690	0.0000	OK
240 minute summer	MH8	140	93.828	0.275	37.4	0.9460	0.0000	OK
240 minute summer	MH7	140	93.828	0.347	11.5	1.1156	0.0000	OK
240 minute summer	MH6	140	93.827	0.419	54.4	1.2972	0.0000	OK
240 minute summer	MH5	140	93.827	0.450	7.9	1.3367	0.0000	OK
240 minute summer	MH4	140	93.827	0.498	56.6	1.3260	0.0000	OK
240 minute summer	MH3	140	93.826	0.528	5.2	1.4893	0.0000	OK
240 minute summer	MH2	140	93.826	0.581	62.7	1.7858	0.0000	OK
240 minute summer	MH1	140	93.823	0.710	65.2	2.1803	0.0000	SURCHARGED
240 minute summer	MH1.1	140	93.799	0.764	60.9	1.4592	0.0000	SURCHARGED
240 minute summer	NEW SW 1	140	93.785	2.146	60.7	3.7912	0.0000	SURCHARGED
240 minute summer	EX SW 1	96	91.392	0.142	60.6	0.0000	0.0000	OK
240 minute summer	MH16	124	95.702	0.062	16.9	0.1936	0.0000	OK
240 minute summer	MH14	124	95.810	0.035	4.7	0.0660	0.0000	OK
240 minute summer	MH15	128	94.917	0.199	8.0	0.6276	0.0000	OK
240 minute summer	MH17	132	94.917	0.220	27.8	0.6560	0.0000	OK
240 minute summer	MH11	132	94.917	0.117	15.3	0.4234	0.0000	OK
240 minute summer	MH12	132	94.917	0.266	29.6	0.9026	0.0000	OK
240 minute summer	MH10	128	94.916	0.270	20.8	1.0557	0.0000	OK
240 minute summer	MH13	132	94.922	0.344	90.8	1.0244	0.0000	OK
240 minute summer	MH18	128	94.121	0.121	75.5	0.3627	0.0000	OK
240 minute summer	MH19	128	94.931	0.470	116.8	2.1281	0.0000	SURCHARGED
240 minute summer	EX SW 3	136	93.366	0.099	72.8	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)
240 minute summer	MH9	1.000	MH8	20.5	0.596	0.064	4.2491	
240 minute summer	MH8	1.001	MH6	37.0	0.725	0.084	5.9602	
240 minute summer	MH7	2.000	MH6	9.6	0.278	0.022	3.4788	
240 minute summer	MH6	1.002	MH4	50.2	0.864	0.114	4.4221	
240 minute summer	MH5	3.000	MH4	5.9	0.210	0.014	2.8817	
240 minute summer	MH4	1.003	MH2	52.4	0.937	0.119	5.3961	
240 minute summer	MH3	4.000	MH2	4.6	0.153	0.011	3.6084	
240 minute summer	MH2	1.004	MH1	56.0	0.820	0.115	7.4062	
240 minute summer	MH1	1.005	MH1.1	58.8	1.006	0.457	2.0678	
240 minute summer	MH1.1	1.006	NEW SW 1	60.7	1.129	0.430	0.8406	
240 minute summer	NEW SW 1	EX1.000	EX SW 1	60.6	3.445	2.284	0.3054	379.7
240 minute summer	MH16	5.000	MH17	16.8	1.645	0.089	0.2267	
240 minute summer	MH14	6.000	MH15	4.7	1.524	0.113	0.0348	
240 minute summer	MH15	6.001	MH17	10.9	0.289	0.036	0.9099	
240 minute summer	MH17	5.001	MH19	24.8	0.353	0.050	7.5012	
240 minute summer	MH11	7.000	MH12	14.1	0.384	0.031	2.7103	
240 minute summer	MH12	7.001	MH13	32.2	0.471	0.105	5.1666	
240 minute summer	MH10	8.000	MH13	25.4	0.377	0.083	4.8582	
240 minute summer	MH13	7.002	MH19	97.3	0.792	0.120	1.6600	
240 minute summer	MH18	5.003	EX SW 3	72.8	3.801	0.407	0.1213	326.4
240 minute summer	MH19	5.002	MH18	75.5	2.543	0.163	0.2582	

Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH9	124	93.737	0.087	15.4	0.3301	0.0000	OK
240 minute winter	MH8	144	93.692	0.139	28.0	0.4791	0.0000	OK
240 minute winter	MH7	144	93.691	0.210	8.6	0.6771	0.0000	OK
240 minute winter	MH6	144	93.691	0.283	43.3	0.8766	0.0000	OK
240 minute winter	MH5	144	93.690	0.313	5.9	0.9313	0.0000	OK
240 minute winter	MH4	144	93.690	0.361	48.3	0.9626	0.0000	OK
240 minute winter	MH3	144	93.689	0.391	3.9	1.1046	0.0000	OK
240 minute winter	MH2	144	93.689	0.444	56.8	1.3665	0.0000	OK
240 minute winter	MH1	144	93.688	0.575	60.6	1.7649	0.0000	SURCHARGED
240 minute winter	MH1.1	144	93.666	0.631	59.0	1.2036	0.0000	SURCHARGED
240 minute winter	NEW SW 1	144	93.651	2.012	58.9	3.5561	0.0000	SURCHARGED
240 minute winter	EX SW 1	84	91.392	0.142	58.9	0.0000	0.0000	OK
240 minute winter	MH16	124	95.693	0.053	12.6	0.1672	0.0000	OK
240 minute winter	MH14	124	95.805	0.030	3.5	0.0568	0.0000	OK
240 minute winter	MH15	132	94.851	0.133	6.0	0.4214	0.0000	OK
240 minute winter	MH17	132	94.852	0.155	18.4	0.4633	0.0000	OK
240 minute winter	MH11	124	94.864	0.064	11.4	0.2316	0.0000	OK
240 minute winter	MH12	132	94.852	0.202	23.5	0.6838	0.0000	OK
240 minute winter	MH10	132	94.850	0.205	15.5	0.8001	0.0000	OK
240 minute winter	MH13	128	94.857	0.279	80.5	0.8297	0.0000	OK
240 minute winter	MH18	116	94.108	0.108	62.2	0.3224	0.0000	OK
240 minute winter	MH19	120	94.852	0.391	137.1	1.7700	0.0000	SURCHARGED
240 minute winter	EX SW 3	116	93.357	0.090	60.9	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)
240 minute winter	MH9	1.000	MH8	15.4	0.548	0.048	1.5488	
240 minute winter	MH8	1.001	MH6	27.9	0.699	0.064	3.1982	
240 minute winter	MH7	2.000	MH6	8.3	0.280	0.019	2.0099	
240 minute winter	MH6	1.002	MH4	42.4	0.839	0.096	2.9612	
240 minute winter	MH5	3.000	MH4	5.1	0.210	0.012	1.9722	
240 minute winter	MH4	1.003	MH2	46.1	0.937	0.105	4.0909	
240 minute winter	MH3	4.000	MH2	4.6	0.132	0.011	2.7874	
240 minute winter	MH2	1.004	MH1	52.9	0.820	0.109	6.6228	
240 minute winter	MH1	1.005	MH1.1	57.0	0.992	0.443	2.0678	
240 minute winter	MH1.1	1.006	NEW SW 1	58.9	1.112	0.418	0.8406	
240 minute winter	NEW SW 1	EX1.000	EX SW 1	58.9	3.348	2.219	0.3054	425.7
240 minute winter	MH16	5.000	MH17	12.6	1.515	0.066	0.1842	
240 minute winter	MH14	6.000	MH15	3.5	1.405	0.085	0.0282	
240 minute winter	MH15	6.001	MH17	6.5	0.283	0.021	0.5481	
240 minute winter	MH17	5.001	MH19	24.2	0.274	0.049	5.7494	
240 minute winter	MH11	7.000	MH12	11.4	0.372	0.025	1.6783	
240 minute winter	MH12	7.001	MH13	23.7	0.464	0.078	3.7737	
240 minute winter	MH10	8.000	MH13	18.2	0.373	0.059	3.5502	
240 minute winter	MH13	7.002	MH19	112.9	0.783	0.139	1.3506	
240 minute winter	MH18	5.003	EX SW 3	60.9	3.647	0.340	0.1054	360.0
240 minute winter	MH19	5.002	MH18	62.2	2.480	0.135	0.2181	

Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH9	184	93.737	0.087	15.6	0.3309	0.0000	OK
360 minute summer	MH8	184	93.653	0.100	28.1	0.3456	0.0000	OK
360 minute summer	MH7	200	93.593	0.112	8.7	0.3595	0.0000	OK
360 minute summer	MH6	200	93.592	0.184	44.3	0.5704	0.0000	OK
360 minute summer	MH5	200	93.590	0.213	6.0	0.6339	0.0000	OK
360 minute summer	MH4	200	93.590	0.261	50.1	0.6958	0.0000	OK
360 minute summer	MH3	200	93.589	0.291	3.9	0.8201	0.0000	OK
360 minute summer	MH2	200	93.588	0.343	54.4	1.0565	0.0000	OK
360 minute summer	MH1	200	93.587	0.474	61.2	1.4555	0.0000	SURCHARGED
360 minute summer	MH1.1	200	93.566	0.531	58.3	1.0132	0.0000	SURCHARGED
360 minute summer	NEW SW 1	200	93.552	1.913	57.6	3.3809	0.0000	SURCHARGED
360 minute summer	EX SW 1	152	91.392	0.142	57.6	0.0000	0.0000	OK
360 minute summer	MH16	184	95.694	0.054	12.7	0.1676	0.0000	OK
360 minute summer	MH14	184	95.806	0.031	3.6	0.0575	0.0000	OK
360 minute summer	MH15	192	94.838	0.120	6.1	0.3794	0.0000	OK
360 minute summer	MH17	192	94.840	0.143	17.9	0.4270	0.0000	OK
360 minute summer	MH11	184	94.864	0.064	11.5	0.2319	0.0000	OK
360 minute summer	MH12	192	94.838	0.188	23.7	0.6369	0.0000	OK
360 minute summer	MH10	192	94.836	0.191	15.7	0.7444	0.0000	OK
360 minute summer	MH13	192	94.845	0.267	81.2	0.7954	0.0000	OK
360 minute summer	MH18	184	94.106	0.106	62.8	0.3153	0.0000	OK
360 minute summer	MH19	184	94.863	0.402	128.2	1.8167	0.0000	SURCHARGED
360 minute summer	EX SW 3	200	93.356	0.089	59.3	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)
360 minute summer	MH9	1.000	MH8	15.4	0.551	0.048	1.2260	
360 minute summer	MH8	1.001	MH6	27.8	0.707	0.063	1.7467	
360 minute summer	MH7	2.000	MH6	8.6	0.276	0.020	1.0053	
360 minute summer	MH6	1.002	MH4	43.9	0.837	0.100	1.8362	
360 minute summer	MH5	3.000	MH4	5.0	0.149	0.011	1.2543	
360 minute summer	MH4	1.003	MH2	45.6	0.940	0.104	2.9021	
360 minute summer	MH3	4.000	MH2	3.8	0.103	0.009	2.0118	
360 minute summer	MH2	1.004	MH1	54.0	0.810	0.111	5.3575	
360 minute summer	MH1	1.005	MH1.1	56.2	0.989	0.437	2.0678	
360 minute summer	MH1.1	1.006	NEW SW 1	57.6	1.109	0.408	0.8406	
360 minute summer	NEW SW 1	EX1.000	EX SW 1	57.6	3.274	2.170	0.3054	417.7
360 minute summer	MH16	5.000	MH17	12.6	1.517	0.067	0.1848	
360 minute summer	MH14	6.000	MH15	3.6	1.415	0.087	0.0287	
360 minute summer	MH15	6.001	MH17	6.2	0.284	0.020	0.4810	
360 minute summer	MH17	5.001	MH19	22.7	0.225	0.046	5.6191	
360 minute summer	MH11	7.000	MH12	11.4	0.363	0.025	1.5320	
360 minute summer	MH12	7.001	MH13	23.7	0.458	0.077	3.5292	
360 minute summer	MH10	8.000	MH13	18.2	0.366	0.059	3.3203	
360 minute summer	MH13	7.002	MH19	105.6	0.754	0.130	1.2838	
360 minute summer	MH18	5.003	EX SW 3	59.3	3.650	0.332	0.1020	367.8
360 minute summer	MH19	5.002	MH18	62.8	2.488	0.136	0.2196	

Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH9	184	93.725	0.075	11.4	0.2858	0.0000	OK
360 minute winter	MH8	184	93.640	0.087	20.7	0.2986	0.0000	OK
360 minute winter	MH7	184	93.531	0.050	6.3	0.1603	0.0000	OK
360 minute winter	MH6	184	93.524	0.116	32.6	0.3594	0.0000	OK
360 minute winter	MH5	184	93.454	0.077	4.3	0.2298	0.0000	OK
360 minute winter	MH4	184	93.454	0.125	38.1	0.3329	0.0000	OK
360 minute winter	MH3	184	93.370	0.072	2.9	0.2030	0.0000	OK
360 minute winter	MH2	184	93.370	0.125	46.9	0.3836	0.0000	OK
360 minute winter	MH1	192	93.311	0.198	53.0	0.6073	0.0000	OK
360 minute winter	MH1.1	192	93.280	0.245	54.3	0.4674	0.0000	OK
360 minute winter	NEW SW 1	192	93.265	1.626	53.7	2.8736	0.0000	SURCHARGED
360 minute winter	EX SW 1	136	91.392	0.142	53.7	0.0000	0.0000	OK
360 minute winter	MH16	184	95.686	0.046	9.3	0.1435	0.0000	OK
360 minute winter	MH14	184	95.801	0.026	2.6	0.0490	0.0000	OK
360 minute winter	MH15	192	94.787	0.069	4.4	0.2193	0.0000	OK
360 minute winter	MH17	184	94.783	0.086	14.2	0.2562	0.0000	OK
360 minute winter	MH11	184	94.856	0.056	8.4	0.2003	0.0000	OK
360 minute winter	MH12	192	94.784	0.134	17.3	0.4555	0.0000	OK
360 minute winter	MH10	192	94.782	0.137	11.4	0.5363	0.0000	OK
360 minute winter	MH13	200	94.788	0.210	69.2	0.6241	0.0000	OK
360 minute winter	MH18	184	94.092	0.092	48.1	0.2741	0.0000	OK
360 minute winter	MH19	192	94.803	0.342	107.7	1.5466	0.0000	OK
360 minute winter	EX SW 3	184	93.347	0.080	49.1	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)
360 minute winter	MH9	1.000	MH8	11.4	0.501	0.035	0.9910	
360 minute winter	MH8	1.001	MH6	20.6	0.656	0.047	1.1215	
360 minute winter	MH7	2.000	MH6	6.3	0.269	0.015	0.4521	
360 minute winter	MH6	1.002	MH4	32.5	0.807	0.074	0.7746	
360 minute winter	MH5	3.000	MH4	4.3	0.143	0.010	0.3844	
360 minute winter	MH4	1.003	MH2	38.1	0.906	0.086	0.8641	
360 minute winter	MH3	4.000	MH2	2.9	0.097	0.007	0.4086	
360 minute winter	MH2	1.004	MH1	46.9	0.814	0.096	1.6112	
360 minute winter	MH1	1.005	MH1.1	52.6	0.997	0.409	1.2668	
360 minute winter	MH1.1	1.006	NEW SW 1	53.7	1.121	0.381	0.6118	
360 minute winter	NEW SW 1	EX1.000	EX SW 1	53.7	3.049	2.021	0.3054	468.1
360 minute winter	MH16	5.000	MH17	9.3	1.390	0.049	0.1481	
360 minute winter	MH14	6.000	MH15	2.6	1.289	0.063	0.0228	
360 minute winter	MH15	6.001	MH17	5.0	0.279	0.016	0.2241	
360 minute winter	MH17	5.001	MH19	19.0	0.229	0.039	4.3774	
360 minute winter	MH11	7.000	MH12	8.4	0.366	0.018	1.0165	
360 minute winter	MH12	7.001	MH13	21.7	0.456	0.071	2.3904	
360 minute winter	MH10	8.000	MH13	16.5	0.361	0.054	2.2414	
360 minute winter	MH13	7.002	MH19	88.7	0.787	0.110	1.0192	
360 minute winter	MH18	5.003	EX SW 3	49.1	3.523	0.274	0.0875	400.0
360 minute winter	MH19	5.002	MH18	48.1	2.381	0.104	0.1758	

Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH9	248	93.728	0.078	12.2	0.2957	0.0000	OK
480 minute summer	MH8	248	93.643	0.090	22.2	0.3096	0.0000	OK
480 minute summer	MH7	248	93.533	0.052	6.8	0.1663	0.0000	OK
480 minute summer	MH6	248	93.529	0.121	35.1	0.3744	0.0000	OK
480 minute summer	MH5	248	93.460	0.083	4.7	0.2457	0.0000	OK
480 minute summer	MH4	248	93.459	0.130	41.1	0.3472	0.0000	OK
480 minute summer	MH3	256	93.389	0.091	3.1	0.2580	0.0000	OK
480 minute summer	MH2	256	93.389	0.144	50.0	0.4433	0.0000	OK
480 minute summer	MH1	256	93.388	0.275	55.6	0.8449	0.0000	OK
480 minute summer	MH1.1	256	93.374	0.339	56.5	0.6462	0.0000	OK
480 minute summer	NEW SW 1	256	93.363	1.724	55.2	3.0469	0.0000	SURCHARGED
480 minute summer	EX SW 1	208	91.392	0.142	55.1	0.0000	0.0000	OK
480 minute summer	MH16	248	95.688	0.048	10.0	0.1489	0.0000	OK
480 minute summer	MH14	248	95.802	0.027	2.8	0.0508	0.0000	OK
480 minute summer	MH15	248	94.796	0.078	4.8	0.2480	0.0000	OK
480 minute summer	MH17	248	94.799	0.102	15.2	0.3049	0.0000	OK
480 minute summer	MH11	248	94.857	0.057	9.0	0.2070	0.0000	OK
480 minute summer	MH12	248	94.795	0.145	18.6	0.4904	0.0000	OK
480 minute summer	MH10	248	94.790	0.145	12.3	0.5676	0.0000	OK
480 minute summer	MH13	248	94.816	0.238	77.4	0.7064	0.0000	OK
480 minute summer	MH18	256	94.099	0.099	51.7	0.2956	0.0000	OK
480 minute summer	MH19	256	94.796	0.335	114.5	1.5140	0.0000	OK
480 minute summer	EX SW 3	256	93.352	0.085	54.5	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)
480 minute summer	MH9	1.000	MH8	12.2	0.511	0.038	1.0422	
480 minute summer	MH8	1.001	MH6	22.2	0.669	0.051	1.1857	
480 minute summer	MH7	2.000	MH6	6.8	0.275	0.016	0.4786	
480 minute summer	MH6	1.002	MH4	35.1	0.821	0.080	0.8217	
480 minute summer	MH5	3.000	MH4	4.7	0.140	0.011	0.4134	
480 minute summer	MH4	1.003	MH2	41.0	0.906	0.093	0.9552	
480 minute summer	MH3	4.000	MH2	3.0	0.097	0.007	0.5258	
480 minute summer	MH2	1.004	MH1	49.1	0.814	0.101	2.3506	
480 minute summer	MH1	1.005	MH1.1	54.6	0.983	0.424	1.7946	
480 minute summer	MH1.1	1.006	NEW SW 1	55.2	1.101	0.391	0.8168	
480 minute summer	NEW SW 1	EX1.000	EX SW 1	55.1	3.127	2.073	0.3054	447.9
480 minute summer	MH16	5.000	MH17	10.0	1.420	0.053	0.1562	
480 minute summer	MH14	6.000	MH15	2.8	1.318	0.068	0.0241	
480 minute summer	MH15	6.001	MH17	5.2	0.282	0.017	0.2806	
480 minute summer	MH17	5.001	MH19	19.3	0.229	0.039	4.3395	
480 minute summer	MH11	7.000	MH12	9.0	0.360	0.020	1.1192	
480 minute summer	MH12	7.001	MH13	22.3	0.468	0.073	2.7967	
480 minute summer	MH10	8.000	MH13	16.0	0.376	0.052	2.6169	
480 minute summer	MH13	7.002	MH19	95.2	0.809	0.118	1.0497	
480 minute summer	MH18	5.003	EX SW 3	54.5	3.576	0.304	0.0955	375.9
480 minute summer	MH19	5.002	MH18	51.7	2.393	0.112	0.1880	

Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH9	248	93.718	0.068	9.1	0.2575	0.0000	OK
480 minute winter	MH8	248	93.631	0.078	16.5	0.2686	0.0000	OK
480 minute winter	MH7	248	93.526	0.045	5.1	0.1454	0.0000	OK
480 minute winter	MH6	248	93.512	0.104	26.2	0.3203	0.0000	OK
480 minute winter	MH5	248	93.441	0.064	3.5	0.1902	0.0000	OK
480 minute winter	MH4	248	93.441	0.112	30.7	0.2974	0.0000	OK
480 minute winter	MH3	248	93.357	0.059	2.3	0.1666	0.0000	OK
480 minute winter	MH2	248	93.357	0.112	37.7	0.3440	0.0000	OK
480 minute winter	MH1	248	93.273	0.160	42.6	0.4918	0.0000	OK
480 minute winter	MH1.1	248	93.193	0.158	44.0	0.3019	0.0000	OK
480 minute winter	NEW SW 1	248	92.650	1.011	44.0	1.7870	0.0000	SURCHARGED
480 minute winter	EX SW 1	192	91.392	0.142	44.0	0.0000	0.0000	OK
480 minute winter	MH16	248	95.681	0.041	7.4	0.1283	0.0000	OK
480 minute winter	MH14	248	95.798	0.023	2.1	0.0440	0.0000	OK
480 minute winter	MH15	248	94.768	0.050	3.6	0.1577	0.0000	OK
480 minute winter	MH17	240	94.760	0.063	11.0	0.1893	0.0000	OK
480 minute winter	MH11	248	94.850	0.050	6.7	0.1803	0.0000	OK
480 minute winter	MH12	248	94.750	0.100	13.8	0.3395	0.0000	OK
480 minute winter	MH10	248	94.747	0.102	9.2	0.3962	0.0000	OK
480 minute winter	MH13	256	94.761	0.183	36.5	0.5447	0.0000	OK
480 minute winter	MH18	264	94.085	0.085	43.0	0.2524	0.0000	OK
480 minute winter	MH19	248	94.773	0.312	71.5	1.4136	0.0000	OK
480 minute winter	EX SW 3	264	93.340	0.073	41.5	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)
480 minute winter	MH9	1.000	MH8	9.1	0.468	0.028	0.8484	
480 minute winter	MH8	1.001	MH6	16.5	0.617	0.038	0.9535	
480 minute winter	MH7	2.000	MH6	5.1	0.255	0.012	0.3848	
480 minute winter	MH6	1.002	MH4	26.2	0.766	0.060	0.6574	
480 minute winter	MH5	3.000	MH4	3.5	0.138	0.008	0.3149	
480 minute winter	MH4	1.003	MH2	30.7	0.850	0.070	0.7370	
480 minute winter	MH3	4.000	MH2	2.3	0.100	0.005	0.3359	
480 minute winter	MH2	1.004	MH1	37.7	0.788	0.078	1.2744	
480 minute winter	MH1	1.005	MH1.1	42.6	0.957	0.331	0.8344	
480 minute winter	MH1.1	1.006	NEW SW 1	44.0	1.071	0.312	0.3132	
480 minute winter	NEW SW 1	EX1.000	EX SW 1	44.0	2.499	1.656	0.3054	502.2
480 minute winter	MH16	5.000	MH17	7.4	1.301	0.039	0.1261	
480 minute winter	MH14	6.000	MH15	2.1	1.214	0.051	0.0196	
480 minute winter	MH15	6.001	MH17	3.6	0.277	0.012	0.1399	
480 minute winter	MH17	5.001	MH19	11.9	0.196	0.024	3.7670	
480 minute winter	MH11	7.000	MH12	6.7	0.360	0.015	0.7131	
480 minute winter	MH12	7.001	MH13	16.8	0.454	0.055	1.8224	
480 minute winter	MH10	8.000	MH13	12.2	0.364	0.040	1.6891	
480 minute winter	MH13	7.002	MH19	61.4	0.757	0.076	0.8315	
480 minute winter	MH18	5.003	EX SW 3	41.5	3.342	0.232	0.0778	424.5
480 minute winter	MH19	5.002	MH18	43.0	2.331	0.093	0.1605	

Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH9	315	93.721	0.071	9.9	0.2678	0.0000	OK
600 minute summer	MH8	315	93.634	0.081	18.0	0.2799	0.0000	OK
600 minute summer	MH7	315	93.528	0.047	5.5	0.1505	0.0000	OK
600 minute summer	MH6	315	93.516	0.108	28.5	0.3348	0.0000	OK
600 minute summer	MH5	315	93.446	0.069	3.8	0.2053	0.0000	OK
600 minute summer	MH4	315	93.446	0.117	33.4	0.3109	0.0000	OK
600 minute summer	MH3	315	93.362	0.064	2.5	0.1819	0.0000	OK
600 minute summer	MH2	315	93.362	0.117	41.1	0.3607	0.0000	OK
600 minute summer	MH1	315	93.282	0.169	46.4	0.5175	0.0000	OK
600 minute summer	MH1.1	315	93.201	0.166	47.9	0.3168	0.0000	OK
600 minute summer	NEW SW 1	315	92.884	1.245	47.9	2.2005	0.0000	SURCHARGED
600 minute summer	EX SW 1	270	91.392	0.142	47.9	0.0000	0.0000	OK
600 minute summer	MH16	315	95.683	0.043	8.1	0.1341	0.0000	OK
600 minute summer	MH14	315	95.800	0.025	2.3	0.0461	0.0000	OK
600 minute summer	MH15	315	94.774	0.056	3.9	0.1758	0.0000	OK
600 minute summer	MH17	315	94.767	0.070	11.9	0.2100	0.0000	OK
600 minute summer	MH11	315	94.852	0.052	7.4	0.1891	0.0000	OK
600 minute summer	MH12	315	94.762	0.112	15.2	0.3804	0.0000	OK
600 minute summer	MH10	315	94.758	0.113	10.0	0.4420	0.0000	OK
600 minute summer	MH13	330	94.758	0.180	47.7	0.5340	0.0000	OK
600 minute summer	MH18	300	94.082	0.082	42.0	0.2443	0.0000	OK
600 minute summer	MH19	300	94.772	0.311	98.5	1.4091	0.0000	OK
600 minute summer	EX SW 3	300	93.338	0.071	38.5	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)
600 minute summer	MH9	1.000	MH8	9.9	0.480	0.031	0.9008	
600 minute summer	MH8	1.001	MH6	18.0	0.633	0.041	1.0154	
600 minute summer	MH7	2.000	MH6	5.5	0.260	0.013	0.4092	
600 minute summer	MH6	1.002	MH4	28.5	0.781	0.065	0.7009	
600 minute summer	MH5	3.000	MH4	3.8	0.142	0.009	0.3409	
600 minute summer	MH4	1.003	MH2	33.4	0.866	0.076	0.7871	
600 minute summer	MH3	4.000	MH2	2.5	0.099	0.006	0.3656	
600 minute summer	MH2	1.004	MH1	41.1	0.801	0.085	1.3670	
600 minute summer	MH1	1.005	MH1.1	46.4	0.977	0.361	0.8908	
600 minute summer	MH1.1	1.006	NEW SW 1	47.9	1.095	0.340	0.3335	
600 minute summer	NEW SW 1	EX1.000	EX SW 1	47.9	2.721	1.804	0.3054	470.4
600 minute summer	MH16	5.000	MH17	8.1	1.335	0.043	0.1345	
600 minute summer	MH14	6.000	MH15	2.3	1.245	0.056	0.0209	
600 minute summer	MH15	6.001	MH17	3.8	0.275	0.013	0.1654	
600 minute summer	MH17	5.001	MH19	14.9	0.198	0.030	3.7713	
600 minute summer	MH11	7.000	MH12	7.4	0.358	0.016	0.8197	
600 minute summer	MH12	7.001	MH13	15.3	0.465	0.050	1.9008	
600 minute summer	MH10	8.000	MH13	10.7	0.370	0.035	1.7822	
600 minute summer	MH13	7.002	MH19	83.6	0.788	0.103	0.9054	
600 minute summer	MH18	5.003	EX SW 3	38.5	3.264	0.215	0.0741	403.4
600 minute summer	MH19	5.002	MH18	42.0	2.322	0.091	0.1574	

Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH9	315	93.712	0.062	7.6	0.2363	0.0000	OK
600 minute winter	MH8	315	93.625	0.072	13.8	0.2467	0.0000	OK
600 minute winter	MH7	315	93.522	0.041	4.2	0.1332	0.0000	OK
600 minute winter	MH6	315	93.502	0.094	21.8	0.2905	0.0000	OK
600 minute winter	MH5	315	93.431	0.054	2.9	0.1604	0.0000	OK
600 minute winter	MH4	315	93.431	0.102	25.6	0.2705	0.0000	OK
600 minute winter	MH3	315	93.347	0.049	1.9	0.1373	0.0000	OK
600 minute winter	MH2	315	93.346	0.101	31.4	0.3120	0.0000	OK
600 minute winter	MH1	315	93.257	0.144	35.5	0.4420	0.0000	OK
600 minute winter	MH1.1	315	93.178	0.143	36.7	0.2728	0.0000	OK
600 minute winter	NEW SW 1	315	92.268	0.629	36.7	1.1116	0.0000	SURCHARGED
600 minute winter	EX SW 1	270	91.392	0.142	36.7	0.0000	0.0000	OK
600 minute winter	MH16	315	95.678	0.038	6.2	0.1177	0.0000	OK
600 minute winter	MH14	300	95.796	0.021	1.7	0.0397	0.0000	OK
600 minute winter	MH15	315	94.761	0.043	2.9	0.1361	0.0000	OK
600 minute winter	MH17	315	94.753	0.056	9.1	0.1665	0.0000	OK
600 minute winter	MH11	315	94.846	0.046	5.6	0.1659	0.0000	OK
600 minute winter	MH12	315	94.731	0.081	11.6	0.2759	0.0000	OK
600 minute winter	MH10	315	94.717	0.072	7.7	0.2808	0.0000	OK
600 minute winter	MH13	315	94.734	0.156	29.5	0.4632	0.0000	OK
600 minute winter	MH18	345	94.073	0.073	32.5	0.2189	0.0000	OK
600 minute winter	MH19	345	94.719	0.258	63.7	1.1674	0.0000	OK
600 minute winter	EX SW 3	345	93.332	0.065	32.8	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)
600 minute winter	MH9	1.000	MH8	7.6	0.444	0.024	0.7491	
600 minute winter	MH8	1.001	MH6	13.8	0.590	0.031	0.8336	
600 minute winter	MH7	2.000	MH6	4.2	0.242	0.010	0.3345	
600 minute winter	MH6	1.002	MH4	21.8	0.732	0.050	0.5720	
600 minute winter	MH5	3.000	MH4	2.9	0.139	0.007	0.2653	
600 minute winter	MH4	1.003	MH2	25.6	0.815	0.058	0.6413	
600 minute winter	MH3	4.000	MH2	1.9	0.096	0.004	0.2804	
600 minute winter	MH2	1.004	MH1	31.4	0.760	0.065	1.0999	
600 minute winter	MH1	1.005	MH1.1	35.5	0.917	0.276	0.7260	
600 minute winter	MH1.1	1.006	NEW SW 1	36.7	1.021	0.260	0.2740	
600 minute winter	NEW SW 1	EX1.000	EX SW 1	36.7	2.085	1.382	0.3054	529.7
600 minute winter	MH16	5.000	MH17	6.2	1.234	0.033	0.1114	
600 minute winter	MH14	6.000	MH15	1.7	1.141	0.041	0.0169	
600 minute winter	MH15	6.001	MH17	2.9	0.270	0.009	0.1155	
600 minute winter	MH17	5.001	MH19	9.1	0.172	0.018	2.9395	
600 minute winter	MH11	7.000	MH12	5.6	0.354	0.012	0.5546	
600 minute winter	MH12	7.001	MH13	11.6	0.461	0.038	1.4487	
600 minute winter	MH10	8.000	MH13	8.0	0.367	0.026	1.2893	
600 minute winter	MH13	7.002	MH19	55.0	0.734	0.068	0.6851	
600 minute winter	MH18	5.003	EX SW 3	32.8	3.174	0.183	0.0648	447.2
600 minute winter	MH19	5.002	MH18	32.5	2.197	0.070	0.1288	

Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH9	375	93.717	0.067	8.8	0.2535	0.0000	OK
720 minute summer	MH8	375	93.630	0.077	16.0	0.2647	0.0000	OK
720 minute summer	MH7	375	93.525	0.044	4.9	0.1427	0.0000	OK
720 minute summer	MH6	375	93.510	0.102	25.3	0.3145	0.0000	OK
720 minute summer	MH5	375	93.439	0.062	3.4	0.1846	0.0000	OK
720 minute summer	MH4	375	93.439	0.110	29.7	0.2923	0.0000	OK
720 minute summer	MH3	375	93.355	0.057	2.2	0.1613	0.0000	OK
720 minute summer	MH2	375	93.355	0.110	36.5	0.3383	0.0000	OK
720 minute summer	MH1	375	93.270	0.157	41.2	0.4821	0.0000	OK
720 minute summer	MH1.1	375	93.190	0.155	42.5	0.2961	0.0000	OK
720 minute summer	NEW SW 1	375	92.567	0.928	42.5	1.6395	0.0000	SURCHARGED
720 minute summer	EX SW 1	345	91.392	0.142	42.5	0.0000	0.0000	OK
720 minute summer	MH16	375	95.681	0.040	7.2	0.1266	0.0000	OK
720 minute summer	MH14	375	95.798	0.023	2.0	0.0430	0.0000	OK
720 minute summer	MH15	375	94.766	0.048	3.4	0.1514	0.0000	OK
720 minute summer	MH17	375	94.758	0.061	10.6	0.1821	0.0000	OK
720 minute summer	MH11	375	94.849	0.049	6.5	0.1778	0.0000	OK
720 minute summer	MH12	375	94.746	0.096	13.4	0.3267	0.0000	OK
720 minute summer	MH10	375	94.742	0.097	8.9	0.3793	0.0000	OK
720 minute summer	MH13	390	94.714	0.136	42.9	0.4035	0.0000	OK
720 minute summer	MH18	375	94.084	0.084	42.6	0.2520	0.0000	OK
720 minute summer	MH19	375	94.767	0.306	73.3	1.3837	0.0000	OK
720 minute summer	EX SW 3	375	93.340	0.073	41.1	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)
720 minute summer	MH9	1.000	MH8	8.8	0.463	0.027	0.8297	
720 minute summer	MH8	1.001	MH6	16.0	0.613	0.036	0.9307	
720 minute summer	MH7	2.000	MH6	4.9	0.253	0.011	0.3747	
720 minute summer	MH6	1.002	MH4	25.3	0.760	0.057	0.6408	
720 minute summer	MH5	3.000	MH4	3.4	0.143	0.008	0.3055	
720 minute summer	MH4	1.003	MH2	29.7	0.843	0.067	0.7190	
720 minute summer	MH3	4.000	MH2	2.2	0.097	0.005	0.3255	
720 minute summer	MH2	1.004	MH1	36.5	0.784	0.075	1.2408	
720 minute summer	MH1	1.005	MH1.1	41.2	0.950	0.320	0.8129	
720 minute summer	MH1.1	1.006	NEW SW 1	42.5	1.062	0.301	0.3053	
720 minute summer	NEW SW 1	EX1.000	EX SW 1	42.5	2.414	1.600	0.3054	490.8
720 minute summer	MH16	5.000	MH17	7.2	1.291	0.038	0.1237	
720 minute summer	MH14	6.000	MH15	2.0	1.197	0.048	0.0189	
720 minute summer	MH15	6.001	MH17	3.4	0.277	0.011	0.1335	
720 minute summer	MH17	5.001	MH19	10.2	0.161	0.021	3.6626	
720 minute summer	MH11	7.000	MH12	6.5	0.352	0.014	0.6806	
720 minute summer	MH12	7.001	MH13	14.0	0.442	0.046	1.3349	
720 minute summer	MH10	8.000	MH13	10.0	0.355	0.033	1.2518	
720 minute summer	MH13	7.002	MH19	64.2	0.767	0.079	0.8027	
720 minute summer	MH18	5.003	EX SW 3	41.1	3.328	0.230	0.0775	432.9
720 minute summer	MH19	5.002	MH18	42.6	2.325	0.092	0.1592	

Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH9	375	93.708	0.058	6.6	0.2209	0.0000	OK
720 minute winter	MH8	375	93.620	0.067	12.0	0.2312	0.0000	OK
720 minute winter	MH7	375	93.520	0.039	3.7	0.1259	0.0000	OK
720 minute winter	MH6	375	93.495	0.087	19.0	0.2704	0.0000	OK
720 minute winter	MH5	375	93.424	0.047	2.5	0.1399	0.0000	OK
720 minute winter	MH4	375	93.424	0.095	22.3	0.2520	0.0000	OK
720 minute winter	MH3	375	93.340	0.042	1.7	0.1188	0.0000	OK
720 minute winter	MH2	375	93.340	0.095	27.4	0.2916	0.0000	OK
720 minute winter	MH1	375	93.246	0.133	30.9	0.4082	0.0000	OK
720 minute winter	MH1.1	375	93.167	0.132	31.9	0.2525	0.0000	OK
720 minute winter	NEW SW 1	375	92.054	0.415	31.9	0.7331	0.0000	SURCHARGED
720 minute winter	EX SW 1	330	91.392	0.142	31.9	0.0000	0.0000	OK
720 minute winter	MH16	375	95.675	0.035	5.4	0.1101	0.0000	OK
720 minute winter	MH14	360	95.795	0.020	1.5	0.0373	0.0000	OK
720 minute winter	MH15	375	94.758	0.040	2.6	0.1273	0.0000	OK
720 minute winter	MH17	375	94.750	0.053	8.0	0.1569	0.0000	OK
720 minute winter	MH11	375	94.843	0.043	4.9	0.1561	0.0000	OK
720 minute winter	MH12	375	94.724	0.074	10.1	0.2519	0.0000	OK
720 minute winter	MH10	360	94.709	0.064	6.7	0.2510	0.0000	OK
720 minute winter	MH13	390	94.692	0.114	38.2	0.3403	0.0000	OK
720 minute winter	MH18	360	94.071	0.071	31.4	0.2134	0.0000	OK
720 minute winter	MH19	360	94.715	0.254	47.4	1.1481	0.0000	OK
720 minute winter	EX SW 3	360	93.330	0.063	31.3	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)
720 minute winter	MH9	1.000	MH8	6.6	0.424	0.020	0.6790	
720 minute winter	MH8	1.001	MH6	12.0	0.568	0.027	0.7535	
720 minute winter	MH7	2.000	MH6	3.7	0.235	0.009	0.3028	
720 minute winter	MH6	1.002	MH4	19.0	0.708	0.043	0.5159	
720 minute winter	MH5	3.000	MH4	2.5	0.139	0.006	0.2331	
720 minute winter	MH4	1.003	MH2	22.3	0.785	0.051	0.5799	
720 minute winter	MH3	4.000	MH2	1.7	0.097	0.004	0.2469	
720 minute winter	MH2	1.004	MH1	27.4	0.738	0.056	0.9879	
720 minute winter	MH1	1.005	MH1.1	30.9	0.888	0.240	0.6528	
720 minute winter	MH1.1	1.006	NEW SW 1	31.9	0.984	0.226	0.2472	
720 minute winter	NEW SW 1	EX1.000	EX SW 1	31.9	1.812	1.201	0.3055	552.6
720 minute winter	MH16	5.000	MH17	5.4	1.184	0.028	0.1011	
720 minute winter	MH14	6.000	MH15	1.5	1.100	0.036	0.0155	
720 minute winter	MH15	6.001	MH17	2.6	0.261	0.009	0.1049	
720 minute winter	MH17	5.001	MH19	8.0	0.161	0.016	2.8790	
720 minute winter	MH11	7.000	MH12	4.9	0.346	0.011	0.4918	
720 minute winter	MH12	7.001	MH13	10.5	0.459	0.034	1.0171	
720 minute winter	MH10	8.000	MH13	7.7	0.363	0.025	0.8807	
720 minute winter	MH13	7.002	MH19	40.2	0.656	0.050	0.6020	
720 minute winter	MH18	5.003	EX SW 3	31.3	3.152	0.175	0.0626	482.6
720 minute winter	MH19	5.002	MH18	31.4	2.182	0.068	0.1251	

Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH9	495	93.711	0.061	7.2	0.2303	0.0000	OK
960 minute summer	MH8	495	93.623	0.070	13.1	0.2408	0.0000	OK
960 minute summer	MH7	495	93.522	0.041	4.0	0.1304	0.0000	OK
960 minute summer	MH6	495	93.499	0.091	20.7	0.2828	0.0000	OK
960 minute summer	MH5	495	93.428	0.051	2.7	0.1517	0.0000	OK
960 minute summer	MH4	495	93.428	0.099	24.2	0.2627	0.0000	OK
960 minute summer	MH3	495	93.344	0.046	1.8	0.1294	0.0000	OK
960 minute summer	MH2	495	93.344	0.099	29.7	0.3033	0.0000	OK
960 minute summer	MH1	495	93.252	0.139	33.5	0.4275	0.0000	OK
960 minute summer	MH1.1	495	93.173	0.138	34.6	0.2640	0.0000	OK
960 minute summer	NEW SW 1	495	92.171	0.532	34.6	0.9395	0.0000	SURCHARGED
960 minute summer	EX SW 1	465	91.392	0.142	34.6	0.0000	0.0000	OK
960 minute summer	MH16	495	95.677	0.037	5.9	0.1149	0.0000	OK
960 minute summer	MH14	495	95.796	0.021	1.6	0.0385	0.0000	OK
960 minute summer	MH15	495	94.760	0.042	2.8	0.1331	0.0000	OK
960 minute summer	MH17	495	94.752	0.055	8.7	0.1631	0.0000	OK
960 minute summer	MH11	495	94.845	0.045	5.3	0.1618	0.0000	OK
960 minute summer	MH12	495	94.729	0.079	11.0	0.2684	0.0000	OK
960 minute summer	MH10	495	94.716	0.071	7.3	0.2768	0.0000	OK
960 minute summer	MH13	480	94.718	0.140	44.4	0.4156	0.0000	OK
960 minute summer	MH18	495	94.074	0.074	32.1	0.2216	0.0000	OK
960 minute summer	MH19	495	94.714	0.253	58.7	1.1450	0.0000	OK
960 minute summer	EX SW 3	495	93.333	0.066	33.9	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)
960 minute summer	MH9	1.000	MH8	7.2	0.437	0.022	0.7219	
960 minute summer	MH8	1.001	MH6	13.1	0.582	0.030	0.8024	
960 minute summer	MH7	2.000	MH6	4.0	0.240	0.009	0.3220	
960 minute summer	MH6	1.002	MH4	20.7	0.725	0.047	0.5492	
960 minute summer	MH5	3.000	MH4	2.7	0.140	0.006	0.2516	
960 minute summer	MH4	1.003	MH2	24.2	0.803	0.055	0.6153	
960 minute summer	MH3	4.000	MH2	1.8	0.096	0.004	0.2660	
960 minute summer	MH2	1.004	MH1	29.7	0.752	0.061	1.0518	
960 minute summer	MH1	1.005	MH1.1	33.5	0.905	0.261	0.6944	
960 minute summer	MH1.1	1.006	NEW SW 1	34.6	1.005	0.245	0.2624	
960 minute summer	NEW SW 1	EX1.000	EX SW 1	34.6	1.966	1.303	0.3054	526.3
960 minute summer	MH16	5.000	MH17	5.9	1.216	0.031	0.1076	
960 minute summer	MH14	6.000	MH15	1.6	1.121	0.039	0.0162	
960 minute summer	MH15	6.001	MH17	2.8	0.265	0.009	0.1118	
960 minute summer	MH17	5.001	MH19	8.7	0.170	0.018	2.8872	
960 minute summer	MH11	7.000	MH12	5.3	0.354	0.012	0.5327	
960 minute summer	MH12	7.001	MH13	12.0	0.455	0.039	1.2687	
960 minute summer	MH10	8.000	MH13	9.4	0.365	0.031	1.1147	
960 minute summer	MH13	7.002	MH19	50.9	0.727	0.063	0.6500	
960 minute summer	MH18	5.003	EX SW 3	33.9	3.217	0.190	0.0662	443.6
960 minute summer	MH19	5.002	MH18	32.1	2.179	0.069	0.1279	

Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH9	495	93.703	0.053	5.3	0.1996	0.0000	OK
960 minute winter	MH8	495	93.614	0.061	9.7	0.2088	0.0000	OK
960 minute winter	MH7	495	93.516	0.035	3.0	0.1137	0.0000	OK
960 minute winter	MH6	495	93.486	0.078	15.4	0.2428	0.0000	OK
960 minute winter	MH5	495	93.414	0.037	2.0	0.1111	0.0000	OK
960 minute winter	MH4	495	93.414	0.085	18.0	0.2259	0.0000	OK
960 minute winter	MH3	495	93.331	0.033	1.3	0.0924	0.0000	OK
960 minute winter	MH2	495	93.330	0.085	22.1	0.2628	0.0000	OK
960 minute winter	MH1	495	93.231	0.118	25.0	0.3626	0.0000	OK
960 minute winter	MH1.1	495	93.153	0.118	25.8	0.2249	0.0000	OK
960 minute winter	NEW SW 1	495	91.772	0.133	25.8	0.2346	0.0000	OK
960 minute winter	EX SW 1	495	91.390	0.140	25.8	0.0000	0.0000	OK
960 minute winter	MH16	495	95.672	0.032	4.4	0.0998	0.0000	OK
960 minute winter	MH14	480	95.793	0.018	1.2	0.0335	0.0000	OK
960 minute winter	MH15	495	94.754	0.036	2.1	0.1129	0.0000	OK
960 minute winter	MH17	495	94.745	0.048	6.5	0.1422	0.0000	OK
960 minute winter	MH11	495	94.840	0.040	4.0	0.1427	0.0000	OK
960 minute winter	MH12	495	94.717	0.067	8.2	0.2253	0.0000	OK
960 minute winter	MH10	495	94.699	0.054	5.4	0.2127	0.0000	OK
960 minute winter	MH13	480	94.684	0.106	20.0	0.3156	0.0000	OK
960 minute winter	MH18	540	94.057	0.057	20.7	0.1704	0.0000	OK
960 minute winter	MH19	450	94.669	0.208	43.0	0.9408	0.0000	OK
960 minute winter	EX SW 3	540	93.319	0.052	21.4	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)
960 minute winter	MH9	1.000	MH8	5.3	0.396	0.016	0.5836	
960 minute winter	MH8	1.001	MH6	9.7	0.536	0.022	0.6456	
960 minute winter	MH7	2.000	MH6	3.0	0.223	0.007	0.2592	
960 minute winter	MH6	1.002	MH4	15.4	0.672	0.035	0.4403	
960 minute winter	MH5	3.000	MH4	2.0	0.139	0.005	0.1899	
960 minute winter	MH4	1.003	MH2	18.0	0.739	0.041	0.4970	
960 minute winter	MH3	4.000	MH2	1.3	0.098	0.003	0.2027	
960 minute winter	MH2	1.004	MH1	22.1	0.700	0.045	0.8401	
960 minute winter	MH1	1.005	MH1.1	25.0	0.843	0.194	0.5558	
960 minute winter	MH1.1	1.006	NEW SW 1	25.8	0.930	0.183	0.2115	
960 minute winter	NEW SW 1	EX1.000	EX SW 1	25.8	1.633	0.971	0.2942	589.9
960 minute winter	MH16	5.000	MH17	4.4	1.115	0.023	0.0875	
960 minute winter	MH14	6.000	MH15	1.2	1.028	0.029	0.0132	
960 minute winter	MH15	6.001	MH17	2.1	0.248	0.007	0.0899	
960 minute winter	MH17	5.001	MH19	6.5	0.159	0.013	2.2180	
960 minute winter	MH11	7.000	MH12	4.0	0.331	0.009	0.4196	
960 minute winter	MH12	7.001	MH13	8.2	0.457	0.027	0.9037	
960 minute winter	MH10	8.000	MH13	5.4	0.360	0.018	0.7717	
960 minute winter	MH13	7.002	MH19	36.7	0.664	0.045	0.4875	
960 minute winter	MH18	5.003	EX SW 3	21.4	2.872	0.119	0.0467	496.2
960 minute winter	MH19	5.002	MH18	20.7	1.999	0.045	0.0899	

Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH9	750	93.702	0.052	5.2	0.1977	0.0000	OK
1440 minute summer	MH8	750	93.613	0.060	9.4	0.2057	0.0000	OK
1440 minute summer	MH7	750	93.516	0.035	2.9	0.1119	0.0000	OK
1440 minute summer	MH6	750	93.485	0.077	14.9	0.2387	0.0000	OK
1440 minute summer	MH5	750	93.413	0.036	2.0	0.1077	0.0000	OK
1440 minute summer	MH4	750	93.413	0.084	17.5	0.2227	0.0000	OK
1440 minute summer	MH3	750	93.330	0.032	1.3	0.0894	0.0000	OK
1440 minute summer	MH2	750	93.329	0.084	21.5	0.2594	0.0000	OK
1440 minute summer	MH1	750	93.229	0.116	24.3	0.3570	0.0000	OK
1440 minute summer	MH1.1	750	93.151	0.116	25.1	0.2216	0.0000	OK
1440 minute summer	NEW SW 1	750	91.768	0.129	25.1	0.2274	0.0000	OK
1440 minute summer	EX SW 1	750	91.366	0.116	25.1	0.0000	0.0000	OK
1440 minute summer	MH16	750	95.671	0.031	4.2	0.0976	0.0000	OK
1440 minute summer	MH14	750	95.793	0.018	1.2	0.0335	0.0000	OK
1440 minute summer	MH15	750	94.753	0.035	2.0	0.1099	0.0000	OK
1440 minute summer	MH17	750	94.744	0.047	6.2	0.1392	0.0000	OK
1440 minute summer	MH11	750	94.839	0.039	3.8	0.1392	0.0000	OK
1440 minute summer	MH12	750	94.716	0.066	7.9	0.2219	0.0000	OK
1440 minute summer	MH10	750	94.699	0.054	5.2	0.2090	0.0000	OK
1440 minute summer	MH13	720	94.676	0.098	23.5	0.2909	0.0000	OK
1440 minute summer	MH18	750	94.061	0.061	22.8	0.1813	0.0000	OK
1440 minute summer	MH19	750	94.672	0.211	24.5	0.9543	0.0000	OK
1440 minute summer	EX SW 3	750	93.322	0.055	23.8	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)
1440 minute summer	MH9	1.000	MH8	5.2	0.396	0.016	0.5733	
1440 minute summer	MH8	1.001	MH6	9.4	0.532	0.021	0.6308	
1440 minute summer	MH7	2.000	MH6	2.9	0.221	0.007	0.2530	
1440 minute summer	MH6	1.002	MH4	14.9	0.666	0.034	0.4306	
1440 minute summer	MH5	3.000	MH4	2.0	0.138	0.005	0.1851	
1440 minute summer	MH4	1.003	MH2	17.5	0.733	0.040	0.4871	
1440 minute summer	MH3	4.000	MH2	1.3	0.097	0.003	0.1976	
1440 minute summer	MH2	1.004	MH1	21.5	0.696	0.044	0.8226	
1440 minute summer	MH1	1.005	MH1.1	24.3	0.837	0.189	0.5441	
1440 minute summer	MH1.1	1.006	NEW SW 1	25.1	0.923	0.178	0.2072	
1440 minute summer	NEW SW 1	EX1.000	EX SW 1	25.1	1.632	0.945	0.2689	578.5
1440 minute summer	MH16	5.000	MH17	4.2	1.099	0.022	0.0847	
1440 minute summer	MH14	6.000	MH15	1.2	1.028	0.029	0.0132	
1440 minute summer	MH15	6.001	MH17	2.0	0.246	0.007	0.0869	
1440 minute summer	MH17	5.001	MH19	6.2	0.156	0.013	2.2624	
1440 minute summer	MH11	7.000	MH12	3.8	0.323	0.008	0.4085	
1440 minute summer	MH12	7.001	MH13	8.0	0.456	0.026	0.8291	
1440 minute summer	MH10	8.000	MH13	5.2	0.365	0.017	0.7036	
1440 minute summer	MH13	7.002	MH19	19.3	0.450	0.024	0.4712	
1440 minute summer	MH18	5.003	EX SW 3	23.8	2.946	0.133	0.0507	494.8
1440 minute summer	MH19	5.002	MH18	22.8	2.025	0.049	0.0979	

Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH9	750	93.696	0.046	3.9	0.1728	0.0000	OK
1440 minute winter	MH8	750	93.605	0.052	7.1	0.1804	0.0000	OK
1440 minute winter	MH7	750	93.512	0.031	2.2	0.0984	0.0000	OK
1440 minute winter	MH6	750	93.475	0.067	11.3	0.2077	0.0000	OK
1440 minute winter	MH5	750	93.403	0.026	1.5	0.0767	0.0000	OK
1440 minute winter	MH4	750	93.402	0.073	13.2	0.1934	0.0000	OK
1440 minute winter	MH3	750	93.319	0.021	1.0	0.0605	0.0000	OK
1440 minute winter	MH2	750	93.319	0.074	16.2	0.2267	0.0000	OK
1440 minute winter	MH1	750	93.213	0.100	18.3	0.3059	0.0000	OK
1440 minute winter	MH1.1	750	93.135	0.100	18.9	0.1904	0.0000	OK
1440 minute winter	NEW SW 1	750	91.739	0.100	18.9	0.1762	0.0000	OK
1440 minute winter	EX SW 1	750	91.343	0.093	18.9	0.0000	0.0000	OK
1440 minute winter	MH16	750	95.667	0.027	3.2	0.0856	0.0000	OK
1440 minute winter	MH14	720	95.791	0.016	0.9	0.0292	0.0000	OK
1440 minute winter	MH15	720	94.748	0.030	1.5	0.0949	0.0000	OK
1440 minute winter	MH17	750	94.738	0.041	4.7	0.1228	0.0000	OK
1440 minute winter	MH11	750	94.834	0.034	2.9	0.1222	0.0000	OK
1440 minute winter	MH12	750	94.708	0.058	6.0	0.1974	0.0000	OK
1440 minute winter	MH10	750	94.692	0.047	3.9	0.1825	0.0000	OK
1440 minute winter	MH13	750	94.640	0.062	11.7	0.1852	0.0000	OK
1440 minute winter	MH18	720	94.050	0.050	16.8	0.1499	0.0000	OK
1440 minute winter	MH19	720	94.644	0.183	17.8	0.8293	0.0000	OK
1440 minute winter	EX SW 3	720	93.313	0.046	16.7	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)
1440 minute winter	MH9	1.000	MH8	3.9	0.361	0.012	0.4708	
1440 minute winter	MH8	1.001	MH6	7.1	0.490	0.016	0.5151	
1440 minute winter	MH7	2.000	MH6	2.2	0.205	0.005	0.2066	
1440 minute winter	MH6	1.002	MH4	11.3	0.620	0.026	0.3504	
1440 minute winter	MH5	3.000	MH4	1.5	0.138	0.003	0.1413	
1440 minute winter	MH4	1.003	MH2	13.2	0.676	0.030	0.3982	
1440 minute winter	MH3	4.000	MH2	1.0	0.097	0.002	0.1519	
1440 minute winter	MH2	1.004	MH1	16.2	0.648	0.033	0.6650	
1440 minute winter	MH1	1.005	MH1.1	18.3	0.781	0.142	0.4394	
1440 minute winter	MH1.1	1.006	NEW SW 1	18.9	0.855	0.134	0.1685	
1440 minute winter	NEW SW 1	EX1.000	EX SW 1	18.9	1.578	0.712	0.2099	650.5
1440 minute winter	MH16	5.000	MH17	3.2	1.016	0.017	0.0698	
1440 minute winter	MH14	6.000	MH15	0.9	0.944	0.022	0.0108	
1440 minute winter	MH15	6.001	MH17	1.5	0.226	0.005	0.0709	
1440 minute winter	MH17	5.001	MH19	4.7	0.138	0.010	1.8644	
1440 minute winter	MH11	7.000	MH12	2.9	0.295	0.006	0.3431	
1440 minute winter	MH12	7.001	MH13	6.2	0.458	0.020	0.5261	
1440 minute winter	MH10	8.000	MH13	3.9	0.360	0.013	0.4261	
1440 minute winter	MH13	7.002	MH19	13.1	0.334	0.016	0.3597	
1440 minute winter	MH18	5.003	EX SW 3	16.7	2.681	0.093	0.0390	557.9
1440 minute winter	MH19	5.002	MH18	16.8	1.895	0.036	0.0773	

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