Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	43.605	450.0	600	1 STANDARD	95.759	93.650	1.509	95.932	93.553	1.779
1.001	35.467	244.6	600	1 STANDARD	95.932	93.553	1.779	95.815	93.408	1.807
2.000	18.355	250.0	600	1 STANDARD	95.651	93.481	1.570	95.815	93.408	1.807
1.002	19.214	243.2	600	1 STANDARD	95.815	93.408	1.807	95.851	93.329	1.922
3.000	12.094	250.0	600	1 STANDARD	95.717	93.377	1.740	95.851	93.329	1.922
1.003	20.402	242.9	600	1 STANDARD	95.851	93.329	1.922	95.803	93.245	1.958
4.000	13.326	250.0	600	1 STANDARD	95.671	93.298	1.773	95.803	93.245	1.958
1.004	26.416	200.0	600	1 STANDARD	95.803	93.245	1.958	95.780	93.113	2.067
1.005	18.748	240.4	375	1 STANDARD	95.780	93.113	2.292	95.846	93.035	2.436
1.006	7.621	200.0	375	1 STANDARD	95.846	93.035	2.436	95.595	92.997	2.223
EX1.000	17.524	45.0	150	1 STANDARD	95.595	91.639	3.806	91.880	91.250	0.480
5.002	8.694	18.9	375	1 STANDARD	97.037	94.461	2.201	96.941	94.000	2.566
5.000	22.166	34.5	300	1 STANDARD	97.215	95.640	1.275	97.147	94.997	1.850
6.000	11.337	18.6	150	1 STANDARD	97.125	95.775	1.200	97.143	95.167	1.826
6.001	10.523	501.1	600	1 STANDARD	97.143	94.718	1.825	97.147	94.697	1.850
5.001	45.989	194.9	600	1 STANDARD	97.147	94.697	1.850	97.037	94.461	1.976
7.000	33.950	226.3	600	1 STANDARD	96.631	94.800	1.231	97.095	94.650	1.845
7.001	35.853	500.0	600	1 STANDARD	97.095	94.650	1.845	97.045	94.578	1.867
8.000	33.476	500.0	600	1 STANDARD	96.589	94.645	1.344	97.045	94.578	1.867
7.002	8.466	72.4	600	1 STANDARD	97.045	94.578	1.867	97.037	94.461	1.976
5.003	6.270	8.6	225	1 STANDARD	96.941	94.000	2.716	96.680	93.267	3.188

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	MH9	1800	Manhole	1 STANDARD	MH8	1800	Manhole	1 STANDARD
1.001	MH8	1800	Manhole	1 STANDARD	MH6	1800	Manhole	1 STANDARD
2.000	MH7	1800	Manhole	1 STANDARD	MH6	1800	Manhole	1 STANDARD
1.002	MH6	1800	Manhole	1 STANDARD	MH4	1800	Manhole	1 STANDARD
3.000	MH5	1800	Manhole	1 STANDARD	MH4	1800	Manhole	1 STANDARD
1.003	MH4	1800	Manhole	1 STANDARD	MH2	1800	Manhole	1 STANDARD
4.000	MH3	1800	Manhole	1 STANDARD	MH2	1800	Manhole	1 STANDARD
1.004	MH2	1800	Manhole	1 STANDARD	MH1	1800	Manhole	1 STANDARD
1.005	MH1	1800	Manhole	1 STANDARD	MH1.1	1500	Manhole	1 STANDARD
1.006	MH1.1	1500	Manhole	1 STANDARD	NEW SW 1	1500	Manhole	1 STANDARD
EX1.000	NEW SW 1	1500	Manhole	1 STANDARD	EX SW 1	1350	Manhole	1 STANDARD
5.002	MH19	2400	Manhole	1 STANDARD	MH18	1950	Manhole	1 STANDARD
5.000	MH16	1500	Manhole	1 STANDARD	MH17	1950	Manhole	1 STANDARD
6.000	MH14	1350	Manhole	1 STANDARD	MH15	1950	Manhole	1 STANDARD
6.001	MH15	1950	Manhole	1 STANDARD	MH17	1950	Manhole	1 STANDARD
5.001	MH17	1950	Manhole	1 STANDARD	MH19	2400	Manhole	1 STANDARD
7.000	MH11	1800	Manhole	1 STANDARD	MH12	1800	Manhole	1 STANDARD
7.001	MH12	1800	Manhole	1 STANDARD	MH13	1800	Manhole	1 STANDARD
8.000	MH10	1800	Manhole	1 STANDARD	MH13	1800	Manhole	1 STANDARD
7.002	MH13	1800	Manhole	1 STANDARD	MH19	2400	Manhole	1 STANDARD
5.003	MH18	1950	Manhole	1 STANDARD	EX SW 3	1350	Manhole	1 STANDARD

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
MH9	434644.832	406781.270	95.759	2.109	1800		0 1.000	93.650	600
MH8	434604.682	406764.259	95.932	2.379	1800		1 1.000	93.553	600
							0 1.001	93.553	600
MH7	434606.128	406803.461	95.651	2.170	1800		0 2.000	93.481	600
MH6	434589.269	406796.202	95.815	2.407	1800		1 2.000	93.408	600
							2 1.001	93.408	600
							0 1.002	93.408	600
MH5	434592.624	406818.434	95.717	2.340	1800		0 3.000	93.377	600
MH4	434581.469	406813.762	95.851	2.522	1800		1 3.000	93.329	600
							2 1.002	93.329	600
							0 1.003	93.329	600
MH3	434585.568	406837.239	95.671	2.373	1800		0 4.000	93.298	600
MH2	434573.154	406832.393	95.803	2.558	1800		1 4.000	93.245	600
							2 1.003	93.245	600
							0 1.004	93.245	600
MH1	434562.462	406856.548	95.780	2.667	1800		1 1.004	93.113	600
							0 1.005	93.113	375
MH1.1	434555.255	406873.855	95.846	2.811	1500		1 1.005	93.035	375
							0 1.006	93.035	375
NEW SW 1	434561.332	406878.454	95.595	3.956	1500		1 1.006	92.997	375
							0 EX1.000	91.639	150
EX SW 1	434548.132	406889.980	91.880	0.630	1350		1 EX1.000	91.250	150
MH16	434653.384	406631.578	97.215	1.575	1500		0 5.000	95.640	300

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
MH14	434643.550	406647.045	97.125	1.350	1350	0	6.000	95.775	150
MH15	434654.756	406648.764	97.143	2.425	1950	1 0	6.000 6.001	95.167 94.718	150 600
MH17	434665.157	406650.359	97.147	2.450	1950	1 2 0	6.001 5.000 5.001	94.697 94.997 94.697	600 300 600
MH11	434621.652	406708.164	96.631	1.831	1800	0	7.000	94.800	600
MH12	434635.892	406677.345	97.095	2.445	1800	1 0	7.000 7.001	94.650 94.650	600 600
MH10	434654.683	406722.085	96.589	1.944	1800	0	8.000	94.645	600
MH13	434668.744	406691.705	97.045	2.467	1800	1 2 0	8.000 7.001 7.002	94.578 94.578 94.578	600 600 600
MH18	434678.865	406703.295	96.941	2.941	1950	1 0	5.002 5.003	94.000 94.000	375 225
MH19	434676.582	406694.906	97.037	2.576	2400	1 2 0	5.001 7.002 5.002	94.461 94.461 94.461	600 600 375
EX SW 3	434687.131	406702.025	96.680	3.413	1350	1	5.003	93.267	225

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	240
M5-60 (mm)	19.000	Additional Storage (m³/ha)	20.0
Ratio-R	0.350	Starting Level (m)	
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	0	0	0
100	40	0	0

Node MH19 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	94.461	Product Number	CTL-SHE-0347-8000-2000-8000
Design Depth (m)	2.000	Min Outlet Diameter (m)	0.375
Design Flow (l/s)	80.0	Min Node Diameter (mm)	0

Results for 1 year Critical Storm Duration. Lowest 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 winter	MH9	10	93.740	0.090	16.8	0.3409	0.0000	OK
15 minute winter	MH8	11	93.656	0.103	29.9	0.3540	0.0000	OK
15 minute winter	MH7	11	93.549	0.068	9.3	0.2181	0.0000	OK
15 minute winter	MH6	11	93.546	0.138	45.4	0.4278	0.0000	OK
15 minute winter	MH5	11	93.477	0.100	6.4	0.2971	0.0000	OK
15 minute winter	MH4	12	93.477	0.148	51.8	0.3934	0.0000	OK
15 minute winter	MH3	12	93.393	0.095	4.2	0.2684	0.0000	OK
15 minute winter	MH2	12	93.395	0.150	62.2	0.4617	0.0000	OK
15 minute winter	MH1	14	93.374	0.261	70.2	0.8025	0.0000	OK
15 minute winter	MH1.1	14	93.363	0.328	70.4	0.6267	0.0000	OK
15 minute winter	NEW SW 1	14	93.354	1.715	64.6	3.0302	0.0000	SURCHARGED
60 minute winter	EX SW 1	29	91.392	0.142	42.1	0.0000	0.0000	OK
15 minute winter	MH16	10	95.695	0.055	13.7	0.1732	0.0000	OK
15 minute winter	MH14	10	95.806	0.031	3.8	0.0589	0.0000	OK
15 minute winter	MH15	11	94.785	0.066	6.5	0.2101	0.0000	OK
15 minute winter	MH17	12	94.777	0.080	19.6	0.2394	0.0000	OK
15 minute winter	MH11	10	94.866	0.066	12.4	0.2377	0.0000	OK
15 minute winter	MH12	13	94.783	0.133	25.2	0.4496	0.0000	OK
15 minute winter	MH10	12	94.785	0.140	16.9	0.5445	0.0000	OK
15 minute summer	MH13	13	94.789	0.211	45.3	0.6286	0.0000	OK
15 minute winter	MH18	13	94.098	0.098	52.8	0.2923	0.0000	OK
15 minute winter	MH19	12	94.806	0.345	44.9	1.5600	0.0000	OK
15 minute winter	EX SW 3	13	93.350	0.083	52.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	MH9	1.000	MH8	16.2	0.565	0.050	1.2690	
15 minute winter	MH8	1.001	MH6	29.2	0.726	0.067	1.4367	
15 minute winter	MH7	2.000	MH6	8.7	0.322	0.020	0.6096	
15 minute winter	MH6	1.002	MH4	44.6	0.871	0.101	0.9844	
15 minute winter	MH5	3.000	MH4	5.4	0.310	0.012	0.5110	
15 minute winter	MH4	1.003	MH2	51.9	0.957	0.118	1.1098	
15 minute winter	MH3	4.000	MH2	4.3	0.190	0.010	0.5572	
15 minute winter	MH2	1.004	MH1	63.2	0.863	0.130	2.1332	
15 minute winter	MH1	1.005	MH1.1	68.4	1.056	0.532	1.7281	
15 minute winter	MH1.1	1.006	NEW SW 1	64.6	1.174	0.458	0.8026	
15 minute winter	NEW SW 1	EX1.000	EX SW 1	54.9	3.120	2.068	0.3054	37.2
15 minute winter	MH16	5.000	MH17	13.5	1.542	0.071	0.1936	
15 minute winter	MH14	6.000	MH15	3.8	1.432	0.091	0.0297	
15 minute winter	MH15	6.001	MH17	6.2	0.323	0.020	0.2062	
15 minute winter	MH17	5.001	MH19	18.4	0.426	0.037	4.3659	
15 minute winter	MH11	7.000	MH12	12.0	0.462	0.026	1.0042	
15 minute winter	MH12	7.001	MH13	23.1	0.602	0.076	2.0956	
15 minute winter	MH10	8.000	MH13	16.5	0.527	0.054	1.9656	
15 minute summer	MH13	7.002	MH19	62.4	0.736	0.077	0.9429	
15 minute winter	MH18	5.003	EX SW 3	52.6	3.527	0.294	0.0937	34.8
15 minute winter	MH19	5.002	MH18	52.8	2.413	0.114	0.1902	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH9	24	93.830	0.180	32.2	0.6807	0.0000	OK
30 minute winter	MH8	23	93.829	0.276	58.4	0.9501	0.0000	OK
15 minute winter	MH7	14	93.825	0.344	22.9	1.1074	0.0000	OK
30 minute winter	MH6	24	93.821	0.413	88.8	1.2782	0.0000	OK
30 minute winter	MH5	24	93.823	0.446	17.6	1.3250	0.0000	OK
30 minute winter	MH4	24	93.820	0.491	87.7	1.3069	0.0000	OK
30 minute winter	MH3	24	93.819	0.521	26.3	1.4719	0.0000	OK
30 minute winter	MH2	24	93.821	0.576	98.0	1.7728	0.0000	OK
30 minute winter	MH1	24	93.816	0.703	96.7	2.1590	0.0000	SURCHARGED
30 minute winter	MH1.1	22	93.801	0.766	74.3	1.4631	0.0000	SURCHARGED
30 minute winter	NEW SW 1	22	93.789	2.150	70.2	3.7992	0.0000	SURCHARGED
60 minute winter	EX SW 1	63	91.392	0.142	59.4	0.0000	0.0000	OK
15 minute winter	MH16	10	95.728	0.088	33.5	0.2765	0.0000	OK
15 minute winter	MH14	10	95.826	0.051	9.4	0.0951	0.0000	OK
15 minute winter	MH15	14	95.016	0.298	15.9	0.9405	0.0000	OK
15 minute winter	MH17	14	94.998	0.301	49.0	0.8983	0.0000	OK
15 minute winter	MH11	13	95.011	0.211	30.4	0.7613	0.0000	OK
15 minute winter	MH12	13	94.998	0.348	62.0	1.1773	0.0000	OK
15 minute winter	MH10	14	95.006	0.361	41.3	1.4081	0.0000	OK
30 minute winter	MH13	22	95.007	0.429	120.7	1.2749	0.0000	OK
15 minute winter	MH18	13	94.127	0.127	78.1	0.3782	0.0000	OK
15 minute winter	MH19	14	95.028	0.567	146.4	2.5670	0.0000	SURCHARGED
15 minute winter	EX SW 3	13	93.370	0.103	78.1	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	MH9	1.000	MH8	32.1	0.669	0.100	4.0791	
30 minute winter	MH8	1.001	MH6	58.8	0.834	0.134	5.8396	
15 minute winter	MH7	2.000	MH6	20.6	0.364	0.048	3.3779	
30 minute winter	MH6	1.002	MH4	82.4	0.966	0.187	4.3583	
30 minute winter	MH5	3.000	MH4	9.9	0.325	0.023	2.8495	
30 minute winter	MH4	1.003	MH2	82.3	0.997	0.187	5.3526	
30 minute winter	MH3	4.000	MH2	-18.6	0.251	-0.043	3.5851	
30 minute winter	MH2	1.004	MH1	82.1	0.863	0.169	7.3928	
30 minute winter	MH1	1.005	MH1.1	70.7	1.071	0.550	2.0678	
30 minute winter	MH1.1	1.006	NEW SW 1	70.2	1.195	0.498	0.8406	
30 minute winter	NEW SW 1	EX1.000	EX SW 1	60.7	3.448	2.285	0.3054	122.0
15 minute winter	MH16	5.000	MH17	33.1	1.977	0.174	0.3709	
15 minute winter	MH14	6.000	MH15	9.3	1.834	0.225	0.0575	
15 minute winter	MH15	6.001	MH17	20.4	0.378	0.067	1.4774	
15 minute winter	MH17	5.001	MH19	35.6	0.504	0.072	9.5946	
15 minute winter	MH11	7.000	MH12	29.7	0.556	0.065	4.3751	
15 minute winter	MH12	7.001	MH13	42.7	0.637	0.140	6.8110	
15 minute winter	MH10	8.000	MH13	36.3	0.562	0.119	6.3895	
30 minute winter	MH13	7.002	MH19	136.2	0.787	0.168	1.9744	
15 minute winter	MH18	5.003	EX SW 3	78.1	3.829	0.436	0.1279	78.5
15 minute winter	MH19	5.002	MH18	78.1	2.540	0.169	0.2675	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.93%

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
120 minute summer	EX SW 1	48	91.392	0.142	60.0	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
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 (Upstream Depth)	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
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	
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 +40% CC Critical Storm Duration. Lowest mass balance: 99.93%

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
60 minute summer	EX SW 1	15	91.392	0.142	74.6	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
60 minute summer	MH18	34	94.129	0.129	79.9	0.3845	0.0000	OK
30 minute winter	MH19	25	96.477	2.016	198.0	9.1226	0.0000	SURCHARGED
60 minute summer	EX SW 3	34	93.372	0.105	80.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
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	
60 minute summer	MH18	5.003	EX SW 3	80.0	3.846	0.447	0.1303	219.1
30 minute winter	MH19	5.002	MH18	79.9	2.544	0.173	0.2733	

Results for 1 year 15 minute summer. 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 summer	MH9	10	93.738	0.088	15.9	0.3332	0.0000	OK
15 minute summer	MH8	11	93.653	0.100	28.4	0.3457	0.0000	OK
15 minute summer	MH7	11	93.544	0.063	8.9	0.2031	0.0000	OK
15 minute summer	MH6	11	93.543	0.135	43.2	0.4175	0.0000	OK
15 minute summer	MH5	12	93.473	0.096	6.1	0.2861	0.0000	OK
15 minute summer	MH4	12	93.473	0.144	50.0	0.3836	0.0000	OK
15 minute summer	MH3	12	93.393	0.095	4.0	0.2669	0.0000	OK
15 minute summer	MH2	12	93.390	0.145	60.6	0.4454	0.0000	OK
15 minute summer	MH1	14	93.326	0.213	66.4	0.6539	0.0000	OK
15 minute summer	MH1.1	14	93.308	0.273	68.1	0.5206	0.0000	OK
15 minute summer	NEW SW 1	14	93.295	1.656	67.4	2.9263	0.0000	SURCHARGED
15 minute summer	EX SW 1	10	91.392	0.142	54.1	0.0000	0.0000	OK
15 minute summer	MH16	10	95.694	0.054	13.0	0.1689	0.0000	OK
15 minute summer	MH14	10	95.806	0.031	3.7	0.0581	0.0000	OK
15 minute summer	MH15	11	94.783	0.065	6.3	0.2053	0.0000	OK
15 minute summer	MH17	12	94.776	0.079	18.7	0.2364	0.0000	OK
15 minute summer	MH11	10	94.865	0.065	11.8	0.2325	0.0000	OK
15 minute summer	MH12	13	94.767	0.117	24.0	0.3947	0.0000	OK
15 minute summer	MH10	12	94.766	0.121	16.1	0.4704	0.0000	OK
15 minute summer	MH13	13	94.789	0.211	45.3	0.6286	0.0000	OK
15 minute summer	MH18	13	94.079	0.079	37.1	0.2361	0.0000	OK
15 minute summer	MH19	13	94.750	0.289	75.6	1.3064	0.0000	OK
15 minute summer	EX SW 3	13	93.337	0.070	37.8	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 summer	MH9	1.000	MH8	15.5	0.560	0.048	1.2280	
15 minute summer	MH8	1.001	MH6	27.9	0.717	0.063	1.3880	
15 minute summer	MH7	2.000	MH6	8.7	0.334	0.020	0.5783	
15 minute summer	MH6	1.002	MH4	42.8	0.865	0.097	0.9513	
15 minute summer	MH5	3.000	MH4	5.5	0.301	0.013	0.4897	
15 minute summer	MH4	1.003	MH2	49.5	0.951	0.112	1.0625	
15 minute summer	MH3	4.000	MH2	4.1	0.178	0.009	0.5373	
15 minute summer	MH2	1.004	MH1	59.7	0.856	0.123	1.8552	
15 minute summer	MH1	1.005	MH1.1	66.2	1.060	0.515	1.4103	
15 minute summer	MH1.1	1.006	NEW SW 1	67.4	1.190	0.478	0.6852	
15 minute summer	NEW SW 1	EX1.000	EX SW 1	54.1	3.073	2.037	0.3054	33.5
15 minute summer	MH16	5.000	MH17	12.8	1.522	0.068	0.1869	
15 minute summer	MH14	6.000	MH15	3.7	1.421	0.088	0.0291	
15 minute summer	MH15	6.001	MH17	6.0	0.323	0.020	0.1991	
15 minute summer	MH17	5.001	MH19	19.1	0.412	0.039	3.5818	
15 minute summer	MH11	7.000	MH12	11.5	0.456	0.025	0.8956	
15 minute summer	MH12	7.001	MH13	23.1	0.641	0.076	2.2762	
15 minute summer	MH10	8.000	MH13	15.8	0.560	0.052	2.1570	
15 minute summer	MH13	7.002	MH19	62.4	0.736	0.077	0.9429	
15 minute summer	MH18	5.003	EX SW 3	37.8	3.301	0.211	0.0719	26.7
15 minute summer	MH19	5.002	MH18	37.1	2.230	0.080	0.1446	

Results for 1 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	10	93.740	0.090	16.8	0.3409	0.0000	OK
15 minute winter	MH8	11	93.656	0.103	29.9	0.3540	0.0000	OK
15 minute winter	MH7	11	93.549	0.068	9.3	0.2181	0.0000	OK
15 minute winter	MH6	11	93.546	0.138	45.4	0.4278	0.0000	OK
15 minute winter	MH5	11	93.477	0.100	6.4	0.2971	0.0000	OK
15 minute winter	MH4	12	93.477	0.148	51.8	0.3934	0.0000	OK
15 minute winter	MH3	12	93.393	0.095	4.2	0.2684	0.0000	OK
15 minute winter	MH2	12	93.395	0.150	62.2	0.4617	0.0000	OK
15 minute winter	MH1	14	93.374	0.261	70.2	0.8025	0.0000	OK
15 minute winter	MH1.1	14	93.363	0.328	70.4	0.6267	0.0000	OK
15 minute winter	NEW SW 1	14	93.354	1.715	64.6	3.0302	0.0000	SURCHARGED
15 minute winter	EX SW 1	10	91.392	0.142	54.9	0.0000	0.0000	OK
15 minute winter	MH16	10	95.695	0.055	13.7	0.1732	0.0000	OK
15 minute winter	MH14	10	95.806	0.031	3.8	0.0589	0.0000	OK
15 minute winter	MH15	11	94.785	0.066	6.5	0.2101	0.0000	OK
15 minute winter	MH17	12	94.777	0.080	19.6	0.2394	0.0000	OK
15 minute winter	MH11	10	94.866	0.066	12.4	0.2377	0.0000	OK
15 minute winter	MH12	13	94.783	0.133	25.2	0.4496	0.0000	OK
15 minute winter	MH10	12	94.785	0.140	16.9	0.5445	0.0000	OK
15 minute winter	MH13	14	94.758	0.180	64.4	0.5349	0.0000	OK
15 minute winter	MH18	13	94.098	0.098	52.8	0.2923	0.0000	OK
15 minute winter	MH19	12	94.806	0.345	44.9	1.5600	0.0000	OK
15 minute winter	EX SW 3	13	93.350	0.083	52.6	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)
15 minute winter	MH9	1.000	MH8	16.2	0.565	0.050	1.2690	
15 minute winter	MH8	1.001	MH6	29.2	0.726	0.067	1.4367	
15 minute winter	MH7	2.000	MH6	8.7	0.322	0.020	0.6096	
15 minute winter	MH6	1.002	MH4	44.6	0.871	0.101	0.9844	
15 minute winter	MH5	3.000	MH4	5.4	0.310	0.012	0.5110	
15 minute winter	MH4	1.003	MH2	51.9	0.957	0.118	1.1098	
15 minute winter	MH3	4.000	MH2	4.3	0.190	0.010	0.5572	
15 minute winter	MH2	1.004	MH1	63.2	0.863	0.130	2.1332	
15 minute winter	MH1	1.005	MH1.1	68.4	1.056	0.532	1.7281	
15 minute winter	MH1.1	1.006	NEW SW 1	64.6	1.174	0.458	0.8026	
15 minute winter	NEW SW 1	EX1.000	EX SW 1	54.9	3.120	2.068	0.3054	37.2
15 minute winter	MH16	5.000	MH17	13.5	1.542	0.071	0.1936	
15 minute winter	MH14	6.000	MH15	3.8	1.432	0.091	0.0297	
15 minute winter	MH15	6.001	MH17	6.2	0.323	0.020	0.2062	
15 minute winter	MH17	5.001	MH19	18.4	0.426	0.037	4.3659	
15 minute winter	MH11	7.000	MH12	12.0	0.462	0.026	1.0042	
15 minute winter	MH12	7.001	MH13	23.1	0.602	0.076	2.0956	
15 minute winter	MH10	8.000	MH13	16.5	0.527	0.054	1.9656	
15 minute winter	MH13	7.002	MH19	42.1	0.750	0.052	1.0057	
15 minute winter	MH18	5.003	EX SW 3	52.6	3.527	0.294	0.0937	34.8
15 minute winter	MH19	5.002	MH18	52.8	2.413	0.114	0.1902	

Results for 1 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	18	93.734	0.084	14.5	0.3199	0.0000	OK
30 minute summer	MH8	18	93.649	0.096	26.2	0.3305	0.0000	OK
30 minute summer	MH7	19	93.540	0.059	8.1	0.1884	0.0000	OK
30 minute summer	MH6	19	93.538	0.129	40.6	0.4005	0.0000	OK
30 minute summer	MH5	19	93.469	0.092	5.5	0.2721	0.0000	OK
30 minute summer	MH4	19	93.468	0.139	46.3	0.3709	0.0000	OK
30 minute summer	MH3	19	93.385	0.087	3.7	0.2452	0.0000	OK
30 minute summer	MH2	19	93.385	0.140	56.4	0.4310	0.0000	OK
30 minute summer	MH1	21	93.315	0.202	62.8	0.6203	0.0000	OK
30 minute summer	MH1.1	21	93.286	0.251	63.0	0.4790	0.0000	OK
30 minute summer	NEW SW 1	21	93.273	1.634	61.5	2.8873	0.0000	SURCHARGED
30 minute summer	EX SW 1	17	91.392	0.142	53.8	0.0000	0.0000	OK
30 minute summer	MH16	18	95.692	0.052	11.8	0.1618	0.0000	OK
30 minute summer	MH14	18	95.804	0.029	3.3	0.0552	0.0000	OK
30 minute summer	MH15	18	94.780	0.062	5.6	0.1951	0.0000	OK
30 minute summer	MH17	19	94.773	0.076	17.3	0.2280	0.0000	OK
30 minute summer	MH11	18	94.862	0.062	10.7	0.2242	0.0000	OK
30 minute summer	MH12	20	94.769	0.119	22.0	0.4032	0.0000	OK
30 minute summer	MH10	20	94.771	0.126	14.6	0.4914	0.0000	OK
30 minute summer	MH13	21	94.754	0.176	64.3	0.5242	0.0000	OK
30 minute summer	MH18	20	94.093	0.093	47.6	0.2774	0.0000	OK
30 minute summer	MH19	20	94.781	0.320	48.4	1.4463	0.0000	OK
30 minute summer	EX SW 3	21	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)
30 minute summer	MH9	1.000	MH8	14.4	0.544	0.045	1.1570	
30 minute summer	MH8	1.001	MH6	25.4	0.697	0.058	1.3039	
30 minute summer	MH7	2.000	MH6	7.9	0.311	0.018	0.5384	
30 minute summer	MH6	1.002	MH4	39.8	0.851	0.091	0.9039	
30 minute summer	MH5	3.000	MH4	5.0	0.256	0.011	0.4628	
30 minute summer	MH4	1.003	MH2	46.4	0.933	0.105	1.0139	
30 minute summer	MH3	4.000	MH2	3.3	0.165	0.008	0.4998	
30 minute summer	MH2	1.004	MH1	55.7	0.849	0.115	1.7455	
30 minute summer	MH1	1.005	MH1.1	61.4	1.041	0.477	1.3018	
30 minute summer	MH1.1	1.006	NEW SW 1	61.5	1.163	0.436	0.6299	
30 minute summer	NEW SW 1	EX1.000	EX SW 1	53.8	3.055	2.025	0.3054	44.1
30 minute summer	MH16	5.000	MH17	11.8	1.487	0.062	0.1758	
30 minute summer	MH14	6.000	MH15	3.3	1.382	0.080	0.0271	
30 minute summer	MH15	6.001	MH17	5.5	0.312	0.018	0.1881	
30 minute summer	MH17	5.001	MH19	16.9	0.380	0.034	3.9817	
30 minute summer	MH11	7.000	MH12	10.6	0.444	0.023	0.8979	
30 minute summer	MH12	7.001	MH13	22.4	0.562	0.073	1.9387	
30 minute summer	MH10	8.000	MH13	14.8	0.487	0.048	1.8361	
30 minute summer	MH13	7.002	MH19	44.1	0.703	0.054	0.9289	
30 minute summer	MH18	5.003	EX SW 3	49.1	3.496	0.274	0.0881	40.5
30 minute summer	MH19	5.002	MH18	47.6	2.364	0.103	0.1750	

Results for 1 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	18	93.730	0.080	13.1	0.3047	0.0000	OK
30 minute winter	MH8	18	93.645	0.092	23.7	0.3165	0.0000	OK
30 minute winter	MH7	18	93.534	0.053	7.3	0.1718	0.0000	OK
30 minute winter	MH6	19	93.532	0.124	37.1	0.3843	0.0000	OK
30 minute winter	MH5	19	93.463	0.086	5.0	0.2549	0.0000	OK
30 minute winter	MH4	19	93.462	0.133	42.9	0.3555	0.0000	OK
30 minute winter	MH3	19	93.379	0.081	3.3	0.2291	0.0000	OK
30 minute winter	MH2	19	93.379	0.134	52.4	0.4126	0.0000	OK
30 minute winter	MH1	21	93.308	0.195	58.5	0.5986	0.0000	OK
30 minute winter	MH1.1	22	93.269	0.234	59.5	0.4461	0.0000	OK
30 minute winter	NEW SW 1	22	93.253	1.614	58.8	2.8514	0.0000	SURCHARGED
30 minute winter	EX SW 1	16	91.392	0.142	53.5	0.0000	0.0000	OK
30 minute winter	MH16	18	95.689	0.049	10.7	0.1540	0.0000	OK
30 minute winter	MH14	18	95.803	0.028	3.0	0.0526	0.0000	OK
30 minute winter	MH15	18	94.777	0.059	5.1	0.1860	0.0000	OK
30 minute winter	MH17	20	94.775	0.078	15.7	0.2340	0.0000	OK
30 minute winter	MH11	18	94.859	0.059	9.7	0.2141	0.0000	OK
30 minute winter	MH12	21	94.767	0.117	20.0	0.3963	0.0000	OK
30 minute winter	MH10	20	94.761	0.116	13.2	0.4538	0.0000	OK
30 minute winter	MH13	21	94.787	0.209	40.0	0.6207	0.0000	OK
30 minute winter	MH18	20	94.082	0.082	37.0	0.2441	0.0000	OK
30 minute winter	MH19	20	94.740	0.279	64.9	1.2616	0.0000	OK
30 minute winter	EX SW 3	20	93.340	0.073	40.7	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)
30 minute winter	MH9	1.000	MH8	13.0	0.524	0.040	1.0817	
30 minute winter	MH8	1.001	MH6	23.2	0.678	0.053	1.2280	
30 minute winter	MH7	2.000	MH6	7.3	0.290	0.017	0.4956	
30 minute winter	MH6	1.002	MH4	36.9	0.833	0.084	0.8515	
30 minute winter	MH5	3.000	MH4	4.6	0.271	0.011	0.4305	
30 minute winter	MH4	1.003	MH2	42.9	0.918	0.097	0.9534	
30 minute winter	MH3	4.000	MH2	3.1	0.156	0.007	0.4638	
30 minute winter	MH2	1.004	MH1	51.9	0.836	0.107	1.6540	
30 minute winter	MH1	1.005	MH1.1	57.6	1.027	0.448	1.2032	
30 minute winter	MH1.1	1.006	NEW SW 1	58.8	1.152	0.417	0.5801	
30 minute winter	NEW SW 1	EX1.000	EX SW 1	53.5	3.039	2.014	0.3054	49.4
30 minute winter	MH16	5.000	MH17	10.7	1.447	0.056	0.1639	
30 minute winter	MH14	6.000	MH15	3.0	1.344	0.072	0.0253	
30 minute winter	MH15	6.001	MH17	5.0	0.306	0.016	0.1866	
30 minute winter	MH17	5.001	MH19	15.5	0.380	0.032	3.4441	
30 minute winter	MH11	7.000	MH12	9.7	0.433	0.021	0.8698	
30 minute winter	MH12	7.001	MH13	20.6	0.547	0.067	2.2531	
30 minute winter	MH10	8.000	MH13	14.0	0.467	0.046	2.0956	
30 minute winter	MH13	7.002	MH19	51.8	0.712	0.064	0.9110	
30 minute winter	MH18	5.003	EX SW 3	40.7	3.379	0.227	0.0755	41.5
30 minute winter	MH19	5.002	MH18	37.0	2.223	0.080	0.1449	

Results for 1 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	33	93.725	0.075	11.2	0.2825	0.0000	OK
60 minute summer	MH8	34	93.638	0.085	20.2	0.2932	0.0000	OK
60 minute summer	MH7	33	93.530	0.049	6.2	0.1590	0.0000	OK
60 minute summer	MH6	34	93.522	0.114	31.6	0.3527	0.0000	OK
60 minute summer	MH5	34	93.452	0.075	4.3	0.2223	0.0000	OK
60 minute summer	MH4	34	93.451	0.122	36.7	0.3263	0.0000	OK
60 minute summer	MH3	34	93.368	0.070	2.8	0.1976	0.0000	OK
60 minute summer	MH2	34	93.368	0.123	44.7	0.3773	0.0000	OK
60 minute summer	MH1	35	93.289	0.176	49.9	0.5397	0.0000	OK
60 minute summer	MH1.1	35	93.208	0.173	51.3	0.3297	0.0000	OK
60 minute summer	NEW SW 1	36	92.932	1.293	51.3	2.2842	0.0000	SURCHARGED
60 minute summer	EX SW 1	31	91.392	0.142	48.6	0.0000	0.0000	OK
60 minute summer	MH16	33	95.685	0.045	9.1	0.1420	0.0000	OK
60 minute summer	MH14	33	95.801	0.026	2.6	0.0490	0.0000	OK
60 minute summer	MH15	33	94.772	0.054	4.4	0.1703	0.0000	OK
60 minute summer	MH17	34	94.764	0.067	13.4	0.1991	0.0000	OK
60 minute summer	MH11	33	94.855	0.055	8.3	0.1990	0.0000	OK
60 minute summer	MH12	35	94.748	0.098	17.1	0.3317	0.0000	OK
60 minute summer	MH10	36	94.742	0.097	11.3	0.3793	0.0000	OK
60 minute summer	MH13	35	94.765	0.187	49.9	0.5558	0.0000	OK
60 minute summer	MH18	39	94.080	0.080	36.7	0.2390	0.0000	OK
60 minute summer	MH19	40	94.737	0.276	72.1	1.2488	0.0000	OK
60 minute summer	EX SW 3	39	93.338	0.071	38.8	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)
60 minute summer	MH9	1.000	MH8	11.1	0.501	0.034	0.9682	
60 minute summer	MH8	1.001	MH6	19.8	0.651	0.045	1.0918	
60 minute summer	MH7	2.000	MH6	6.2	0.278	0.014	0.4396	
60 minute summer	MH6	1.002	MH4	31.4	0.802	0.071	0.7533	
60 minute summer	MH5	3.000	MH4	4.0	0.251	0.009	0.3711	
60 minute summer	MH4	1.003	MH2	36.5	0.886	0.083	0.8416	
60 minute summer	MH3	4.000	MH2	2.6	0.137	0.006	0.3970	
60 minute summer	MH2	1.004	MH1	44.3	0.814	0.091	1.4493	
60 minute summer	MH1	1.005	MH1.1	49.8	0.994	0.387	0.9395	
60 minute summer	MH1.1	1.006	NEW SW 1	51.3	1.115	0.364	0.3511	
60 minute summer	NEW SW 1	EX1.000	EX SW 1	48.6	2.762	1.831	0.3054	57.3
60 minute summer	MH16	5.000	MH17	9.1	1.381	0.048	0.1460	
60 minute summer	MH14	6.000	MH15	2.6	1.290	0.063	0.0229	
60 minute summer	MH15	6.001	MH17	4.3	0.296	0.014	0.1543	
60 minute summer	MH17	5.001	MH19	13.3	0.319	0.027	3.1510	
60 minute summer	MH11	7.000	MH12	8.3	0.413	0.018	0.7118	
60 minute summer	MH12	7.001	MH13	17.6	0.523	0.058	1.8761	
60 minute summer	MH10	8.000	MH13	11.5	0.436	0.038	1.7361	
60 minute summer	MH13	7.002	MH19	59.6	0.763	0.074	0.8118	
60 minute summer	MH18	5.003	EX SW 3	38.8	3.331	0.217	0.0732	49.1
60 minute summer	MH19	5.002	MH18	36.7	2.253	0.079	0.1415	

Results for 1 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	33	93.718	0.068	9.1	0.2570	0.0000	OK
60 minute winter	MH8	34	93.631	0.078	16.5	0.2675	0.0000	OK
60 minute winter	MH7	33	93.526	0.045	5.1	0.1453	0.0000	OK
60 minute winter	MH6	34	93.511	0.103	26.0	0.3187	0.0000	OK
60 minute winter	MH5	34	93.440	0.063	3.5	0.1878	0.0000	OK
60 minute winter	MH4	34	93.440	0.111	30.3	0.2953	0.0000	OK
60 minute winter	MH3	35	93.356	0.058	2.3	0.1642	0.0000	OK
60 minute winter	MH2	34	93.356	0.111	37.0	0.3412	0.0000	OK
60 minute winter	MH1	35	93.271	0.158	41.6	0.4851	0.0000	OK
60 minute winter	MH1.1	35	93.191	0.156	42.9	0.2978	0.0000	OK
60 minute winter	NEW SW 1	37	92.545	0.906	42.9	1.6010	0.0000	SURCHARGED
60 minute winter	EX SW 1	29	91.392	0.142	42.1	0.0000	0.0000	OK
60 minute winter	MH16	33	95.681	0.041	7.4	0.1283	0.0000	OK
60 minute winter	MH14	33	95.798	0.023	2.1	0.0440	0.0000	OK
60 minute winter	MH15	33	94.766	0.048	3.6	0.1524	0.0000	OK
60 minute winter	MH17	34	94.758	0.061	11.0	0.1813	0.0000	OK
60 minute winter	MH11	33	94.850	0.050	6.7	0.1802	0.0000	OK
60 minute winter	MH12	34	94.738	0.088	13.8	0.2985	0.0000	OK
60 minute winter	MH10	36	94.726	0.081	9.1	0.3180	0.0000	OK
60 minute winter	MH13	37	94.748	0.170	49.2	0.5056	0.0000	OK
60 minute winter	MH18	40	94.078	0.078	36.2	0.2343	0.0000	OK
60 minute winter	MH19	33	94.739	0.278	76.9	1.2563	0.0000	OK
60 minute winter	EX SW 3	40	93.336	0.069	36.9	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	9.1	0.468	0.028	0.8435	
60 minute winter	MH8	1.001	MH6	16.4	0.616	0.037	0.9471	
60 minute winter	MH7	2.000	MH6	5.1	0.259	0.012	0.3819	
60 minute winter	MH6	1.002	MH4	25.9	0.766	0.059	0.6517	
60 minute winter	MH5	3.000	MH4	3.4	0.262	0.008	0.3110	
60 minute winter	MH4	1.003	MH2	30.3	0.848	0.069	0.7290	
60 minute winter	MH3	4.000	MH2	2.3	0.149	0.005	0.3305	
60 minute winter	MH2	1.004	MH1	37.0	0.787	0.076	1.2525	
60 minute winter	MH1	1.005	MH1.1	41.6	0.953	0.324	0.8194	
60 minute winter	MH1.1	1.006	NEW SW 1	42.9	1.064	0.304	0.3076	
60 minute winter	NEW SW 1	EX1.000	EX SW 1	42.1	2.392	1.586	0.3054	64.1
60 minute winter	MH16	5.000	MH17	7.4	1.301	0.039	0.1261	
60 minute winter	MH14	6.000	MH15	2.1	1.214	0.051	0.0196	
60 minute winter	MH15	6.001	MH17	3.6	0.284	0.012	0.1333	
60 minute winter	MH17	5.001	MH19	10.9	0.328	0.022	3.2727	
60 minute winter	MH11	7.000	MH12	6.7	0.384	0.015	0.6226	
60 minute winter	MH12	7.001	MH13	13.8	0.505	0.045	1.6239	
60 minute winter	MH10	8.000	MH13	10.6	0.418	0.035	1.4782	
60 minute winter	MH13	7.002	MH19	66.0	0.774	0.081	0.7429	
60 minute winter	MH18	5.003	EX SW 3	36.9	3.282	0.206	0.0709	55.0
60 minute winter	MH19	5.002	MH18	36.2	2.244	0.078	0.1402	

Results for 1 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	64	93.712	0.062	7.6	0.2360	0.0000	OK
120 minute summer	MH8	64	93.624	0.071	13.8	0.2458	0.0000	OK
120 minute summer	MH7	64	93.522	0.041	4.2	0.1332	0.0000	OK
120 minute summer	MH6	64	93.501	0.093	21.7	0.2888	0.0000	OK
120 minute summer	MH5	64	93.430	0.053	2.9	0.1572	0.0000	OK
120 minute summer	MH4	64	93.429	0.100	25.2	0.2676	0.0000	OK
120 minute summer	MH3	64	93.345	0.047	1.9	0.1335	0.0000	OK
120 minute summer	MH2	66	93.345	0.100	30.7	0.3077	0.0000	OK
120 minute summer	MH1	66	93.255	0.142	34.5	0.4347	0.0000	OK
120 minute summer	MH1.1	66	93.176	0.141	35.6	0.2687	0.0000	OK
120 minute summer	NEW SW 1	66	92.192	0.553	35.7	0.9773	0.0000	SURCHARGED
120 minute summer	EX SW 1	62	91.392	0.142	35.0	0.0000	0.0000	OK
120 minute summer	MH16	64	95.678	0.038	6.2	0.1177	0.0000	OK
120 minute summer	MH14	64	95.796	0.021	1.7	0.0397	0.0000	OK
120 minute summer	MH15	64	94.761	0.043	2.9	0.1357	0.0000	OK
120 minute summer	MH17	64	94.753	0.056	9.1	0.1661	0.0000	OK
120 minute summer	MH11	64	94.846	0.046	5.6	0.1658	0.0000	OK
120 minute summer	MH12	64	94.728	0.078	11.6	0.2650	0.0000	OK
120 minute summer	MH10	66	94.712	0.067	7.7	0.2618	0.0000	OK
120 minute summer	MH13	70	94.710	0.132	40.9	0.3931	0.0000	OK
120 minute summer	MH18	66	94.071	0.071	31.8	0.2130	0.0000	OK
120 minute summer	MH19	68	94.724	0.263	52.6	1.1909	0.0000	OK
120 minute summer	EX SW 3	66	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)
120 minute summer	MH9	1.000	MH8	7.6	0.445	0.023	0.7461	
120 minute summer	MH8	1.001	MH6	13.7	0.590	0.031	0.8274	
120 minute summer	MH7	2.000	MH6	4.2	0.248	0.010	0.3323	
120 minute summer	MH6	1.002	MH4	21.5	0.732	0.049	0.5651	
120 minute summer	MH5	3.000	MH4	2.8	0.202	0.007	0.2601	
120 minute summer	MH4	1.003	MH2	25.0	0.810	0.057	0.6300	
120 minute summer	MH3	4.000	MH2	1.8	0.116	0.004	0.2733	
120 minute summer	MH2	1.004	MH1	30.6	0.757	0.063	1.0759	
120 minute summer	MH1	1.005	MH1.1	34.5	0.911	0.269	0.7107	
120 minute summer	MH1.1	1.006	NEW SW 1	35.7	1.014	0.253	0.2687	
120 minute summer	NEW SW 1	EX1.000	EX SW 1	35.0	1.991	1.320	0.3054	73.1
120 minute summer	MH16	5.000	MH17	6.2	1.234	0.033	0.1114	
120 minute summer	MH14	6.000	MH15	1.7	1.141	0.041	0.0169	
120 minute summer	MH15	6.001	MH17	2.9	0.266	0.009	0.1151	
120 minute summer	MH17	5.001	MH19	9.0	0.287	0.018	3.0077	
120 minute summer	MH11	7.000	MH12	5.6	0.365	0.012	0.5322	
120 minute summer	MH12	7.001	MH13	11.5	0.489	0.038	1.2003	
120 minute summer	MH10	8.000	MH13	8.4	0.404	0.027	1.0375	
120 minute summer	MH13	7.002	MH19	43.6	0.623	0.054	0.6378	
120 minute summer	MH18	5.003	EX SW 3	31.9	3.175	0.178	0.0630	62.6
120 minute summer	MH19	5.002	MH18	31.8	2.197	0.069	0.1259	

Results for 1 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	93.705	0.055	5.9	0.2095	0.0000	OK
120 minute winter	MH8	64	93.616	0.063	10.7	0.2185	0.0000	OK
120 minute winter	MH7	64	93.518	0.037	3.3	0.1190	0.0000	OK
120 minute winter	MH6	64	93.490	0.082	17.0	0.2547	0.0000	OK
120 minute winter	MH5	66	93.419	0.042	2.2	0.1234	0.0000	OK
120 minute winter	MH4	66	93.418	0.089	19.8	0.2369	0.0000	OK
120 minute winter	MH3	66	93.335	0.037	1.5	0.1032	0.0000	OK
120 minute winter	MH2	66	93.334	0.089	24.2	0.2747	0.0000	OK
120 minute winter	MH1	66	93.237	0.124	27.3	0.3811	0.0000	OK
120 minute winter	MH1.1	66	93.159	0.124	28.2	0.2361	0.0000	OK
120 minute winter	NEW SW 1	68	91.903	0.264	28.2	0.4660	0.0000	SURCHARGED
120 minute winter	EX SW 1	68	91.392	0.142	28.0	0.0000	0.0000	OK
120 minute winter	MH16	64	95.673	0.033	4.8	0.1042	0.0000	OK
120 minute winter	MH14	64	95.794	0.019	1.3	0.0348	0.0000	OK
120 minute winter	MH15	66	94.755	0.037	2.2	0.1164	0.0000	OK
120 minute winter	MH17	64	94.746	0.049	7.0	0.1472	0.0000	OK
120 minute winter	MH11	64	94.841	0.041	4.3	0.1473	0.0000	OK
120 minute winter	MH12	64	94.719	0.069	8.9	0.2343	0.0000	OK
120 minute winter	MH10	64	94.702	0.057	5.9	0.2216	0.0000	OK
120 minute winter	MH13	68	94.685	0.107	23.3	0.3171	0.0000	OK
120 minute winter	MH18	66	94.061	0.061	24.9	0.1809	0.0000	OK
120 minute winter	MH19	66	94.692	0.231	45.8	1.0434	0.0000	OK
120 minute winter	EX SW 3	68	93.322	0.055	24.0	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)
120 minute winter	MH9	1.000	MH8	5.9	0.411	0.018	0.6260	
120 minute winter	MH8	1.001	MH6	10.7	0.549	0.024	0.6916	
120 minute winter	MH7	2.000	MH6	3.3	0.229	0.008	0.2779	
120 minute winter	MH6	1.002	MH4	16.9	0.689	0.038	0.4718	
120 minute winter	MH5	3.000	MH4	2.2	0.206	0.005	0.2078	
120 minute winter	MH4	1.003	MH2	19.8	0.760	0.045	0.5311	
120 minute winter	MH3	4.000	MH2	1.5	0.121	0.003	0.2204	
120 minute winter	MH2	1.004	MH1	24.2	0.717	0.050	0.8997	
120 minute winter	MH1	1.005	MH1.1	27.3	0.861	0.213	0.5947	
120 minute winter	MH1.1	1.006	NEW SW 1	28.2	0.953	0.200	0.2259	
120 minute winter	NEW SW 1	EX1.000	EX SW 1	28.0	1.630	1.056	0.3054	81.9
120 minute winter	MH16	5.000	MH17	4.8	1.145	0.025	0.0930	
120 minute winter	MH14	6.000	MH15	1.3	1.053	0.031	0.0140	
120 minute winter	MH15	6.001	MH17	2.2	0.252	0.007	0.0943	
120 minute winter	MH17	5.001	MH19	7.0	0.262	0.014	2.5427	
120 minute winter	MH11	7.000	MH12	4.3	0.336	0.009	0.4440	
120 minute winter	MH12	7.001	MH13	9.0	0.477	0.029	0.9184	
120 minute winter	MH10	8.000	MH13	5.9	0.387	0.019	0.7821	
120 minute winter	MH13	7.002	MH19	38.9	0.652	0.048	0.5292	
120 minute winter	MH18	5.003	EX SW 3	24.0	2.966	0.134	0.0507	70.1
120 minute winter	MH19	5.002	MH18	24.9	2.085	0.054	0.1039	

Results for 1 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	93.705	0.055	5.8	0.2080	0.0000	OK
180 minute summer	MH8	96	93.616	0.063	10.5	0.2168	0.0000	OK
180 minute summer	MH7	96	93.517	0.036	3.2	0.1173	0.0000	OK
180 minute summer	MH6	96	93.489	0.081	16.6	0.2519	0.0000	OK
180 minute summer	MH5	96	93.418	0.041	2.2	0.1209	0.0000	OK
180 minute summer	MH4	96	93.417	0.088	19.5	0.2348	0.0000	OK
180 minute summer	MH3	96	93.334	0.036	1.5	0.1014	0.0000	OK
180 minute summer	MH2	96	93.334	0.089	23.9	0.2725	0.0000	OK
180 minute summer	MH1	96	93.236	0.123	26.9	0.3773	0.0000	OK
180 minute summer	MH1.1	96	93.157	0.122	27.7	0.2336	0.0000	OK
180 minute summer	NEW SW 1	100	91.862	0.223	27.6	0.3939	0.0000	SURCHARGED
180 minute summer	EX SW 1	100	91.391	0.141	26.9	0.0000	0.0000	OK
180 minute summer	MH16	96	95.673	0.033	4.7	0.1031	0.0000	OK
180 minute summer	MH14	96	95.794	0.019	1.3	0.0348	0.0000	OK
180 minute summer	MH15	96	94.755	0.037	2.2	0.1161	0.0000	OK
180 minute summer	MH17	96	94.746	0.049	6.9	0.1462	0.0000	OK
180 minute summer	MH11	96	94.841	0.041	4.3	0.1473	0.0000	OK
180 minute summer	MH12	96	94.719	0.069	8.9	0.2343	0.0000	OK
180 minute summer	MH10	96	94.702	0.057	5.9	0.2216	0.0000	OK
180 minute summer	MH13	100	94.687	0.109	17.3	0.3240	0.0000	OK
180 minute summer	MH18	100	94.055	0.055	19.5	0.1636	0.0000	OK
180 minute summer	MH19	96	94.662	0.201	39.4	0.9086	0.0000	OK
180 minute summer	EX SW 3	100	93.317	0.050	19.8	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	5.8	0.409	0.018	0.6189	
180 minute summer	MH8	1.001	MH6	10.5	0.548	0.024	0.6819	
180 minute summer	MH7	2.000	MH6	3.2	0.229	0.007	0.2731	
180 minute summer	MH6	1.002	MH4	16.6	0.684	0.038	0.4655	
180 minute summer	MH5	3.000	MH4	2.2	0.174	0.005	0.2042	
180 minute summer	MH4	1.003	MH2	19.4	0.755	0.044	0.5247	
180 minute summer	MH3	4.000	MH2	1.5	0.099	0.003	0.2173	
180 minute summer	MH2	1.004	MH1	23.8	0.715	0.049	0.8879	
180 minute summer	MH1	1.005	MH1.1	26.8	0.858	0.209	0.5863	
180 minute summer	MH1.1	1.006	NEW SW 1	27.6	0.947	0.196	0.2225	
180 minute summer	NEW SW 1	EX1.000	EX SW 1	26.9	1.630	1.014	0.3047	82.9
180 minute summer	MH16	5.000	MH17	4.7	1.137	0.025	0.0916	
180 minute summer	MH14	6.000	MH15	1.3	1.053	0.031	0.0140	
180 minute summer	MH15	6.001	MH17	2.2	0.249	0.007	0.0936	
180 minute summer	MH17	5.001	MH19	6.9	0.186	0.014	2.1477	
180 minute summer	MH11	7.000	MH12	4.3	0.336	0.009	0.4440	
180 minute summer	MH12	7.001	MH13	9.0	0.480	0.029	0.9440	
180 minute summer	MH10	8.000	MH13	5.9	0.390	0.019	0.8055	
180 minute summer	MH13	7.002	MH19	32.9	0.651	0.041	0.4966	
180 minute summer	MH18	5.003	EX SW 3	19.8	2.811	0.110	0.0441	69.4
180 minute summer	MH19	5.002	MH18	19.5	1.949	0.042	0.0872	

Results for 1 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	93.699	0.049	4.5	0.1847	0.0000	OK
180 minute winter	MH8	96	93.609	0.056	8.2	0.1928	0.0000	OK
180 minute winter	MH7	96	93.513	0.032	2.5	0.1043	0.0000	OK
180 minute winter	MH6	96	93.480	0.072	13.0	0.2226	0.0000	OK
180 minute winter	MH5	96	93.408	0.031	1.7	0.0909	0.0000	OK
180 minute winter	MH4	96	93.407	0.078	15.2	0.2074	0.0000	OK
180 minute winter	MH3	96	93.324	0.026	1.1	0.0734	0.0000	OK
180 minute winter	MH2	96	93.324	0.079	18.6	0.2418	0.0000	OK
180 minute winter	MH1	96	93.220	0.107	20.9	0.3288	0.0000	OK
180 minute winter	MH1.1	96	93.142	0.107	21.6	0.2044	0.0000	OK
180 minute winter	NEW SW 1	96	91.750	0.111	21.6	0.1954	0.0000	OK
180 minute winter	EX SW 1	96	91.352	0.102	21.6	0.0000	0.0000	OK
180 minute winter	MH16	96	95.669	0.029	3.7	0.0917	0.0000	OK
180 minute winter	MH14	96	95.791	0.016	1.0	0.0307	0.0000	OK
180 minute winter	MH15	96	94.750	0.032	1.7	0.1005	0.0000	OK
180 minute winter	MH17	96	94.741	0.044	5.4	0.1307	0.0000	OK
180 minute winter	MH11	96	94.836	0.036	3.3	0.1300	0.0000	OK
180 minute winter	MH12	92	94.711	0.061	6.8	0.2076	0.0000	OK
180 minute winter	MH10	96	94.695	0.050	4.5	0.1951	0.0000	OK
180 minute winter	MH13	100	94.658	0.080	13.1	0.2392	0.0000	OK
180 minute winter	MH18	104	94.054	0.054	19.2	0.1615	0.0000	OK
180 minute winter	MH19	104	94.656	0.195	30.8	0.8833	0.0000	OK
180 minute winter	EX SW 3	104	93.316	0.049	19.1	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)
180 minute winter	MH9	1.000	MH8	4.5	0.379	0.014	0.5202	
180 minute winter	MH8	1.001	MH6	8.2	0.512	0.019	0.5711	
180 minute winter	MH7	2.000	MH6	2.5	0.213	0.006	0.2285	
180 minute winter	MH6	1.002	MH4	13.0	0.643	0.030	0.3884	
180 minute winter	MH5	3.000	MH4	1.7	0.139	0.004	0.1615	
180 minute winter	MH4	1.003	MH2	15.2	0.705	0.034	0.4389	
180 minute winter	MH3	4.000	MH2	1.1	0.098	0.003	0.1717	
180 minute winter	MH2	1.004	MH1	18.5	0.672	0.038	0.7347	
180 minute winter	MH1	1.005	MH1.1	20.9	0.807	0.163	0.4857	
180 minute winter	MH1.1	1.006	NEW SW 1	21.6	0.887	0.153	0.1856	
180 minute winter	NEW SW 1	EX1.000	EX SW 1	21.6	1.613	0.812	0.2343	93.6
180 minute winter	MH16	5.000	MH17	3.7	1.059	0.019	0.0774	
180 minute winter	MH14	6.000	MH15	1.0	0.975	0.024	0.0116	
180 minute winter	MH15	6.001	MH17	1.7	0.235	0.006	0.0778	
180 minute winter	MH17	5.001	MH19	5.4	0.294	0.011	2.0246	
180 minute winter	MH11	7.000	MH12	3.3	0.310	0.007	0.3708	
180 minute winter	MH12	7.001	MH13	6.8	0.471	0.022	0.6660	
180 minute winter	MH10	8.000	MH13	4.5	0.375	0.015	0.5564	
180 minute winter	MH13	7.002	MH19	25.4	0.558	0.031	0.4062	
180 minute winter	MH18	5.003	EX SW 3	19.1	2.778	0.107	0.0432	80.3
180 minute winter	MH19	5.002	MH18	19.2	1.952	0.041	0.0854	

Results for 1 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	93.701	0.051	5.0	0.1928	0.0000	OK
240 minute summer	MH8	124	93.611	0.058	9.0	0.2003	0.0000	OK
240 minute summer	MH7	124	93.515	0.034	2.8	0.1095	0.0000	OK
240 minute summer	MH6	124	93.483	0.075	14.2	0.2314	0.0000	OK
240 minute summer	MH5	128	93.410	0.033	1.9	0.0993	0.0000	OK
240 minute summer	MH4	128	93.410	0.081	16.4	0.2150	0.0000	OK
240 minute summer	MH3	128	93.327	0.029	1.3	0.0819	0.0000	OK
240 minute summer	MH2	128	93.327	0.082	20.1	0.2511	0.0000	OK
240 minute summer	MH1	128	93.225	0.112	22.6	0.3437	0.0000	OK
240 minute summer	MH1.1	128	93.147	0.112	23.4	0.2137	0.0000	OK
240 minute summer	NEW SW 1	128	91.759	0.120	23.5	0.2114	0.0000	OK
240 minute summer	EX SW 1	128	91.360	0.110	23.5	0.0000	0.0000	OK
240 minute summer	MH16	124	95.671	0.031	4.1	0.0961	0.0000	OK
240 minute summer	MH14	124	95.792	0.017	1.1	0.0322	0.0000	OK
240 minute summer	MH15	128	94.752	0.034	1.9	0.1068	0.0000	OK
240 minute summer	MH17	124	94.743	0.046	6.0	0.1360	0.0000	OK
240 minute summer	MH11	124	94.838	0.038	3.7	0.1367	0.0000	OK
240 minute summer	MH12	124	94.714	0.064	7.6	0.2175	0.0000	OK
240 minute summer	MH10	124	94.698	0.053	5.1	0.2055	0.0000	OK
240 minute summer	MH13	124	94.654	0.076	16.4	0.2252	0.0000	OK
240 minute summer	MH18	128	94.058	0.058	22.1	0.1742	0.0000	OK
240 minute summer	MH19	128	94.672	0.211	27.3	0.9540	0.0000	OK
240 minute summer	EX SW 3	128	93.320	0.053	21.9	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 summer	MH9	1.000	MH8	4.9	0.391	0.015	0.5522	
240 minute summer	MH8	1.001	MH6	8.9	0.526	0.020	0.6045	
240 minute summer	MH7	2.000	MH6	2.8	0.220	0.006	0.2427	
240 minute summer	MH6	1.002	MH4	14.0	0.656	0.032	0.4100	
240 minute summer	MH5	3.000	MH4	1.8	0.246	0.004	0.1731	
240 minute summer	MH4	1.003	MH2	16.3	0.719	0.037	0.4633	
240 minute summer	MH3	4.000	MH2	1.2	0.112	0.003	0.1854	
240 minute summer	MH2	1.004	MH1	20.1	0.684	0.041	0.7811	
240 minute summer	MH1	1.005	MH1.1	22.7	0.824	0.177	0.5169	
240 minute summer	MH1.1	1.006	NEW SW 1	23.5	0.908	0.167	0.1974	
240 minute summer	NEW SW 1	EX1.000	EX SW 1	23.5	1.629	0.886	0.2529	92.4
240 minute summer	MH16	5.000	MH17	4.1	1.089	0.021	0.0828	
240 minute summer	MH14	6.000	MH15	1.1	1.002	0.027	0.0124	
240 minute summer	MH15	6.001	MH17	1.9	0.246	0.006	0.0836	
240 minute summer	MH17	5.001	MH19	5.9	0.196	0.012	2.2510	
240 minute summer	MH11	7.000	MH12	3.7	0.320	0.008	0.3976	
240 minute summer	MH12	7.001	MH13	7.7	0.469	0.025	0.6563	
240 minute summer	MH10	8.000	MH13	5.0	0.378	0.016	0.5437	
240 minute summer	MH13	7.002	MH19	22.1	0.476	0.027	0.4448	
240 minute summer	MH18	5.003	EX SW 3	21.9	2.874	0.122	0.0478	79.4
240 minute summer	MH19	5.002	MH18	22.1	2.021	0.048	0.0951	

Results for 1 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	128	93.695	0.045	3.7	0.1687	0.0000	OK
240 minute winter	MH8	128	93.604	0.051	6.7	0.1755	0.0000	OK
240 minute winter	MH7	128	93.511	0.030	2.1	0.0963	0.0000	OK
240 minute winter	MH6	128	93.473	0.065	10.7	0.2022	0.0000	OK
240 minute winter	MH5	124	93.402	0.025	1.4	0.0743	0.0000	OK
240 minute winter	MH4	128	93.400	0.071	12.5	0.1883	0.0000	OK
240 minute winter	MH3	124	93.318	0.020	0.9	0.0577	0.0000	OK
240 minute winter	MH2	128	93.317	0.072	15.3	0.2206	0.0000	OK
240 minute winter	MH1	128	93.210	0.097	17.3	0.2969	0.0000	OK
240 minute winter	MH1.1	128	93.132	0.097	17.9	0.1850	0.0000	OK
240 minute winter	NEW SW 1	128	91.735	0.096	17.9	0.1694	0.0000	OK
240 minute winter	EX SW 1	128	91.340	0.090	17.9	0.0000	0.0000	OK
240 minute winter	MH16	124	95.667	0.027	3.0	0.0831	0.0000	OK
240 minute winter	MH14	124	95.790	0.015	0.9	0.0290	0.0000	OK
240 minute winter	MH15	124	94.748	0.030	1.5	0.0942	0.0000	OK
240 minute winter	MH17	124	94.737	0.040	4.5	0.1199	0.0000	OK
240 minute winter	MH11	124	94.833	0.033	2.8	0.1198	0.0000	OK
240 minute winter	MH12	124	94.708	0.058	5.7	0.1976	0.0000	OK
240 minute winter	MH10	124	94.691	0.046	3.8	0.1799	0.0000	OK
240 minute winter	MH13	128	94.632	0.054	11.0	0.1600	0.0000	OK
240 minute winter	MH18	132	94.048	0.048	15.3	0.1423	0.0000	OK
240 minute winter	MH19	132	94.635	0.174	17.5	0.7865	0.0000	OK
240 minute winter	EX SW 3	132	93.311	0.044	15.1	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 winter	MH9	1.000	MH8	3.7	0.356	0.011	0.4533	
240 minute winter	MH8	1.001	MH6	6.7	0.481	0.015	0.4950	
240 minute winter	MH7	2.000	MH6	2.1	0.203	0.005	0.1988	
240 minute winter	MH6	1.002	MH4	10.7	0.611	0.024	0.3367	
240 minute winter	MH5	3.000	MH4	1.4	0.160	0.003	0.1356	
240 minute winter	MH4	1.003	MH2	12.5	0.667	0.028	0.3826	
240 minute winter	MH3	4.000	MH2	0.9	0.119	0.002	0.1453	
240 minute winter	MH2	1.004	MH1	15.3	0.638	0.031	0.6376	
240 minute winter	MH1	1.005	MH1.1	17.3	0.769	0.135	0.4216	
240 minute winter	MH1.1	1.006	NEW SW 1	17.9	0.843	0.127	0.1619	
240 minute winter	NEW SW 1	EX1.000	EX SW 1	17.9	1.561	0.674	0.2009	103.6
240 minute winter	MH16	5.000	MH17	3.0	0.998	0.016	0.0667	
240 minute winter	MH14	6.000	MH15	0.9	0.941	0.021	0.0107	
240 minute winter	MH15	6.001	MH17	1.5	0.225	0.005	0.0689	
240 minute winter	MH17	5.001	MH19	4.5	0.198	0.009	1.7351	
240 minute winter	MH11	7.000	MH12	2.8	0.285	0.006	0.3403	
240 minute winter	MH12	7.001	MH13	5.8	0.461	0.019	0.4687	
240 minute winter	MH10	8.000	MH13	3.8	0.368	0.012	0.3702	
240 minute winter	MH13	7.002	MH19	13.1	0.439	0.016	0.3340	
240 minute winter	MH18	5.003	EX SW 3	15.1	2.617	0.085	0.0363	88.7
240 minute winter	MH19	5.002	MH18	15.3	1.850	0.033	0.0717	

Results for 1 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	93.695	0.045	3.9	0.1716	0.0000	OK
360 minute summer	MH8	184	93.605	0.052	7.0	0.1783	0.0000	OK
360 minute summer	MH7	184	93.511	0.030	2.2	0.0979	0.0000	OK
360 minute summer	MH6	184	93.474	0.066	11.1	0.2048	0.0000	OK
360 minute summer	MH5	184	93.403	0.026	1.5	0.0763	0.0000	OK
360 minute summer	MH4	184	93.400	0.071	12.8	0.1900	0.0000	OK
360 minute summer	MH3	184	93.319	0.021	1.0	0.0602	0.0000	OK
360 minute summer	MH2	184	93.317	0.072	15.7	0.2224	0.0000	OK
360 minute summer	MH1	184	93.210	0.097	17.7	0.2989	0.0000	OK
360 minute summer	MH1.1	184	93.132	0.097	18.1	0.1856	0.0000	OK
360 minute summer	NEW SW 1	184	91.735	0.096	18.0	0.1697	0.0000	OK
360 minute summer	EX SW 1	184	91.340	0.090	17.9	0.0000	0.0000	OK
360 minute summer	MH16	184	95.667	0.027	3.2	0.0854	0.0000	OK
360 minute summer	MH14	184	95.791	0.016	0.9	0.0291	0.0000	OK
360 minute summer	MH15	184	94.748	0.030	1.5	0.0943	0.0000	OK
360 minute summer	MH17	184	94.738	0.041	4.7	0.1215	0.0000	OK
360 minute summer	MH11	184	94.834	0.034	2.9	0.1214	0.0000	OK
360 minute summer	MH12	184	94.709	0.059	6.0	0.2011	0.0000	OK
360 minute summer	MH10	184	94.691	0.046	3.9	0.1814	0.0000	OK
360 minute summer	MH13	184	94.628	0.050	11.3	0.1474	0.0000	OK
360 minute summer	MH18	192	94.048	0.048	15.4	0.1432	0.0000	OK
360 minute summer	MH19	192	94.636	0.175	15.6	0.7896	0.0000	OK
360 minute summer	EX SW 3	192	93.311	0.044	15.3	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	3.8	0.361	0.012	0.4643	
360 minute summer	MH8	1.001	MH6	6.9	0.487	0.016	0.5051	
360 minute summer	MH7	2.000	MH6	2.2	0.206	0.005	0.2028	
360 minute summer	MH6	1.002	MH4	10.9	0.615	0.025	0.3421	
360 minute summer	MH5	3.000	MH4	1.5	0.140	0.003	0.1381	
360 minute summer	MH4	1.003	MH2	12.7	0.669	0.029	0.3876	
360 minute summer	MH3	4.000	MH2	1.0	0.098	0.002	0.1481	
360 minute summer	MH2	1.004	MH1	15.6	0.642	0.032	0.6446	
360 minute summer	MH1	1.005	MH1.1	17.5	0.772	0.136	0.4246	
360 minute summer	MH1.1	1.006	NEW SW 1	18.0	0.843	0.127	0.1626	
360 minute summer	NEW SW 1	EX1.000	EX SW 1	17.9	1.561	0.675	0.2012	104.8
360 minute summer	MH16	5.000	MH17	3.2	1.014	0.017	0.0695	
360 minute summer	MH14	6.000	MH15	0.9	0.942	0.022	0.0108	
360 minute summer	MH15	6.001	MH17	1.5	0.223	0.005	0.0699	
360 minute summer	MH17	5.001	MH19	4.6	0.218	0.009	1.7404	
360 minute summer	MH11	7.000	MH12	2.9	0.286	0.006	0.3486	
360 minute summer	MH12	7.001	MH13	5.9	0.466	0.019	0.4538	
360 minute summer	MH10	8.000	MH13	3.8	0.367	0.013	0.3507	
360 minute summer	MH13	7.002	MH19	11.4	0.319	0.014	0.3337	
360 minute summer	MH18	5.003	EX SW 3	15.3	2.625	0.086	0.0366	90.5
360 minute summer	MH19	5.002	MH18	15.4	1.853	0.033	0.0722	

Results for 1 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	192	93.689	0.039	2.8	0.1490	0.0000	OK
360 minute winter	MH8	192	93.598	0.045	5.1	0.1546	0.0000	OK
360 minute winter	MH7	184	93.507	0.026	1.6	0.0853	0.0000	OK
360 minute winter	MH6	184	93.465	0.057	8.1	0.1754	0.0000	OK
360 minute winter	MH5	184	93.399	0.022	1.1	0.0665	0.0000	OK
360 minute winter	MH4	184	93.391	0.062	9.5	0.1641	0.0000	OK
360 minute winter	MH3	184	93.316	0.018	0.7	0.0515	0.0000	OK
360 minute winter	MH2	184	93.308	0.063	11.7	0.1941	0.0000	OK
360 minute winter	MH1	184	93.197	0.084	13.2	0.2566	0.0000	OK
360 minute winter	MH1.1	184	93.119	0.084	13.5	0.1596	0.0000	OK
360 minute winter	NEW SW 1	184	91.719	0.080	13.5	0.1407	0.0000	OK
360 minute winter	EX SW 1	184	91.326	0.076	13.5	0.0000	0.0000	OK
360 minute winter	MH16	184	95.663	0.023	2.3	0.0732	0.0000	OK
360 minute winter	MH14	184	95.789	0.014	0.7	0.0258	0.0000	OK
360 minute winter	MH15	184	94.745	0.027	1.2	0.0853	0.0000	OK
360 minute winter	MH17	184	94.733	0.036	3.5	0.1061	0.0000	OK
360 minute winter	MH11	184	94.829	0.029	2.1	0.1051	0.0000	OK
360 minute winter	MH12	184	94.701	0.051	4.3	0.1738	0.0000	OK
360 minute winter	MH10	184	94.686	0.041	2.9	0.1594	0.0000	OK
360 minute winter	MH13	184	94.621	0.043	8.4	0.1266	0.0000	OK
360 minute winter	MH18	184	94.041	0.041	11.7	0.1237	0.0000	OK
360 minute winter	MH19	184	94.612	0.151	11.8	0.6821	0.0000	OK
360 minute winter	EX SW 3	184	93.306	0.039	11.7	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)
360 minute winter	MH9	1.000	MH8	2.8	0.326	0.009	0.3750	
360 minute winter	MH8	1.001	MH6	5.1	0.450	0.012	0.4058	
360 minute winter	MH7	2.000	MH6	1.6	0.189	0.004	0.1618	
360 minute winter	MH6	1.002	MH4	8.1	0.566	0.018	0.2743	
360 minute winter	MH5	3.000	MH4	1.1	0.130	0.003	0.1114	
360 minute winter	MH4	1.003	MH2	9.5	0.615	0.022	0.3145	
360 minute winter	MH3	4.000	MH2	0.7	0.090	0.002	0.1204	
360 minute winter	MH2	1.004	MH1	11.7	0.595	0.024	0.5204	
360 minute winter	MH1	1.005	MH1.1	13.1	0.719	0.102	0.3424	
360 minute winter	MH1.1	1.006	NEW SW 1	13.5	0.781	0.096	0.1320	
360 minute winter	NEW SW 1	EX1.000	EX SW 1	13.5	1.469	0.509	0.1613	118.3
360 minute winter	MH16	5.000	MH17	2.3	0.917	0.012	0.0556	
360 minute winter	MH14	6.000	MH15	0.7	0.875	0.017	0.0090	
360 minute winter	MH15	6.001	MH17	1.2	0.213	0.004	0.0581	
360 minute winter	MH17	5.001	MH19	3.4	0.206	0.007	1.4274	
360 minute winter	MH11	7.000	MH12	2.1	0.261	0.005	0.2799	
360 minute winter	MH12	7.001	MH13	4.3	0.422	0.014	0.3635	
360 minute winter	MH10	8.000	MH13	2.9	0.341	0.009	0.2834	
360 minute winter	MH13	7.002	MH19	8.3	0.386	0.010	0.2715	
360 minute winter	MH18	5.003	EX SW 3	11.7	2.440	0.065	0.0300	100.5
360 minute winter	MH19	5.002	MH18	11.7	1.729	0.025	0.0586	

Results for 1 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	93.691	0.041	3.1	0.1559	0.0000	OK
480 minute summer	MH8	248	93.600	0.047	5.6	0.1614	0.0000	OK
480 minute summer	MH7	248	93.508	0.027	1.7	0.0877	0.0000	OK
480 minute summer	MH6	248	93.467	0.059	8.9	0.1840	0.0000	OK
480 minute summer	MH5	248	93.400	0.023	1.2	0.0692	0.0000	OK
480 minute summer	MH4	248	93.394	0.065	10.5	0.1729	0.0000	OK
480 minute summer	MH3	248	93.317	0.019	0.8	0.0547	0.0000	OK
480 minute summer	MH2	248	93.311	0.066	12.9	0.2038	0.0000	OK
480 minute summer	MH1	248	93.201	0.088	14.6	0.2713	0.0000	OK
480 minute summer	MH1.1	248	93.124	0.089	15.1	0.1691	0.0000	OK
480 minute summer	NEW SW 1	248	91.724	0.085	15.1	0.1509	0.0000	OK
480 minute summer	EX SW 1	248	91.331	0.081	15.1	0.0000	0.0000	OK
480 minute summer	MH16	248	95.664	0.024	2.5	0.0761	0.0000	OK
480 minute summer	MH14	248	95.789	0.014	0.7	0.0259	0.0000	OK
480 minute summer	MH15	248	94.745	0.027	1.2	0.0860	0.0000	OK
480 minute summer	MH17	248	94.734	0.037	3.7	0.1098	0.0000	OK
480 minute summer	MH11	248	94.830	0.030	2.3	0.1098	0.0000	OK
480 minute summer	MH12	248	94.704	0.054	4.8	0.1835	0.0000	OK
480 minute summer	MH10	248	94.687	0.042	3.1	0.1645	0.0000	OK
480 minute summer	MH13	248	94.623	0.045	9.2	0.1324	0.0000	OK
480 minute summer	MH18	248	94.044	0.044	12.9	0.1304	0.0000	OK
480 minute summer	MH19	248	94.620	0.159	12.9	0.7182	0.0000	OK
480 minute summer	EX SW 3	248	93.308	0.041	12.9	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)
480 minute summer	MH9	1.000	MH8	3.1	0.337	0.010	0.4011	
480 minute summer	MH8	1.001	MH6	5.6	0.461	0.013	0.4345	
480 minute summer	MH7	2.000	MH6	1.7	0.191	0.004	0.1728	
480 minute summer	MH6	1.002	MH4	8.9	0.579	0.020	0.2952	
480 minute summer	MH5	3.000	MH4	1.2	0.131	0.003	0.1198	
480 minute summer	MH4	1.003	MH2	10.5	0.634	0.024	0.3382	
480 minute summer	MH3	4.000	MH2	0.8	0.116	0.002	0.1296	
480 minute summer	MH2	1.004	MH1	12.9	0.610	0.027	0.5618	
480 minute summer	MH1	1.005	MH1.1	14.6	0.737	0.114	0.3711	
480 minute summer	MH1.1	1.006	NEW SW 1	15.1	0.805	0.107	0.1430	
480 minute summer	NEW SW 1	EX1.000	EX SW 1	15.1	1.506	0.568	0.1756	114.5
480 minute summer	MH16	5.000	MH17	2.5	0.942	0.013	0.0589	
480 minute summer	MH14	6.000	MH15	0.7	0.877	0.017	0.0090	
480 minute summer	MH15	6.001	MH17	1.2	0.210	0.004	0.0602	
480 minute summer	MH17	5.001	MH19	3.7	0.174	0.008	1.5306	
480 minute summer	MH11	7.000	MH12	2.3	0.266	0.005	0.3022	
480 minute summer	MH12	7.001	MH13	4.8	0.440	0.016	0.3917	
480 minute summer	MH10	8.000	MH13	3.1	0.346	0.010	0.3005	
480 minute summer	MH13	7.002	MH19	9.2	0.383	0.011	0.2916	
480 minute summer	MH18	5.003	EX SW 3	12.9	2.506	0.072	0.0322	97.8
480 minute summer	MH19	5.002	MH18	12.9	1.771	0.028	0.0632	

Results for 1 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	93.686	0.036	2.3	0.1354	0.0000	OK
480 minute winter	MH8	248	93.594	0.041	4.2	0.1417	0.0000	OK
480 minute winter	MH7	248	93.505	0.024	1.3	0.0777	0.0000	OK
480 minute winter	MH6	248	93.460	0.052	6.7	0.1600	0.0000	OK
480 minute winter	MH5	248	93.397	0.020	0.9	0.0608	0.0000	OK
480 minute winter	MH4	248	93.385	0.056	7.9	0.1500	0.0000	OK
480 minute winter	MH3	248	93.315	0.017	0.6	0.0481	0.0000	OK
480 minute winter	MH2	248	93.303	0.058	9.7	0.1778	0.0000	OK
480 minute winter	MH1	248	93.189	0.076	10.9	0.2328	0.0000	OK
480 minute winter	MH1.1	248	93.111	0.076	11.3	0.1454	0.0000	OK
480 minute winter	NEW SW 1	248	91.710	0.071	11.3	0.1261	0.0000	OK
480 minute winter	EX SW 1	248	91.318	0.068	11.3	0.0000	0.0000	OK
480 minute winter	MH16	248	95.661	0.021	1.9	0.0670	0.0000	OK
480 minute winter	MH14	224	95.787	0.012	0.5	0.0221	0.0000	OK
480 minute winter	MH15	248	94.742	0.024	0.9	0.0755	0.0000	OK
480 minute winter	MH17	248	94.729	0.032	2.8	0.0962	0.0000	OK
480 minute winter	MH11	248	94.827	0.027	1.7	0.0960	0.0000	OK
480 minute winter	MH12	248	94.697	0.047	3.5	0.1591	0.0000	OK
480 minute winter	MH10	248	94.682	0.037	2.3	0.1432	0.0000	OK
480 minute winter	MH13	248	94.617	0.039	6.7	0.1147	0.0000	OK
480 minute winter	MH18	248	94.037	0.037	9.5	0.1112	0.0000	OK
480 minute winter	MH19	248	94.596	0.135	9.5	0.6126	0.0000	OK
480 minute winter	EX SW 3	248	93.302	0.035	9.5	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	2.3	0.310	0.007	0.3277	
480 minute winter	MH8	1.001	MH6	4.2	0.421	0.010	0.3538	
480 minute winter	MH7	2.000	MH6	1.3	0.179	0.003	0.1408	
480 minute winter	MH6	1.002	MH4	6.7	0.538	0.015	0.2395	
480 minute winter	MH5	3.000	MH4	0.9	0.122	0.002	0.0974	
480 minute winter	MH4	1.003	MH2	7.9	0.584	0.018	0.2760	
480 minute winter	MH3	4.000	MH2	0.6	0.084	0.001	0.1062	
480 minute winter	MH2	1.004	MH1	9.7	0.569	0.020	0.4539	
480 minute winter	MH1	1.005	MH1.1	10.9	0.684	0.085	0.2988	
480 minute winter	MH1.1	1.006	NEW SW 1	11.3	0.744	0.080	0.1159	
480 minute winter	NEW SW 1	EX1.000	EX SW 1	11.3	1.408	0.425	0.1407	127.8
480 minute winter	MH16	5.000	MH17	1.9	0.865	0.010	0.0487	
480 minute winter	MH14	6.000	MH15	0.5	0.791	0.012	0.0072	
480 minute winter	MH15	6.001	MH17	0.9	0.196	0.003	0.0495	
480 minute winter	MH17	5.001	MH19	2.8	0.223	0.006	1.2264	
480 minute winter	MH11	7.000	MH12	1.7	0.242	0.004	0.2447	
480 minute winter	MH12	7.001	MH13	3.5	0.398	0.011	0.3164	
480 minute winter	MH10	8.000	MH13	2.3	0.317	0.008	0.2428	
480 minute winter	MH13	7.002	MH19	6.7	0.338	0.008	0.2331	
480 minute winter	MH18	5.003	EX SW 3	9.5	2.309	0.053	0.0258	110.1
480 minute winter	MH19	5.002	MH18	9.5	1.639	0.021	0.0504	

Results for 1 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	93.688	0.038	2.6	0.1437	0.0000	OK
600 minute summer	MH8	315	93.596	0.043	4.7	0.1490	0.0000	OK
600 minute summer	MH7	315	93.506	0.025	1.4	0.0804	0.0000	OK
600 minute summer	MH6	315	93.462	0.054	7.4	0.1680	0.0000	OK
600 minute summer	MH5	315	93.398	0.021	1.0	0.0637	0.0000	OK
600 minute summer	MH4	315	93.388	0.059	8.7	0.1573	0.0000	OK
600 minute summer	MH3	315	93.316	0.018	0.7	0.0515	0.0000	OK
600 minute summer	MH2	315	93.306	0.061	10.7	0.1863	0.0000	OK
600 minute summer	MH1	315	93.193	0.080	12.1	0.2458	0.0000	OK
600 minute summer	MH1.1	315	93.115	0.080	12.5	0.1532	0.0000	OK
600 minute summer	NEW SW 1	315	91.715	0.076	12.5	0.1340	0.0000	OK
600 minute summer	EX SW 1	315	91.322	0.072	12.5	0.0000	0.0000	OK
600 minute summer	MH16	315	95.662	0.022	2.1	0.0702	0.0000	OK
600 minute summer	MH14	315	95.788	0.013	0.6	0.0241	0.0000	OK
600 minute summer	MH15	315	94.743	0.025	1.0	0.0793	0.0000	OK
600 minute summer	MH17	315	94.731	0.034	3.1	0.1009	0.0000	OK
600 minute summer	MH11	315	94.828	0.028	1.9	0.1008	0.0000	OK
600 minute summer	MH12	315	94.699	0.049	3.9	0.1669	0.0000	OK
600 minute summer	MH10	315	94.684	0.039	2.6	0.1520	0.0000	OK
600 minute summer	MH13	315	94.619	0.041	7.5	0.1208	0.0000	OK
600 minute summer	MH18	315	94.039	0.039	10.6	0.1178	0.0000	OK
600 minute summer	MH19	315	94.604	0.143	10.6	0.6489	0.0000	OK
600 minute summer	EX SW 3	315	93.304	0.037	10.6	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)
600 minute summer	MH9	1.000	MH8	2.6	0.321	0.008	0.3554	
600 minute summer	MH8	1.001	MH6	4.7	0.438	0.011	0.3813	
600 minute summer	MH7	2.000	MH6	1.4	0.180	0.003	0.1506	
600 minute summer	MH6	1.002	MH4	7.4	0.553	0.017	0.2573	
600 minute summer	MH5	3.000	MH4	1.0	0.126	0.002	0.1046	
600 minute summer	MH4	1.003	MH2	8.7	0.600	0.020	0.2959	
600 minute summer	MH3	4.000	MH2	0.7	0.091	0.002	0.1144	
600 minute summer	MH2	1.004	MH1	10.7	0.581	0.022	0.4890	
600 minute summer	MH1	1.005	MH1.1	12.1	0.704	0.094	0.3225	
600 minute summer	MH1.1	1.006	NEW SW 1	12.5	0.764	0.089	0.1246	
600 minute summer	NEW SW 1	EX1.000	EX SW 1	12.5	1.443	0.471	0.1519	121.1
600 minute summer	MH16	5.000	MH17	2.1	0.892	0.011	0.0522	
600 minute summer	MH14	6.000	MH15	0.6	0.838	0.014	0.0081	
600 minute summer	MH15	6.001	MH17	1.0	0.199	0.003	0.0531	
600 minute summer	MH17	5.001	MH19	3.1	0.122	0.006	1.3291	
600 minute summer	MH11	7.000	MH12	1.9	0.253	0.004	0.2633	
600 minute summer	MH12	7.001	MH13	3.9	0.411	0.013	0.3405	
600 minute summer	MH10	8.000	MH13	2.6	0.331	0.008	0.2633	
600 minute summer	MH13	7.002	MH19	7.5	0.278	0.009	0.2527	
600 minute summer	MH18	5.003	EX SW 3	10.6	2.378	0.059	0.0280	104.9
600 minute summer	MH19	5.002	MH18	10.6	1.687	0.023	0.0546	

Results for 1 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	93.683	0.033	2.0	0.1267	0.0000	OK
600 minute winter	MH8	315	93.591	0.038	3.6	0.1320	0.0000	OK
600 minute winter	MH7	315	93.503	0.022	1.1	0.0720	0.0000	OK
600 minute winter	MH6	315	93.456	0.048	5.7	0.1478	0.0000	OK
600 minute winter	MH5	315	93.396	0.019	0.8	0.0576	0.0000	OK
600 minute winter	MH4	315	93.381	0.052	6.7	0.1387	0.0000	OK
600 minute winter	MH3	300	93.314	0.016	0.5	0.0445	0.0000	OK
600 minute winter	MH2	315	93.298	0.053	8.2	0.1645	0.0000	OK
600 minute winter	MH1	315	93.183	0.070	9.3	0.2146	0.0000	OK
600 minute winter	MH1.1	315	93.105	0.070	9.6	0.1337	0.0000	OK
600 minute winter	NEW SW 1	315	91.704	0.065	9.6	0.1146	0.0000	OK
600 minute winter	EX SW 1	315	91.312	0.062	9.6	0.0000	0.0000	OK
600 minute winter	MH16	315	95.660	0.020	1.6	0.0621	0.0000	OK
600 minute winter	MH14	315	95.787	0.012	0.5	0.0221	0.0000	OK
600 minute winter	MH15	315	94.741	0.023	0.8	0.0716	0.0000	OK
600 minute winter	MH17	315	94.727	0.030	2.4	0.0896	0.0000	OK
600 minute winter	MH11	315	94.825	0.025	1.5	0.0907	0.0000	OK
600 minute winter	MH12	315	94.695	0.045	3.1	0.1510	0.0000	OK
600 minute winter	MH10	315	94.679	0.034	2.0	0.1339	0.0000	OK
600 minute winter	MH13	315	94.614	0.036	5.9	0.1078	0.0000	OK
600 minute winter	MH18	315	94.035	0.035	8.3	0.1037	0.0000	OK
600 minute winter	MH19	315	94.587	0.126	8.3	0.5716	0.0000	OK
600 minute winter	EX SW 3	315	93.300	0.033	8.3	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)
600 minute winter	MH9	1.000	MH8	2.0	0.295	0.006	0.2958	
600 minute winter	MH8	1.001	MH6	3.6	0.405	0.008	0.3166	
600 minute winter	MH7	2.000	MH6	1.1	0.168	0.003	0.1255	
600 minute winter	MH6	1.002	MH4	5.7	0.514	0.013	0.2130	
600 minute winter	MH5	3.000	MH4	0.8	0.119	0.002	0.0870	
600 minute winter	MH4	1.003	MH2	6.7	0.559	0.015	0.2449	
600 minute winter	MH3	4.000	MH2	0.5	0.095	0.001	0.0942	
600 minute winter	MH2	1.004	MH1	8.2	0.540	0.017	0.4028	
600 minute winter	MH1	1.005	MH1.1	9.3	0.657	0.072	0.2655	
600 minute winter	MH1.1	1.006	NEW SW 1	9.6	0.710	0.068	0.1030	
600 minute winter	NEW SW 1	EX1.000	EX SW 1	9.6	1.352	0.361	0.1244	137.5
600 minute winter	MH16	5.000	MH17	1.6	0.822	0.008	0.0432	
600 minute winter	MH14	6.000	MH15	0.5	0.791	0.012	0.0072	
600 minute winter	MH15	6.001	MH17	0.8	0.191	0.003	0.0448	
600 minute winter	MH17	5.001	MH19	2.4	0.112	0.005	1.1101	
600 minute winter	MH11	7.000	MH12	1.5	0.231	0.003	0.2256	
600 minute winter	MH12	7.001	MH13	3.1	0.385	0.010	0.2914	
600 minute winter	MH10	8.000	MH13	2.0	0.302	0.007	0.2215	
600 minute winter	MH13	7.002	MH19	5.9	0.260	0.007	0.2115	
600 minute winter	MH18	5.003	EX SW 3	8.3	2.226	0.046	0.0234	119.8
600 minute winter	MH19	5.002	MH18	8.3	1.585	0.018	0.0455	

Results for 1 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	93.686	0.036	2.3	0.1354	0.0000	OK
720 minute summer	MH8	375	93.594	0.041	4.2	0.1417	0.0000	OK
720 minute summer	MH7	375	93.505	0.024	1.3	0.0777	0.0000	OK
720 minute summer	MH6	375	93.460	0.052	6.7	0.1600	0.0000	OK
720 minute summer	MH5	375	93.397	0.020	0.9	0.0608	0.0000	OK
720 minute summer	MH4	375	93.385	0.056	7.9	0.1500	0.0000	OK
720 minute summer	MH3	375	93.315	0.017	0.6	0.0481	0.0000	OK
720 minute summer	MH2	375	93.303	0.058	9.7	0.1778	0.0000	OK
720 minute summer	MH1	375	93.189	0.076	10.9	0.2328	0.0000	OK
720 minute summer	MH1.1	375	93.111	0.076	11.3	0.1454	0.0000	OK
720 minute summer	NEW SW 1	375	91.710	0.071	11.3	0.1261	0.0000	OK
720 minute summer	EX SW 1	375	91.318	0.068	11.3	0.0000	0.0000	OK
720 minute summer	MH16	375	95.661	0.021	1.9	0.0670	0.0000	OK
720 minute summer	MH14	375	95.787	0.012	0.5	0.0221	0.0000	OK
720 minute summer	MH15	375	94.742	0.024	0.9	0.0755	0.0000	OK
720 minute summer	MH17	375	94.729	0.032	2.8	0.0962	0.0000	OK
720 minute summer	MH11	375	94.827	0.027	1.7	0.0960	0.0000	OK
720 minute summer	MH12	375	94.697	0.047	3.5	0.1591	0.0000	OK
720 minute summer	MH10	375	94.682	0.037	2.3	0.1432	0.0000	OK
720 minute summer	MH13	375	94.617	0.039	6.7	0.1147	0.0000	OK
720 minute summer	MH18	375	94.037	0.037	9.5	0.1112	0.0000	OK
720 minute summer	MH19	375	94.596	0.135	9.5	0.6127	0.0000	OK
720 minute summer	EX SW 3	375	93.302	0.035	9.5	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)
720 minute summer	MH9	1.000	MH8	2.3	0.308	0.007	0.3277	
720 minute summer	MH8	1.001	MH6	4.2	0.421	0.010	0.3538	
720 minute summer	MH7	2.000	MH6	1.3	0.178	0.003	0.1408	
720 minute summer	MH6	1.002	MH4	6.7	0.538	0.015	0.2395	
720 minute summer	MH5	3.000	MH4	0.9	0.121	0.002	0.0974	
720 minute summer	MH4	1.003	MH2	7.9	0.584	0.018	0.2760	
720 minute summer	MH3	4.000	MH2	0.6	0.084	0.001	0.1062	
720 minute summer	MH2	1.004	MH1	9.7	0.569	0.020	0.4539	
720 minute summer	MH1	1.005	MH1.1	10.9	0.684	0.085	0.2988	
720 minute summer	MH1.1	1.006	NEW SW 1	11.3	0.744	0.080	0.1159	
720 minute summer	NEW SW 1	EX1.000	EX SW 1	11.3	1.408	0.425	0.1407	128.9
720 minute summer	MH16	5.000	MH17	1.9	0.865	0.010	0.0487	
720 minute summer	MH14	6.000	MH15	0.5	0.791	0.012	0.0072	
720 minute summer	MH15	6.001	MH17	0.9	0.193	0.003	0.0495	
720 minute summer	MH17	5.001	MH19	2.8	0.119	0.006	1.2265	
720 minute summer	MH11	7.000	MH12	1.7	0.242	0.004	0.2447	
720 minute summer	MH12	7.001	MH13	3.5	0.398	0.011	0.3164	
720 minute summer	MH10	8.000	MH13	2.3	0.317	0.008	0.2428	
720 minute summer	MH13	7.002	MH19	6.7	0.269	0.008	0.2331	
720 minute summer	MH18	5.003	EX SW 3	9.5	2.309	0.053	0.0258	111.4
720 minute summer	MH19	5.002	MH18	9.5	1.640	0.021	0.0504	

Results for 1 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	360	93.681	0.031	1.7	0.1175	0.0000	OK
720 minute winter	MH8	375	93.589	0.036	3.1	0.1228	0.0000	OK
720 minute winter	MH7	375	93.502	0.021	1.0	0.0690	0.0000	OK
720 minute winter	MH6	375	93.453	0.045	5.0	0.1387	0.0000	OK
720 minute winter	MH5	375	93.395	0.018	0.7	0.0543	0.0000	OK
720 minute winter	MH4	375	93.378	0.049	5.9	0.1302	0.0000	OK
720 minute winter	MH3	330	93.312	0.014	0.4	0.0404	0.0000	OK
720 minute winter	MH2	375	93.295	0.050	7.2	0.1547	0.0000	OK
720 minute winter	MH1	375	93.178	0.065	8.1	0.2002	0.0000	OK
720 minute winter	MH1.1	375	93.100	0.065	8.4	0.1249	0.0000	OK
720 minute winter	NEW SW 1	375	91.699	0.060	8.4	0.1062	0.0000	OK
720 minute winter	EX SW 1	375	91.308	0.058	8.4	0.0000	0.0000	OK
720 minute winter	MH16	360	95.659	0.019	1.4	0.0582	0.0000	OK
720 minute winter	MH14	345	95.786	0.011	0.4	0.0199	0.0000	OK
720 minute winter	MH15	345	94.739	0.021	0.7	0.0674	0.0000	OK
720 minute winter	MH17	360	94.725	0.028	2.1	0.0844	0.0000	OK
720 minute winter	MH11	375	94.824	0.024	1.3	0.0850	0.0000	OK
720 minute winter	MH12	375	94.692	0.042	2.7	0.1418	0.0000	OK
720 minute winter	MH10	375	94.678	0.033	1.8	0.1274	0.0000	OK
720 minute winter	MH13	375	94.612	0.034	5.2	0.1015	0.0000	OK
720 minute winter	MH18	375	94.033	0.033	7.3	0.0971	0.0000	OK
720 minute winter	MH19	375	94.579	0.118	7.3	0.5348	0.0000	OK
720 minute winter	EX SW 3	375	93.298	0.031	7.3	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	1.7	0.279	0.005	0.2656	
720 minute winter	MH8	1.001	MH6	3.1	0.394	0.007	0.2869	
720 minute winter	MH7	2.000	MH6	1.0	0.166	0.002	0.1149	
720 minute winter	MH6	1.002	MH4	5.0	0.495	0.011	0.1942	
720 minute winter	MH5	3.000	MH4	0.7	0.123	0.002	0.0795	
720 minute winter	MH4	1.003	MH2	5.9	0.537	0.013	0.2240	
720 minute winter	MH3	4.000	MH2	0.4	0.075	0.001	0.0854	
720 minute winter	MH2	1.004	MH1	7.2	0.523	0.015	0.3650	
720 minute winter	MH1	1.005	MH1.1	8.1	0.632	0.063	0.2402	
720 minute winter	MH1.1	1.006	NEW SW 1	8.4	0.685	0.060	0.0935	
720 minute winter	NEW SW 1	EX1.000	EX SW 1	8.4	1.307	0.316	0.1127	146.0
720 minute winter	MH16	5.000	MH17	1.4	0.788	0.007	0.0394	
720 minute winter	MH14	6.000	MH15	0.4	0.738	0.010	0.0061	
720 minute winter	MH15	6.001	MH17	0.7	0.186	0.002	0.0408	
720 minute winter	MH17	5.001	MH19	2.1	0.111	0.004	1.0086	
720 minute winter	MH11	7.000	MH12	1.3	0.220	0.003	0.2047	
720 minute winter	MH12	7.001	MH13	2.7	0.367	0.009	0.2657	
720 minute winter	MH10	8.000	MH13	1.8	0.295	0.006	0.2043	
720 minute winter	MH13	7.002	MH19	5.2	0.321	0.006	0.1924	
720 minute winter	MH18	5.003	EX SW 3	7.3	2.147	0.041	0.0213	124.3
720 minute winter	MH19	5.002	MH18	7.3	1.537	0.016	0.0414	

Results for 1 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	93.683	0.033	1.9	0.1237	0.0000	OK
960 minute summer	MH8	495	93.591	0.038	3.5	0.1302	0.0000	OK
960 minute summer	MH7	495	93.503	0.022	1.1	0.0720	0.0000	OK
960 minute summer	MH6	495	93.455	0.047	5.6	0.1467	0.0000	OK
960 minute summer	MH5	480	93.395	0.018	0.7	0.0543	0.0000	OK
960 minute summer	MH4	495	93.380	0.051	6.5	0.1365	0.0000	OK
960 minute summer	MH3	495	93.314	0.016	0.5	0.0445	0.0000	OK
960 minute summer	MH2	495	93.298	0.053	8.0	0.1626	0.0000	OK
960 minute summer	MH1	495	93.182	0.069	9.0	0.2111	0.0000	OK
960 minute summer	MH1.1	495	93.104	0.069	9.3	0.1315	0.0000	OK
960 minute summer	NEW SW 1	495	91.703	0.064	9.3	0.1125	0.0000	OK
960 minute summer	EX SW 1	495	91.311	0.061	9.3	0.0000	0.0000	OK
960 minute summer	MH16	495	95.660	0.020	1.6	0.0621	0.0000	OK
960 minute summer	MH14	480	95.786	0.011	0.4	0.0199	0.0000	OK
960 minute summer	MH15	480	94.739	0.021	0.7	0.0674	0.0000	OK
960 minute summer	MH17	495	94.726	0.029	2.3	0.0879	0.0000	OK
960 minute summer	MH11	495	94.824	0.024	1.4	0.0879	0.0000	OK
960 minute summer	MH12	495	94.693	0.043	2.9	0.1462	0.0000	OK
960 minute summer	MH10	495	94.679	0.034	2.0	0.1339	0.0000	OK
960 minute summer	MH13	495	94.614	0.036	5.7	0.1060	0.0000	OK
960 minute summer	MH18	495	94.034	0.034	8.0	0.1018	0.0000	OK
960 minute summer	MH19	495	94.585	0.124	8.0	0.5607	0.0000	OK
960 minute summer	EX SW 3	495	93.299	0.032	8.0	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)
960 minute summer	MH9	1.000	MH8	1.9	0.288	0.006	0.2880	
960 minute summer	MH8	1.001	MH6	3.5	0.400	0.008	0.3121	
960 minute summer	MH7	2.000	MH6	1.1	0.170	0.003	0.1245	
960 minute summer	MH6	1.002	MH4	5.6	0.514	0.013	0.2095	
960 minute summer	MH5	3.000	MH4	0.7	0.115	0.002	0.0841	
960 minute summer	MH4	1.003	MH2	6.5	0.552	0.015	0.2401	
960 minute summer	MH3	4.000	MH2	0.5	0.079	0.001	0.0928	
960 minute summer	MH2	1.004	MH1	8.0	0.538	0.016	0.3940	
960 minute summer	MH1	1.005	MH1.1	9.0	0.651	0.070	0.2593	
960 minute summer	MH1.1	1.006	NEW SW 1	9.3	0.704	0.066	0.1007	
960 minute summer	NEW SW 1	EX1.000	EX SW 1	9.3	1.341	0.350	0.1215	140.4
960 minute summer	MH16	5.000	MH17	1.6	0.822	0.008	0.0432	
960 minute summer	MH14	6.000	MH15	0.4	0.738	0.010	0.0061	
960 minute summer	MH15	6.001	MH17	0.7	0.182	0.002	0.0425	
960 minute summer	MH17	5.001	MH19	2.3	0.111	0.005	1.0795	
960 minute summer	MH11	7.000	MH12	1.4	0.226	0.003	0.2149	
960 minute summer	MH12	7.001	MH13	2.9	0.375	0.009	0.2806	
960 minute summer	MH10	8.000	MH13	2.0	0.306	0.007	0.2188	
960 minute summer	MH13	7.002	MH19	5.7	0.259	0.007	0.2059	
960 minute summer	MH18	5.003	EX SW 3	8.0	2.203	0.045	0.0228	121.1
960 minute summer	MH19	5.002	MH18	8.0	1.570	0.017	0.0443	

Results for 1 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	93.678	0.028	1.4	0.1077	0.0000	OK
960 minute winter	MH8	495	93.586	0.033	2.6	0.1130	0.0000	OK
960 minute winter	MH7	465	93.500	0.019	0.8	0.0624	0.0000	OK
960 minute winter	MH6	495	93.449	0.041	4.1	0.1265	0.0000	OK
960 minute winter	MH5	435	93.393	0.016	0.5	0.0468	0.0000	OK
960 minute winter	MH4	495	93.373	0.044	4.8	0.1179	0.0000	OK
960 minute winter	MH3	480	93.312	0.014	0.4	0.0404	0.0000	OK
960 minute winter	MH2	495	93.291	0.046	5.9	0.1410	0.0000	OK
960 minute winter	MH1	495	93.172	0.059	6.7	0.1818	0.0000	OK
960 minute winter	MH1.1	495	93.094	0.059	6.9	0.1129	0.0000	OK
960 minute winter	NEW SW 1	495	91.693	0.054	6.9	0.0951	0.0000	OK
960 minute winter	EX SW 1	495	91.302	0.052	6.9	0.0000	0.0000	OK
960 minute winter	MH16	495	95.657	0.017	1.2	0.0540	0.0000	OK
960 minute winter	MH14	420	95.784	0.009	0.3	0.0174	0.0000	OK
960 minute winter	MH15	420	94.736	0.018	0.5	0.0579	0.0000	OK
960 minute winter	MH17	495	94.723	0.026	1.7	0.0769	0.0000	OK
960 minute winter	MH11	495	94.822	0.022	1.1	0.0787	0.0000	OK
960 minute winter	MH12	495	94.688	0.038	2.2	0.1290	0.0000	OK
960 minute winter	MH10	495	94.675	0.030	1.5	0.1172	0.0000	OK
960 minute winter	MH13	495	94.609	0.031	4.3	0.0929	0.0000	OK
960 minute winter	MH18	495	94.029	0.029	6.0	0.0880	0.0000	OK
960 minute winter	MH19	495	94.568	0.107	6.0	0.4835	0.0000	OK
960 minute winter	EX SW 3	495	93.295	0.028	6.0	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)
960 minute winter	MH9	1.000	MH8	1.4	0.265	0.004	0.2334	
960 minute winter	MH8	1.001	MH6	2.6	0.369	0.006	0.2510	
960 minute winter	MH7	2.000	MH6	0.8	0.157	0.002	0.0994	
960 minute winter	MH6	1.002	MH4	4.1	0.469	0.009	0.1680	
960 minute winter	MH5	3.000	MH4	0.5	0.105	0.001	0.0676	
960 minute winter	MH4	1.003	MH2	4.8	0.504	0.011	0.1944	
960 minute winter	MH3	4.000	MH2	0.4	0.077	0.001	0.0760	
960 minute winter	MH2	1.004	MH1	5.9	0.495	0.012	0.3180	
960 minute winter	MH1	1.005	MH1.1	6.7	0.603	0.052	0.2083	
960 minute winter	MH1.1	1.006	NEW SW 1	6.9	0.649	0.049	0.0811	
960 minute winter	NEW SW 1	EX1.000	EX SW 1	6.9	1.241	0.260	0.0974	156.4
960 minute winter	MH16	5.000	MH17	1.2	0.752	0.006	0.0354	
960 minute winter	MH14	6.000	MH15	0.3	0.676	0.007	0.0050	
960 minute winter	MH15	6.001	MH17	0.5	0.168	0.002	0.0340	
960 minute winter	MH17	5.001	MH19	1.7	0.101	0.003	0.8716	
960 minute winter	MH11	7.000	MH12	1.1	0.213	0.002	0.1788	
960 minute winter	MH12	7.001	MH13	2.2	0.341	0.007	0.2312	
960 minute winter	MH10	8.000	MH13	1.5	0.280	0.005	0.1793	
960 minute winter	MH13	7.002	MH19	4.3	0.241	0.005	0.1667	
960 minute winter	MH18	5.003	EX SW 3	6.0	2.032	0.034	0.0185	136.3
960 minute winter	MH19	5.002	MH18	6.0	1.452	0.013	0.0359	

Results for 1 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	93.678	0.028	1.4	0.1077	0.0000	OK
1440 minute summer	MH8	750	93.586	0.033	2.6	0.1130	0.0000	OK
1440 minute summer	MH7	750	93.500	0.019	0.8	0.0624	0.0000	OK
1440 minute summer	MH6	750	93.449	0.041	4.1	0.1262	0.0000	OK
1440 minute summer	MH5	750	93.394	0.017	0.6	0.0507	0.0000	OK
1440 minute summer	MH4	750	93.374	0.045	4.9	0.1191	0.0000	OK
1440 minute summer	MH3	750	93.312	0.014	0.4	0.0404	0.0000	OK
1440 minute summer	MH2	750	93.291	0.046	6.0	0.1421	0.0000	OK
1440 minute summer	MH1	750	93.173	0.060	6.8	0.1832	0.0000	OK
1440 minute summer	MH1.1	750	93.095	0.060	7.0	0.1137	0.0000	OK
1440 minute summer	NEW SW 1	750	91.693	0.054	7.0	0.0959	0.0000	OK
1440 minute summer	EX SW 1	750	91.303	0.053	7.0	0.0000	0.0000	OK
1440 minute summer	MH16	750	95.657	0.017	1.2	0.0540	0.0000	OK
1440 minute summer	MH14	720	95.784	0.009	0.3	0.0174	0.0000	OK
1440 minute summer	MH15	720	94.736	0.018	0.5	0.0579	0.0000	OK
1440 minute summer	MH17	750	94.723	0.026	1.7	0.0769	0.0000	OK
1440 minute summer	MH11	750	94.822	0.022	1.1	0.0787	0.0000	OK
1440 minute summer	MH12	750	94.688	0.038	2.2	0.1290	0.0000	OK
1440 minute summer	MH10	750	94.675	0.030	1.5	0.1172	0.0000	OK
1440 minute summer	MH13	750	94.609	0.031	4.3	0.0929	0.0000	OK
1440 minute summer	MH18	750	94.029	0.029	6.0	0.0880	0.0000	OK
1440 minute summer	MH19	750	94.568	0.107	6.0	0.4835	0.0000	OK
1440 minute summer	EX SW 3	750	93.295	0.028	6.0	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)
1440 minute summer	MH9	1.000	MH8	1.4	0.262	0.004	0.2334	
1440 minute summer	MH8	1.001	MH6	2.6	0.370	0.006	0.2504	
1440 minute summer	MH7	2.000	MH6	0.8	0.154	0.002	0.0991	
1440 minute summer	MH6	1.002	MH4	4.1	0.466	0.009	0.1690	
1440 minute summer	MH5	3.000	MH4	0.6	0.111	0.001	0.0700	
1440 minute summer	MH4	1.003	MH2	4.9	0.508	0.011	0.1970	
1440 minute summer	MH3	4.000	MH2	0.4	0.076	0.001	0.0767	
1440 minute summer	MH2	1.004	MH1	6.0	0.498	0.012	0.3216	
1440 minute summer	MH1	1.005	MH1.1	6.8	0.605	0.053	0.2106	
1440 minute summer	MH1.1	1.006	NEW SW 1	7.0	0.652	0.050	0.0820	
1440 minute summer	NEW SW 1	EX1.000	EX SW 1	7.0	1.246	0.264	0.0985	160.5
1440 minute summer	MH16	5.000	MH17	1.2	0.752	0.006	0.0354	
1440 minute summer	MH14	6.000	MH15	0.3	0.676	0.007	0.0050	
1440 minute summer	MH15	6.001	MH17	0.5	0.164	0.002	0.0340	
1440 minute summer	MH17	5.001	MH19	1.7	0.102	0.003	0.8717	
1440 minute summer	MH11	7.000	MH12	1.1	0.213	0.002	0.1788	
1440 minute summer	MH12	7.001	MH13	2.2	0.341	0.007	0.2312	
1440 minute summer	MH10	8.000	MH13	1.5	0.280	0.005	0.1793	
1440 minute summer	MH13	7.002	MH19	4.3	0.241	0.005	0.1667	
1440 minute summer	MH18	5.003	EX SW 3	6.0	2.032	0.034	0.0185	135.0
1440 minute summer	MH19	5.002	MH18	6.0	1.453	0.013	0.0359	

Results for 1 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	93.676	0.026	1.1	0.0968	0.0000	OK
1440 minute winter	MH8	750	93.582	0.029	2.0	0.1002	0.0000	OK
1440 minute winter	MH7	720	93.498	0.017	0.6	0.0549	0.0000	OK
1440 minute winter	MH6	750	93.444	0.036	3.1	0.1105	0.0000	OK
1440 minute winter	MH5	690	93.391	0.014	0.4	0.0425	0.0000	OK
1440 minute winter	MH4	750	93.368	0.039	3.6	0.1031	0.0000	OK
1440 minute winter	MH3	720	93.311	0.013	0.3	0.0357	0.0000	OK
1440 minute winter	MH2	750	93.286	0.041	4.5	0.1249	0.0000	OK
1440 minute winter	MH1	750	93.165	0.052	5.1	0.1587	0.0000	OK
1440 minute winter	MH1.1	750	93.087	0.052	5.3	0.0988	0.0000	OK
1440 minute winter	NEW SW 1	750	91.686	0.047	5.3	0.0825	0.0000	OK
1440 minute winter	EX SW 1	750	91.295	0.045	5.3	0.0000	0.0000	OK
1440 minute winter	MH16	720	95.655	0.015	0.9	0.0472	0.0000	OK
1440 minute winter	MH14	600	95.783	0.008	0.2	0.0144	0.0000	OK
1440 minute winter	MH15	690	94.735	0.017	0.4	0.0525	0.0000	OK
1440 minute winter	MH17	720	94.720	0.023	1.3	0.0680	0.0000	OK
1440 minute winter	MH11	720	94.819	0.019	0.8	0.0682	0.0000	OK
1440 minute winter	MH12	750	94.684	0.034	1.7	0.1151	0.0000	OK
1440 minute winter	MH10	720	94.671	0.026	1.1	0.1022	0.0000	OK
1440 minute winter	MH13	750	94.605	0.027	3.2	0.0814	0.0000	OK
1440 minute winter	MH18	750	94.026	0.026	4.5	0.0763	0.0000	OK
1440 minute winter	MH19	750	94.553	0.092	4.5	0.4179	0.0000	OK
1440 minute winter	EX SW 3	750	93.292	0.025	4.5	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	1.1	0.247	0.003	0.1950	
1440 minute winter	MH8	1.001	MH6	2.0	0.342	0.005	0.2071	
1440 minute winter	MH7	2.000	MH6	0.6	0.145	0.001	0.0816	
1440 minute winter	MH6	1.002	MH4	3.1	0.434	0.007	0.1372	
1440 minute winter	MH5	3.000	MH4	0.4	0.099	0.001	0.0554	
1440 minute winter	MH4	1.003	MH2	3.6	0.461	0.008	0.1596	
1440 minute winter	MH3	4.000	MH2	0.3	0.072	0.001	0.0629	
1440 minute winter	MH2	1.004	MH1	4.5	0.456	0.009	0.2609	
1440 minute winter	MH1	1.005	MH1.1	5.1	0.558	0.040	0.1713	
1440 minute winter	MH1.1	1.006	NEW SW 1	5.3	0.602	0.038	0.0672	
1440 minute winter	NEW SW 1	EX1.000	EX SW 1	5.3	1.156	0.200	0.0803	179.3
1440 minute winter	MH16	5.000	MH17	0.9	0.691	0.005	0.0289	
1440 minute winter	MH14	6.000	MH15	0.2	0.599	0.005	0.0038	
1440 minute winter	MH15	6.001	MH17	0.4	0.153	0.001	0.0285	
1440 minute winter	MH17	5.001	MH19	1.3	0.096	0.003	0.7071	
1440 minute winter	MH11	7.000	MH12	0.8	0.195	0.002	0.1492	
1440 minute winter	MH12	7.001	MH13	1.7	0.317	0.006	0.1924	
1440 minute winter	MH10	8.000	MH13	1.1	0.258	0.004	0.1444	
1440 minute winter	MH13	7.002	MH19	3.2	0.220	0.004	0.1349	
1440 minute winter	MH18	5.003	EX SW 3	4.5	1.872	0.025	0.0151	154.0
1440 minute winter	MH19	5.002	MH18	4.5	1.343	0.010	0.0291	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH9	10	93.790	0.140	39.0	0.5311	0.0000	OK
15 minute summer	MH8	14	93.769	0.216	70.1	0.7428	0.0000	OK
15 minute summer	MH7	14	93.765	0.284	21.8	0.9150	0.0000	OK
15 minute summer	MH6	14	93.759	0.351	108.4	1.0866	0.0000	OK
15 minute summer	MH5	13	93.768	0.391	27.7	1.1610	0.0000	OK
15 minute summer	MH4	13	93.756	0.427	114.5	1.1367	0.0000	OK
15 minute summer	MH3	15	93.764	0.466	17.9	1.3163	0.0000	OK
15 minute summer	MH2	13	93.753	0.508	127.4	1.5621	0.0000	OK
15 minute summer	MH1	15	93.763	0.650	109.3	1.9949	0.0000	SURCHARGED
15 minute summer	MH1.1	13	93.736	0.701	97.5	1.3386	0.0000	SURCHARGED
15 minute summer	NEW SW 1	13	93.721	2.082	89.0	3.6794	0.0000	SURCHARGED
15 minute summer	EX SW 1	8	91.392	0.142	59.8	0.0000	0.0000	OK
15 minute summer	MH16	10	95.726	0.086	31.9	0.2695	0.0000	OK
15 minute summer	MH14	10	95.824	0.049	8.9	0.0925	0.0000	OK
15 minute summer	MH15	14	94.969	0.251	15.1	0.7939	0.0000	OK
15 minute summer	MH17	13	94.966	0.269	42.0	0.8039	0.0000	OK
15 minute summer	MH11	13	94.977	0.177	28.9	0.6394	0.0000	OK
15 minute summer	MH12	13	94.973	0.323	59.1	1.0947	0.0000	OK
15 minute summer	MH10	14	94.965	0.320	39.3	1.2503	0.0000	OK
15 minute summer	MH13	13	94.981	0.403	85.2	1.1997	0.0000	OK
15 minute summer	MH18	14	94.125	0.125	77.3	0.3739	0.0000	OK
15 minute summer	MH19	14	94.984	0.523	149.6	2.3666	0.0000	SURCHARGED
15 minute summer	EX SW 3	14	93.369	0.102	76.6	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)
15 minute summer	MH9	1.000	MH8	38.2	0.688	0.118	2.6159	
15 minute summer	MH8	1.001	MH6	70.1	0.877	0.160	4.6549	
15 minute summer	MH7	2.000	MH6	21.6	0.353	0.050	2.7797	
15 minute summer	MH6	1.002	MH4	101.6	1.026	0.231	3.6869	
15 minute summer	MH5	3.000	MH4	17.0	0.374	0.039	2.4708	
15 minute summer	MH4	1.003	MH2	106.6	1.017	0.242	4.7814	
15 minute summer	MH3	4.000	MH2	10.6	0.215	0.024	3.2519	
15 minute summer	MH2	1.004	MH1	89.4	0.896	0.184	7.0800	
15 minute summer	MH1	1.005	MH1.1	91.8	1.131	0.714	2.0678	
15 minute summer	MH1.1	1.006	NEW SW 1	89.0	1.238	0.631	0.8406	
15 minute summer	NEW SW 1	EX1.000	EX SW 1	59.8	3.397	2.252	0.3054	81.4
15 minute summer	MH16	5.000	MH17	31.6	1.953	0.166	0.3583	
15 minute summer	MH14	6.000	MH15	8.8	1.810	0.213	0.0553	
15 minute summer	MH15	6.001	MH17	12.8	0.388	0.042	1.1915	
15 minute summer	MH17	5.001	MH19	43.8	0.484	0.089	8.6310	
15 minute summer	MH11	7.000	MH12	28.4	0.568	0.062	3.8076	
15 minute summer	MH12	7.001	MH13	45.5	0.645	0.149	6.3858	
15 minute summer	MH10	8.000	MH13	33.4	0.568	0.109	5.8771	
15 minute summer	MH13	7.002	MH19	105.8	0.843	0.131	1.8609	
15 minute summer	MH18	5.003	EX SW 3	76.6	3.822	0.428	0.1261	69.8
15 minute summer	MH19	5.002	MH18	77.3	2.538	0.167	0.2648	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH9	14	93.819	0.169	41.0	0.6388	0.0000	OK
15 minute winter	MH8	15	93.815	0.262	73.4	0.9025	0.0000	OK
15 minute winter	MH7	14	93.825	0.344	22.9	1.1074	0.0000	OK
15 minute winter	MH6	15	93.812	0.404	111.4	1.2505	0.0000	OK
15 minute winter	MH5	14	93.809	0.432	15.7	1.2841	0.0000	OK
15 minute winter	MH4	15	93.809	0.480	119.6	1.2780	0.0000	OK
15 minute winter	MH3	13	93.813	0.515	41.8	1.4546	0.0000	OK
15 minute winter	MH2	16	93.814	0.569	118.1	1.7494	0.0000	OK
15 minute winter	MH1	13	93.811	0.698	122.2	2.1429	0.0000	SURCHARGED
15 minute winter	MH1.1	16	93.788	0.753	88.9	1.4378	0.0000	SURCHARGED
15 minute winter	NEW SW 1	16	93.775	2.136	80.1	3.7735	0.0000	SURCHARGED
15 minute winter	EX SW 1	7	91.392	0.142	60.5	0.0000	0.0000	OK
15 minute winter	MH16	10	95.728	0.088	33.5	0.2765	0.0000	OK
15 minute winter	MH14	10	95.826	0.051	9.4	0.0951	0.0000	OK
15 minute winter	MH15	14	95.016	0.298	15.9	0.9405	0.0000	OK
15 minute winter	MH17	14	94.998	0.301	49.0	0.8983	0.0000	OK
15 minute winter	MH11	13	95.011	0.211	30.4	0.7613	0.0000	OK
15 minute winter	MH12	13	94.998	0.348	62.0	1.1773	0.0000	OK
15 minute winter	MH10	14	95.006	0.361	41.3	1.4081	0.0000	OK
15 minute winter	MH13	13	94.998	0.420	95.9	1.2491	0.0000	OK
15 minute winter	MH18	13	94.127	0.127	78.1	0.3782	0.0000	OK
15 minute winter	MH19	14	95.028	0.567	146.4	2.5670	0.0000	SURCHARGED
15 minute winter	EX SW 3	13	93.370	0.103	78.1	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)
15 minute winter	MH9	1.000	MH8	39.9	0.697	0.124	3.9668	
15 minute winter	MH8	1.001	MH6	75.2	0.877	0.171	5.6783	
15 minute winter	MH7	2.000	MH6	20.6	0.364	0.048	3.3779	
15 minute winter	MH6	1.002	MH4	103.4	1.012	0.235	4.2611	
15 minute winter	MH5	3.000	MH4	24.1	0.392	0.056	2.7728	
15 minute winter	MH4	1.003	MH2	96.8	1.039	0.220	5.2696	
15 minute winter	MH3	4.000	MH2	-31.5	0.261	-0.073	3.5487	
15 minute winter	MH2	1.004	MH1	101.6	0.885	0.209	7.3687	
15 minute winter	MH1	1.005	MH1.1	83.0	1.087	0.646	2.0678	
15 minute winter	MH1.1	1.006	NEW SW 1	80.1	1.192	0.568	0.8406	
15 minute winter	NEW SW 1	EX1.000	EX SW 1	60.5	3.438	2.278	0.3054	91.4
15 minute winter	MH16	5.000	MH17	33.1	1.977	0.174	0.3709	
15 minute winter	MH14	6.000	MH15	9.3	1.834	0.225	0.0575	
15 minute winter	MH15	6.001	MH17	20.4	0.378	0.067	1.4774	
15 minute winter	MH17	5.001	MH19	35.6	0.504	0.072	9.5946	
15 minute winter	MH11	7.000	MH12	29.7	0.556	0.065	4.3751	
15 minute winter	MH12	7.001	MH13	42.7	0.637	0.140	6.8110	
15 minute winter	MH10	8.000	MH13	36.3	0.562	0.119	6.3895	
15 minute winter	MH13	7.002	MH19	122.9	0.874	0.152	2.0346	
15 minute winter	MH18	5.003	EX SW 3	78.1	3.829	0.436	0.1279	78.5
15 minute winter	MH19	5.002	MH18	78.1	2.540	0.169	0.2675	

Results for 30 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	18	93.785	0.135	35.6	0.5095	0.0000	OK
30 minute summer	MH8	24	93.776	0.223	64.7	0.7693	0.0000	OK
30 minute summer	MH7	23	93.774	0.293	19.9	0.9418	0.0000	OK
30 minute summer	MH6	23	93.778	0.370	100.4	1.1442	0.0000	OK
30 minute summer	MH5	22	93.782	0.405	20.2	1.2028	0.0000	OK
30 minute summer	MH4	22	93.773	0.444	101.2	1.1834	0.0000	OK
30 minute summer	MH3	22	93.772	0.474	22.3	1.3386	0.0000	OK
30 minute summer	MH2	23	93.768	0.523	112.8	1.6098	0.0000	OK
30 minute summer	MH1	22	93.772	0.659	101.6	2.0220	0.0000	SURCHARGED
30 minute summer	MH1.1	23	93.747	0.712	90.7	1.3592	0.0000	SURCHARGED
30 minute summer	NEW SW 1	23	93.736	2.097	67.2	3.7047	0.0000	SURCHARGED
30 minute summer	EX SW 1	13	91.392	0.142	60.1	0.0000	0.0000	OK
30 minute summer	MH16	18	95.722	0.082	29.1	0.2576	0.0000	OK
30 minute summer	MH14	18	95.822	0.047	8.2	0.0887	0.0000	OK
30 minute summer	MH15	22	94.982	0.264	13.9	0.8341	0.0000	OK
30 minute summer	MH17	21	94.975	0.278	40.4	0.8313	0.0000	OK
30 minute summer	MH11	20	94.972	0.172	26.4	0.6190	0.0000	OK
30 minute summer	MH12	20	94.971	0.321	53.5	1.0884	0.0000	OK
30 minute summer	MH10	21	94.974	0.329	35.9	1.2860	0.0000	OK
30 minute summer	MH13	21	94.995	0.417	86.1	1.2409	0.0000	OK
30 minute summer	MH18	22	94.126	0.126	77.5	0.3761	0.0000	OK
30 minute summer	MH19	20	94.992	0.531	142.8	2.4038	0.0000	SURCHARGED
30 minute summer	EX SW 3	22	93.370	0.103	77.4	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)
30 minute summer	MH9	1.000	MH8	35.6	0.680	0.110	2.9307	
30 minute summer	MH8	1.001	MH6	64.3	0.857	0.147	4.8750	
30 minute summer	MH7	2.000	MH6	18.7	0.338	0.043	2.9257	
30 minute summer	MH6	1.002	MH4	93.7	0.997	0.213	3.8905	
30 minute summer	MH5	3.000	MH4	13.3	0.323	0.031	2.5757	
30 minute summer	MH4	1.003	MH2	94.3	1.001	0.214	4.9308	
30 minute summer	MH3	4.000	MH2	-13.3	0.200	-0.031	3.3217	
30 minute summer	MH2	1.004	MH1	84.3	0.882	0.173	7.1649	
30 minute summer	MH1	1.005	MH1.1	85.7	1.056	0.667	2.0678	
30 minute summer	MH1.1	1.006	NEW SW 1	67.2	1.172	0.476	0.8406	
30 minute summer	NEW SW 1	EX1.000	EX SW 1	60.1	3.411	2.261	0.3054	108.5
30 minute summer	MH16	5.000	MH17	29.1	1.913	0.153	0.3373	
30 minute summer	MH14	6.000	MH15	8.2	1.776	0.198	0.0524	
30 minute summer	MH15	6.001	MH17	14.9	0.351	0.049	1.2843	
30 minute summer	MH17	5.001	MH19	33.9	0.449	0.069	8.8681	
30 minute summer	MH11	7.000	MH12	25.5	0.512	0.056	3.7365	
30 minute summer	MH12	7.001	MH13	35.3	0.518	0.115	6.5035	
30 minute summer	MH10	8.000	MH13	32.6	0.430	0.106	6.1540	
30 minute summer	MH13	7.002	MH19	117.8	0.781	0.145	1.9154	
30 minute summer	MH18	5.003	EX SW 3	77.4	3.821	0.432	0.1270	93.2
30 minute summer	MH19	5.002	MH18	77.5	2.563	0.168	0.2657	

Results for 30 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	93.830	0.180	32.2	0.6807	0.0000	OK
30 minute winter	MH8	23	93.829	0.276	58.4	0.9501	0.0000	OK
30 minute winter	MH7	24	93.821	0.340	18.0	1.0951	0.0000	OK
30 minute winter	MH6	24	93.821	0.413	88.8	1.2782	0.0000	OK
30 minute winter	MH5	24	93.823	0.446	17.6	1.3250	0.0000	OK
30 minute winter	MH4	24	93.820	0.491	87.7	1.3069	0.0000	OK
30 minute winter	MH3	24	93.819	0.521	26.3	1.4719	0.0000	OK
30 minute winter	MH2	24	93.821	0.576	98.0	1.7728	0.0000	OK
30 minute winter	MH1	24	93.816	0.703	96.7	2.1590	0.0000	SURCHARGED
30 minute winter	MH1.1	22	93.801	0.766	74.3	1.4631	0.0000	SURCHARGED
30 minute winter	NEW SW 1	22	93.789	2.150	70.2	3.7992	0.0000	SURCHARGED
30 minute winter	EX SW 1	11	91.392	0.142	60.7	0.0000	0.0000	OK
30 minute winter	MH16	18	95.718	0.078	26.3	0.2441	0.0000	OK
30 minute winter	MH14	18	95.820	0.045	7.4	0.0839	0.0000	OK
30 minute winter	MH15	21	94.991	0.273	12.6	0.8635	0.0000	OK
30 minute winter	MH17	22	94.992	0.295	44.2	0.8802	0.0000	OK
30 minute winter	MH11	22	94.991	0.191	23.9	0.6872	0.0000	OK
30 minute winter	MH12	23	94.990	0.340	48.8	1.1505	0.0000	OK
30 minute winter	MH10	22	94.988	0.343	32.5	1.3380	0.0000	OK
30 minute winter	MH13	22	95.007	0.429	120.7	1.2749	0.0000	OK
30 minute winter	MH18	23	94.126	0.126	77.8	0.3772	0.0000	OK
30 minute winter	MH19	21	95.000	0.539	171.6	2.4388	0.0000	SURCHARGED
30 minute winter	EX SW 3	23	93.370	0.103	77.7	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)
30 minute winter	MH9	1.000	MH8	32.1	0.669	0.100	4.0791	
30 minute winter	MH8	1.001	MH6	58.8	0.834	0.134	5.8396	
30 minute winter	MH7	2.000	MH6	25.6	0.317	0.059	3.4129	
30 minute winter	MH6	1.002	MH4	82.4	0.966	0.187	4.3583	
30 minute winter	MH5	3.000	MH4	9.9	0.325	0.023	2.8495	
30 minute winter	MH4	1.003	MH2	82.3	0.997	0.187	5.3526	
30 minute winter	MH3	4.000	MH2	-18.6	0.251	-0.043	3.5851	
30 minute winter	MH2	1.004	MH1	82.1	0.863	0.169	7.3928	
30 minute winter	MH1	1.005	MH1.1	70.7	1.071	0.550	2.0678	
30 minute winter	MH1.1	1.006	NEW SW 1	70.2	1.195	0.498	0.8406	
30 minute winter	NEW SW 1	EX1.000	EX SW 1	60.7	3.448	2.285	0.3054	122.0
30 minute winter	MH16	5.000	MH17	26.3	1.861	0.139	0.3133	
30 minute winter	MH14	6.000	MH15	7.4	1.728	0.179	0.0485	
30 minute winter	MH15	6.001	MH17	19.2	0.336	0.063	1.3473	
30 minute winter	MH17	5.001	MH19	35.4	0.450	0.072	9.1519	
30 minute winter	MH11	7.000	MH12	23.4	0.474	0.051	4.0705	
30 minute winter	MH12	7.001	MH13	42.4	0.552	0.139	6.7818	
30 minute winter	MH10	8.000	MH13	34.6	0.454	0.113	6.3908	
30 minute winter	MH13	7.002	MH19	136.2	0.787	0.168	1.9744	
30 minute winter	MH18	5.003	EX SW 3	77.7	3.826	0.434	0.1274	105.3
30 minute winter	MH19	5.002	MH18	77.8	2.538	0.168	0.2666	

Results for 30 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	33	93.766	0.116	27.1	0.4407	0.0000	OK
60 minute summer	MH8	38	93.733	0.180	49.2	0.6198	0.0000	OK
60 minute summer	MH7	39	93.722	0.241	15.1	0.7741	0.0000	OK
60 minute summer	MH6	39	93.732	0.324	76.9	1.0008	0.0000	OK
60 minute summer	MH5	40	93.725	0.348	10.3	1.0345	0.0000	OK
60 minute summer	MH4	39	93.726	0.397	82.3	1.0563	0.0000	OK
60 minute summer	MH3	39	93.728	0.430	16.7	1.2132	0.0000	OK
60 minute summer	MH2	39	93.726	0.481	96.0	1.4800	0.0000	OK
60 minute summer	MH1	39	93.726	0.613	83.8	1.8817	0.0000	SURCHARGED
60 minute summer	MH1.1	39	93.700	0.665	75.4	1.2701	0.0000	SURCHARGED
60 minute summer	NEW SW 1	39	93.685	2.046	65.6	3.6159	0.0000	SURCHARGED
60 minute summer	EX SW 1	25	91.392	0.142	59.4	0.0000	0.0000	OK
60 minute summer	MH16	33	95.711	0.071	22.1	0.2229	0.0000	OK
60 minute summer	MH14	33	95.816	0.041	6.2	0.0764	0.0000	OK
60 minute summer	MH15	38	94.927	0.209	10.5	0.6615	0.0000	OK
60 minute summer	MH17	37	94.931	0.234	33.9	0.6973	0.0000	OK
60 minute summer	MH11	37	94.926	0.126	20.1	0.4543	0.0000	OK
60 minute summer	MH12	36	94.928	0.278	41.4	0.9431	0.0000	OK
60 minute summer	MH10	36	94.930	0.285	27.3	1.1122	0.0000	OK
60 minute summer	MH13	37	94.946	0.368	105.7	1.0932	0.0000	OK
60 minute summer	MH18	34	94.124	0.124	76.5	0.3711	0.0000	OK
60 minute summer	MH19	36	94.953	0.492	168.8	2.2243	0.0000	SURCHARGED
60 minute summer	EX SW 3	34	93.368	0.101	75.6	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 summer	MH9	1.000	MH8	27.1	0.642	0.084	2.1099	
60 minute summer	MH8	1.001	MH6	49.1	0.809	0.112	3.9504	
60 minute summer	MH7	2.000	MH6	20.0	0.311	0.046	2.3904	
60 minute summer	MH6	1.002	MH4	73.4	0.937	0.167	3.3869	
60 minute summer	MH5	3.000	MH4	14.2	0.280	0.033	2.2161	
60 minute summer	MH4	1.003	MH2	71.7	0.991	0.163	4.4867	
60 minute summer	MH3	4.000	MH2	10.2	0.193	0.023	3.0534	
60 minute summer	MH2	1.004	MH1	71.5	0.858	0.147	6.9198	
60 minute summer	MH1	1.005	MH1.1	71.9	1.054	0.559	2.0678	
60 minute summer	MH1.1	1.006	NEW SW 1	65.6	1.178	0.465	0.8406	
60 minute summer	NEW SW 1	EX1.000	EX SW 1	59.4	3.373	2.235	0.3054	138.8
60 minute summer	MH16	5.000	MH17	22.1	1.775	0.116	0.2761	
60 minute summer	MH14	6.000	MH15	6.2	1.647	0.150	0.0427	
60 minute summer	MH15	6.001	MH17	12.7	0.333	0.041	0.9730	
60 minute summer	MH17	5.001	MH19	33.3	0.401	0.068	7.8220	
60 minute summer	MH11	7.000	MH12	20.1	0.443	0.044	2.8972	
60 minute summer	MH12	7.001	MH13	35.7	0.488	0.117	5.5073	
60 minute summer	MH10	8.000	MH13	27.0	0.409	0.088	5.1428	
60 minute summer	MH13	7.002	MH19	135.5	0.758	0.167	1.7048	
60 minute summer	MH18	5.003	EX SW 3	75.6	3.813	0.423	0.1249	120.5
60 minute summer	MH19	5.002	MH18	76.5	2.545	0.165	0.2618	

Results for 30 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	33	93.754	0.104	21.9	0.3940	0.0000	OK
60 minute winter	MH8	42	93.726	0.173	39.8	0.5963	0.0000	OK
60 minute winter	MH7	41	93.725	0.244	12.2	0.7865	0.0000	OK
60 minute winter	MH6	41	93.726	0.318	61.8	0.9821	0.0000	OK
60 minute winter	MH5	41	93.722	0.345	11.5	1.0268	0.0000	OK
60 minute winter	MH4	41	93.721	0.392	66.6	1.0444	0.0000	OK
60 minute winter	MH3	40	93.723	0.425	12.1	1.1987	0.0000	OK
60 minute winter	MH2	40	93.723	0.478	73.4	1.4704	0.0000	OK
60 minute winter	MH1	40	93.721	0.608	77.0	1.8679	0.0000	SURCHARGED
60 minute winter	MH1.1	40	93.701	0.666	67.2	1.2715	0.0000	SURCHARGED
60 minute winter	NEW SW 1	40	93.687	2.048	60.4	3.6194	0.0000	SURCHARGED
60 minute winter	EX SW 1	63	91.392	0.142	59.4	0.0000	0.0000	OK
60 minute winter	MH16	33	95.704	0.064	17.9	0.1997	0.0000	OK
60 minute winter	MH14	33	95.811	0.036	5.0	0.0683	0.0000	OK
60 minute winter	MH15	38	94.910	0.192	8.5	0.6079	0.0000	OK
60 minute winter	MH17	37	94.907	0.210	28.7	0.6263	0.0000	OK
60 minute winter	MH11	39	94.906	0.106	16.2	0.3822	0.0000	OK
60 minute winter	MH12	38	94.908	0.258	33.3	0.8731	0.0000	OK
60 minute winter	MH10	38	94.908	0.263	22.1	1.0276	0.0000	OK
60 minute winter	MH13	39	94.921	0.343	101.1	1.0189	0.0000	OK
60 minute winter	MH18	38	94.124	0.124	75.8	0.3688	0.0000	OK
60 minute winter	MH19	38	94.925	0.464	137.9	2.0995	0.0000	SURCHARGED
60 minute winter	EX SW 3	36	93.368	0.101	75.0	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 winter	MH9	1.000	MH8	21.9	0.607	0.068	1.9596	
60 minute winter	MH8	1.001	MH6	39.6	0.768	0.090	3.8660	
60 minute winter	MH7	2.000	MH6	11.8	0.296	0.027	2.3782	
60 minute winter	MH6	1.002	MH4	59.6	0.905	0.135	3.3277	
60 minute winter	MH5	3.000	MH4	9.5	0.284	0.022	2.1951	
60 minute winter	MH4	1.003	MH2	62.2	0.979	0.141	4.4437	
60 minute winter	MH3	4.000	MH2	8.8	0.216	0.020	3.0249	
60 minute winter	MH2	1.004	MH1	66.5	0.849	0.137	6.9001	
60 minute winter	MH1	1.005	MH1.1	64.4	1.027	0.501	2.0678	
60 minute winter	MH1.1	1.006	NEW SW 1	60.4	1.148	0.428	0.8406	
60 minute winter	NEW SW 1	EX1.000	EX SW 1	59.4	3.375	2.237	0.3054	155.4
60 minute winter	MH16	5.000	MH17	17.9	1.674	0.094	0.2370	
60 minute winter	MH14	6.000	MH15	5.0	1.553	0.121	0.0365	
60 minute winter	MH15	6.001	MH17	11.7	0.316	0.038	0.8597	
60 minute winter	MH17	5.001	MH19	28.1	0.396	0.057	7.3456	
60 minute winter	MH11	7.000	MH12	16.1	0.419	0.035	2.5296	
60 minute winter	MH12	7.001	MH13	34.3	0.489	0.112	5.0193	
60 minute winter	MH10	8.000	MH13	25.8	0.408	0.084	4.7046	
60 minute winter	MH13	7.002	MH19	111.9	0.725	0.138	1.6134	
60 minute winter	MH18	5.003	EX SW 3	75.0	3.811	0.419	0.1239	136.3
60 minute winter	MH19	5.002	MH18	75.8	2.538	0.164	0.2596	

Results for 30 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	64	93.744	0.094	17.9	0.3553	0.0000	OK
120 minute summer	MH8	64	93.661	0.108	32.5	0.3722	0.0000	OK
120 minute summer	MH7	72	93.580	0.099	10.0	0.3199	0.0000	OK
120 minute summer	MH6	72	93.579	0.171	51.3	0.5288	0.0000	OK
120 minute summer	MH5	70	93.578	0.201	6.8	0.5975	0.0000	OK
120 minute summer	MH4	70	93.577	0.248	59.1	0.6615	0.0000	OK
120 minute summer	MH3	72	93.575	0.277	7.5	0.7808	0.0000	OK
120 minute summer	MH2	70	93.575	0.330	66.8	1.0166	0.0000	OK
120 minute summer	MH1	70	93.577	0.464	67.7	1.4255	0.0000	SURCHARGED
120 minute summer	MH1.1	70	93.556	0.521	65.1	0.9950	0.0000	SURCHARGED
120 minute summer	NEW SW 1	70	93.543	1.904	58.4	3.3639	0.0000	SURCHARGED
120 minute summer	EX SW 1	52	91.392	0.142	57.5	0.0000	0.0000	OK
120 minute summer	MH16	64	95.698	0.058	14.6	0.1800	0.0000	OK
120 minute summer	MH14	64	95.808	0.033	4.1	0.0616	0.0000	OK
120 minute summer	MH15	68	94.851	0.133	7.0	0.4206	0.0000	OK
120 minute summer	MH17	68	94.849	0.152	22.2	0.4545	0.0000	OK
120 minute summer	MH11	64	94.869	0.069	13.2	0.2483	0.0000	OK
120 minute summer	MH12	68	94.851	0.201	27.3	0.6801	0.0000	OK
120 minute summer	MH10	68	94.850	0.205	18.0	0.7983	0.0000	OK
120 minute summer	MH13	66	94.852	0.274	92.1	0.8150	0.0000	OK
120 minute summer	MH18	66	94.111	0.111	60.9	0.3311	0.0000	OK
120 minute summer	MH19	68	94.859	0.398	138.5	1.8022	0.0000	SURCHARGED
120 minute summer	EX SW 3	66	93.361	0.094	65.4	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)
120 minute summer	MH9	1.000	MH8	17.9	0.573	0.055	1.3617	
120 minute summer	MH8	1.001	MH6	32.4	0.734	0.074	1.6554	
120 minute summer	MH7	2.000	MH6	9.9	0.290	0.023	0.8864	
120 minute summer	MH6	1.002	MH4	50.9	0.883	0.116	1.6889	
120 minute summer	MH5	3.000	MH4	7.6	0.228	0.018	1.1660	
120 minute summer	MH4	1.003	MH2	57.5	0.945	0.131	2.7456	
120 minute summer	MH3	4.000	MH2	4.7	0.203	0.011	1.9030	
120 minute summer	MH2	1.004	MH1	59.0	0.835	0.121	5.1921	
120 minute summer	MH1	1.005	MH1.1	62.6	1.018	0.487	2.0678	
120 minute summer	MH1.1	1.006	NEW SW 1	58.4	1.139	0.414	0.8406	
120 minute summer	NEW SW 1	EX1.000	EX SW 1	57.5	3.266	2.165	0.3054	172.0
120 minute summer	MH16	5.000	MH17	14.6	1.581	0.077	0.2048	
120 minute summer	MH14	6.000	MH15	4.1	1.470	0.099	0.0316	
120 minute summer	MH15	6.001	MH17	8.7	0.300	0.028	0.5394	
120 minute summer	MH17	5.001	MH19	24.8	0.365	0.050	5.8586	
120 minute summer	MH11	7.000	MH12	13.2	0.404	0.029	1.6658	
120 minute summer	MH12	7.001	MH13	29.9	0.483	0.098	3.6889	
120 minute summer	MH10	8.000	MH13	22.7	0.398	0.074	3.4793	
120 minute summer	MH13	7.002	MH19	113.8	0.728	0.141	1.3472	
120 minute summer	MH18	5.003	EX SW 3	65.4	3.728	0.365	0.1100	147.8
120 minute summer	MH19	5.002	MH18	60.9	2.463	0.132	0.2167	

Results for 30 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	93.733	0.083	13.8	0.3135	0.0000	OK
120 minute winter	MH8	64	93.648	0.095	25.1	0.3284	0.0000	OK
120 minute winter	MH7	64	93.539	0.058	7.7	0.1866	0.0000	OK
120 minute winter	MH6	64	93.537	0.129	39.6	0.3999	0.0000	OK
120 minute winter	MH5	72	93.483	0.106	5.3	0.3144	0.0000	OK
120 minute winter	MH4	72	93.483	0.154	46.4	0.4101	0.0000	OK
120 minute winter	MH3	72	93.480	0.182	3.5	0.5141	0.0000	OK
120 minute winter	MH2	72	93.480	0.235	56.0	0.7220	0.0000	OK
120 minute winter	MH1	72	93.476	0.363	62.3	1.1151	0.0000	OK
120 minute winter	MH1.1	70	93.457	0.422	59.3	0.8058	0.0000	SURCHARGED
120 minute winter	NEW SW 1	70	93.444	1.805	56.6	3.1903	0.0000	SURCHARGED
120 minute winter	EX SW 1	46	91.392	0.142	56.2	0.0000	0.0000	OK
120 minute winter	MH16	64	95.691	0.051	11.3	0.1583	0.0000	OK
120 minute winter	MH14	64	95.804	0.029	3.2	0.0543	0.0000	OK
120 minute winter	MH15	70	94.817	0.099	5.4	0.3116	0.0000	OK
120 minute winter	MH17	68	94.815	0.118	17.5	0.3523	0.0000	OK
120 minute winter	MH11	64	94.861	0.061	10.2	0.2197	0.0000	OK
120 minute winter	MH12	70	94.815	0.165	21.0	0.5592	0.0000	OK
120 minute winter	MH10	70	94.815	0.170	13.9	0.6630	0.0000	OK
120 minute winter	MH13	66	94.833	0.255	78.6	0.7585	0.0000	OK
120 minute winter	MH18	70	94.105	0.105	60.7	0.3123	0.0000	OK
120 minute winter	MH19	70	94.846	0.385	129.9	1.7429	0.0000	SURCHARGED
120 minute winter	EX SW 3	64	93.355	0.088	58.3	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)
120 minute winter	MH9	1.000	MH8	13.8	0.531	0.043	1.1357	
120 minute winter	MH8	1.001	MH6	25.1	0.689	0.057	1.2986	
120 minute winter	MH7	2.000	MH6	7.7	0.280	0.018	0.5358	
120 minute winter	MH6	1.002	MH4	39.6	0.844	0.090	0.9272	
120 minute winter	MH5	3.000	MH4	5.2	0.204	0.012	0.5466	
120 minute winter	MH4	1.003	MH2	46.1	0.950	0.105	1.6234	
120 minute winter	MH3	4.000	MH2	3.9	0.131	0.009	1.1611	
120 minute winter	MH2	1.004	MH1	54.9	0.825	0.113	3.7051	
120 minute winter	MH1	1.005	MH1.1	57.2	1.006	0.445	2.0582	
120 minute winter	MH1.1	1.006	NEW SW 1	56.6	1.129	0.401	0.8406	
120 minute winter	NEW SW 1	EX1.000	EX SW 1	56.2	3.191	2.115	0.3054	192.4
120 minute winter	MH16	5.000	MH17	11.3	1.469	0.060	0.1705	
120 minute winter	MH14	6.000	MH15	3.2	1.369	0.077	0.0265	
120 minute winter	MH15	6.001	MH17	6.2	0.289	0.020	0.3600	
120 minute winter	MH17	5.001	MH19	22.0	0.330	0.045	5.2330	
120 minute winter	MH11	7.000	MH12	10.2	0.386	0.022	1.3044	
120 minute winter	MH12	7.001	MH13	24.1	0.483	0.079	3.1192	
120 minute winter	MH10	8.000	MH13	18.2	0.393	0.059	2.9223	
120 minute winter	MH13	7.002	MH19	107.9	0.813	0.133	1.1636	
120 minute winter	MH18	5.003	EX SW 3	58.3	3.625	0.326	0.1013	164.0
120 minute winter	MH19	5.002	MH18	60.7	2.474	0.131	0.2133	

Results for 30 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	93.732	0.082	13.4	0.3092	0.0000	OK
180 minute summer	MH8	96	93.647	0.094	24.3	0.3234	0.0000	OK
180 minute summer	MH7	96	93.537	0.056	7.5	0.1805	0.0000	OK
180 minute summer	MH6	96	93.535	0.127	38.5	0.3935	0.0000	OK
180 minute summer	MH5	96	93.466	0.089	5.1	0.2636	0.0000	OK
180 minute summer	MH4	96	93.465	0.136	45.1	0.3632	0.0000	OK
180 minute summer	MH3	100	93.416	0.118	3.4	0.3343	0.0000	OK
180 minute summer	MH2	100	93.414	0.169	55.2	0.5208	0.0000	OK
180 minute summer	MH1	100	93.409	0.296	61.4	0.9101	0.0000	OK
180 minute summer	MH1.1	100	93.394	0.359	58.2	0.6853	0.0000	OK
180 minute summer	NEW SW 1	100	93.383	1.744	55.9	3.0811	0.0000	SURCHARGED
180 minute summer	EX SW 1	80	91.392	0.142	55.3	0.0000	0.0000	OK
180 minute summer	MH16	96	95.690	0.050	10.9	0.1554	0.0000	OK
180 minute summer	MH14	96	95.804	0.028	3.1	0.0535	0.0000	OK
180 minute summer	MH15	96	94.800	0.082	5.2	0.2603	0.0000	OK
180 minute summer	MH17	100	94.804	0.107	16.2	0.3198	0.0000	OK
180 minute summer	MH11	96	94.860	0.060	9.9	0.2166	0.0000	OK
180 minute summer	MH12	96	94.798	0.148	20.4	0.5022	0.0000	OK
180 minute summer	MH10	96	94.797	0.152	13.5	0.5946	0.0000	OK
180 minute summer	MH13	100	94.824	0.246	43.5	0.7302	0.0000	OK
180 minute summer	MH18	96	94.101	0.101	57.0	0.3014	0.0000	OK
180 minute summer	MH19	96	94.828	0.367	110.7	1.6589	0.0000	OK
180 minute summer	EX SW 3	96	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)
180 minute summer	MH9	1.000	MH8	13.4	0.526	0.042	1.1114	
180 minute summer	MH8	1.001	MH6	24.3	0.683	0.055	1.2695	
180 minute summer	MH7	2.000	MH6	7.5	0.285	0.017	0.5203	
180 minute summer	MH6	1.002	MH4	38.5	0.841	0.087	0.8794	
180 minute summer	MH5	3.000	MH4	5.1	0.225	0.012	0.4467	
180 minute summer	MH4	1.003	MH2	45.0	0.948	0.102	1.1256	
180 minute summer	MH3	4.000	MH2	3.3	0.143	0.008	0.6958	
180 minute summer	MH2	1.004	MH1	54.3	0.830	0.112	2.6933	
180 minute summer	MH1	1.005	MH1.1	56.2	0.981	0.437	1.8944	
180 minute summer	MH1.1	1.006	NEW SW 1	55.9	1.096	0.396	0.8342	
180 minute summer	NEW SW 1	EX1.000	EX SW 1	55.3	3.143	2.083	0.3054	192.1
180 minute summer	MH16	5.000	MH17	10.9	1.454	0.057	0.1662	
180 minute summer	MH14	6.000	MH15	3.1	1.357	0.075	0.0259	
180 minute summer	MH15	6.001	MH17	5.3	0.291	0.017	0.3002	
180 minute summer	MH17	5.001	MH19	19.7	0.346	0.040	4.8166	
180 minute summer	MH11	7.000	MH12	9.9	0.386	0.022	1.1661	
180 minute summer	MH12	7.001	MH13	19.5	0.476	0.064	2.9094	
180 minute summer	MH10	8.000	MH13	13.1	0.386	0.043	2.7240	
180 minute summer	MH13	7.002	MH19	91.0	0.797	0.112	1.0781	
180 minute summer	MH18	5.003	EX SW 3	54.5	3.534	0.305	0.0969	166.1
180 minute summer	MH19	5.002	MH18	57.0	2.450	0.123	0.2024	

Results for 30 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	93.722	0.072	10.3	0.2728	0.0000	OK
180 minute winter	MH8	96	93.636	0.083	18.7	0.2850	0.0000	OK
180 minute winter	MH7	96	93.529	0.048	5.7	0.1530	0.0000	OK
180 minute winter	MH6	96	93.518	0.110	29.6	0.3416	0.0000	OK
180 minute winter	MH5	96	93.448	0.071	3.9	0.2124	0.0000	OK
180 minute winter	MH4	96	93.448	0.119	34.7	0.3172	0.0000	OK
180 minute winter	MH3	96	93.365	0.067	2.6	0.1889	0.0000	OK
180 minute winter	MH2	96	93.365	0.120	42.7	0.3683	0.0000	OK
180 minute winter	MH1	96	93.285	0.172	48.2	0.5293	0.0000	OK
180 minute winter	MH1.1	96	93.205	0.170	49.7	0.3237	0.0000	OK
180 minute winter	NEW SW 1	100	92.976	1.337	49.7	2.3622	0.0000	SURCHARGED
180 minute winter	EX SW 1	76	91.392	0.142	49.4	0.0000	0.0000	OK
180 minute winter	MH16	96	95.684	0.044	8.4	0.1365	0.0000	OK
180 minute winter	MH14	96	95.800	0.025	2.4	0.0470	0.0000	OK
180 minute winter	MH15	100	94.775	0.057	4.1	0.1796	0.0000	OK
180 minute winter	MH17	100	94.767	0.070	12.6	0.2087	0.0000	OK
180 minute winter	MH11	96	94.853	0.053	7.6	0.1914	0.0000	OK
180 minute winter	MH12	100	94.767	0.117	15.7	0.3957	0.0000	OK
180 minute winter	MH10	100	94.764	0.119	10.4	0.4661	0.0000	OK
180 minute winter	MH13	84	94.749	0.171	56.8	0.5079	0.0000	OK
180 minute winter	MH18	100	94.091	0.091	48.5	0.2728	0.0000	OK
180 minute winter	MH19	100	94.792	0.331	77.4	1.4983	0.0000	OK
180 minute winter	EX SW 3	100	93.345	0.078	46.7	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)
180 minute winter	MH9	1.000	MH8	10.3	0.486	0.032	0.9256	
180 minute winter	MH8	1.001	MH6	18.7	0.639	0.043	1.0446	
180 minute winter	MH7	2.000	MH6	5.7	0.262	0.013	0.4208	
180 minute winter	MH6	1.002	MH4	29.6	0.788	0.067	0.7214	
180 minute winter	MH5	3.000	MH4	3.9	0.211	0.009	0.3532	
180 minute winter	MH4	1.003	MH2	34.7	0.873	0.079	0.8104	
180 minute winter	MH3	4.000	MH2	2.6	0.097	0.006	0.3795	
180 minute winter	MH2	1.004	MH1	42.7	0.806	0.088	1.4098	
180 minute winter	MH1	1.005	MH1.1	48.1	0.985	0.375	0.9168	
180 minute winter	MH1.1	1.006	NEW SW 1	49.7	1.106	0.353	0.3429	
180 minute winter	NEW SW 1	EX1.000	EX SW 1	49.4	2.804	1.858	0.3054	215.6
180 minute winter	MH16	5.000	MH17	8.4	1.349	0.044	0.1380	
180 minute winter	MH14	6.000	MH15	2.4	1.261	0.058	0.0216	
180 minute winter	MH15	6.001	MH17	4.2	0.283	0.014	0.1667	
180 minute winter	MH17	5.001	MH19	11.6	0.256	0.024	4.0866	
180 minute winter	MH11	7.000	MH12	7.6	0.370	0.017	0.8544	
180 minute winter	MH12	7.001	MH13	16.0	0.471	0.052	1.7114	
180 minute winter	MH10	8.000	MH13	12.0	0.380	0.039	1.6185	
180 minute winter	MH13	7.002	MH19	67.2	0.724	0.083	0.9162	
180 minute winter	MH18	5.003	EX SW 3	46.7	3.424	0.261	0.0856	190.6
180 minute winter	MH19	5.002	MH18	48.5	2.382	0.105	0.1772	

Results for 30 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	93.725	0.075	11.3	0.2836	0.0000	OK
240 minute summer	MH8	124	93.639	0.086	20.4	0.2955	0.0000	OK
240 minute summer	MH7	124	93.531	0.050	6.3	0.1599	0.0000	OK
240 minute summer	MH6	124	93.523	0.115	32.1	0.3553	0.0000	OK
240 minute summer	MH5	124	93.453	0.076	4.3	0.2250	0.0000	OK
240 minute summer	MH4	124	93.452	0.123	37.3	0.3286	0.0000	OK
240 minute summer	MH3	124	93.369	0.071	2.8	0.2003	0.0000	OK
240 minute summer	MH2	124	93.369	0.124	45.6	0.3809	0.0000	OK
240 minute summer	MH1	128	93.293	0.180	51.2	0.5539	0.0000	OK
240 minute summer	MH1.1	128	93.220	0.185	52.7	0.3527	0.0000	OK
240 minute summer	NEW SW 1	128	93.170	1.531	52.5	2.7055	0.0000	SURCHARGED
240 minute summer	EX SW 1	112	91.392	0.142	52.3	0.0000	0.0000	OK
240 minute summer	MH16	124	95.686	0.046	9.2	0.1425	0.0000	OK
240 minute summer	MH14	124	95.801	0.026	2.6	0.0489	0.0000	OK
240 minute summer	MH15	128	94.779	0.060	4.4	0.1912	0.0000	OK
240 minute summer	MH17	128	94.770	0.073	13.4	0.2184	0.0000	OK
240 minute summer	MH11	124	94.855	0.055	8.4	0.1996	0.0000	OK
240 minute summer	MH12	128	94.773	0.123	17.2	0.4175	0.0000	OK
240 minute summer	MH10	128	94.771	0.126	11.4	0.4927	0.0000	OK
240 minute summer	MH13	132	94.739	0.161	44.3	0.4786	0.0000	OK
240 minute summer	MH18	132	94.093	0.093	49.9	0.2781	0.0000	OK
240 minute summer	MH19	128	94.802	0.341	81.0	1.5435	0.0000	OK
240 minute summer	EX SW 3	132	93.347	0.080	48.6	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)
240 minute summer	MH9	1.000	MH8	11.2	0.500	0.035	0.9777	
240 minute summer	MH8	1.001	MH6	20.2	0.652	0.046	1.1036	
240 minute summer	MH7	2.000	MH6	6.3	0.270	0.014	0.4460	
240 minute summer	MH6	1.002	MH4	31.8	0.803	0.072	0.7610	
240 minute summer	MH5	3.000	MH4	4.2	0.225	0.010	0.3758	
240 minute summer	MH4	1.003	MH2	37.0	0.886	0.084	0.8516	
240 minute summer	MH3	4.000	MH2	2.8	0.101	0.006	0.4033	
240 minute summer	MH2	1.004	MH1	45.3	0.815	0.093	1.4900	
240 minute summer	MH1	1.005	MH1.1	51.1	0.997	0.397	0.9979	
240 minute summer	MH1.1	1.006	NEW SW 1	52.5	1.119	0.372	0.3952	
240 minute summer	NEW SW 1	EX1.000	EX SW 1	52.3	2.970	1.969	0.3054	207.6
240 minute summer	MH16	5.000	MH17	9.2	1.383	0.048	0.1466	
240 minute summer	MH14	6.000	MH15	2.6	1.288	0.062	0.0228	
240 minute summer	MH15	6.001	MH17	4.2	0.288	0.014	0.1803	
240 minute summer	MH17	5.001	MH19	14.4	0.316	0.029	4.2523	
240 minute summer	MH11	7.000	MH12	8.3	0.378	0.018	0.9171	
240 minute summer	MH12	7.001	MH13	15.8	0.468	0.052	1.8266	
240 minute summer	MH10	8.000	MH13	11.5	0.376	0.038	1.7295	
240 minute summer	MH13	7.002	MH19	66.6	0.662	0.082	0.9554	
240 minute summer	MH18	5.003	EX SW 3	48.6	3.465	0.272	0.0880	182.5
240 minute summer	MH19	5.002	MH18	49.9	2.395	0.108	0.1810	

Results for 30 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	93.715	0.065	8.4	0.2478	0.0000	OK
240 minute winter	MH8	124	93.628	0.075	15.3	0.2586	0.0000	OK
240 minute winter	MH7	124	93.524	0.043	4.7	0.1399	0.0000	OK
240 minute winter	MH6	124	93.507	0.099	24.1	0.3063	0.0000	OK
240 minute winter	MH5	128	93.436	0.059	3.2	0.1763	0.0000	OK
240 minute winter	MH4	128	93.436	0.107	28.3	0.2848	0.0000	OK
240 minute winter	MH3	128	93.352	0.054	2.1	0.1531	0.0000	OK
240 minute winter	MH2	128	93.352	0.107	34.7	0.3292	0.0000	OK
240 minute winter	MH1	128	93.265	0.152	39.2	0.4678	0.0000	OK
240 minute winter	MH1.1	128	93.186	0.151	40.4	0.2880	0.0000	OK
240 minute winter	NEW SW 1	128	92.457	0.818	40.5	1.4452	0.0000	SURCHARGED
240 minute winter	EX SW 1	104	91.392	0.142	40.5	0.0000	0.0000	OK
240 minute winter	MH16	124	95.680	0.040	6.9	0.1240	0.0000	OK
240 minute winter	MH14	124	95.797	0.022	1.9	0.0419	0.0000	OK
240 minute winter	MH15	128	94.764	0.046	3.2	0.1441	0.0000	OK
240 minute winter	MH17	124	94.755	0.058	10.1	0.1746	0.0000	OK
240 minute winter	MH11	124	94.848	0.048	6.2	0.1737	0.0000	OK
240 minute winter	MH12	132	94.739	0.089	12.8	0.3026	0.0000	OK
240 minute winter	MH10	132	94.732	0.087	8.5	0.3396	0.0000	OK
240 minute winter	MH13	128	94.746	0.168	51.6	0.4995	0.0000	OK
240 minute winter	MH18	132	94.081	0.081	39.8	0.2416	0.0000	OK
240 minute winter	MH19	132	94.756	0.295	76.3	1.3332	0.0000	OK
240 minute winter	EX SW 3	132	93.337	0.070	38.3	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	8.4	0.456	0.026	0.8022	
240 minute winter	MH8	1.001	MH6	15.2	0.606	0.035	0.8977	
240 minute winter	MH7	2.000	MH6	4.7	0.250	0.011	0.3614	
240 minute winter	MH6	1.002	MH4	24.1	0.750	0.055	0.6169	
240 minute winter	MH5	3.000	MH4	3.2	0.139	0.007	0.2916	
240 minute winter	MH4	1.003	MH2	28.3	0.834	0.064	0.6917	
240 minute winter	MH3	4.000	MH2	2.1	0.098	0.005	0.3094	
240 minute winter	MH2	1.004	MH1	34.7	0.776	0.071	1.1907	
240 minute winter	MH1	1.005	MH1.1	39.1	0.938	0.305	0.7823	
240 minute winter	MH1.1	1.006	NEW SW 1	40.5	1.048	0.287	0.2944	
240 minute winter	NEW SW 1	EX1.000	EX SW 1	40.5	2.299	1.523	0.3054	232.8
240 minute winter	MH16	5.000	MH17	6.9	1.274	0.036	0.1199	
240 minute winter	MH14	6.000	MH15	1.9	1.179	0.046	0.0183	
240 minute winter	MH15	6.001	MH17	3.2	0.273	0.010	0.1249	
240 minute winter	MH17	5.001	MH19	10.1	0.234	0.020	3.4827	
240 minute winter	MH11	7.000	MH12	6.2	0.361	0.014	0.6172	
240 minute winter	MH12	7.001	MH13	14.7	0.467	0.048	1.6143	
240 minute winter	MH10	8.000	MH13	10.9	0.374	0.036	1.4744	
240 minute winter	MH13	7.002	MH19	66.3	0.769	0.082	0.7527	
240 minute winter	MH18	5.003	EX SW 3	38.3	3.281	0.214	0.0734	203.1
240 minute winter	MH19	5.002	MH18	39.8	2.295	0.086	0.1508	

Results for 30 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	93.716	0.066	8.6	0.2493	0.0000	OK
360 minute summer	MH8	184	93.628	0.075	15.5	0.2590	0.0000	OK
360 minute summer	MH7	184	93.525	0.044	4.8	0.1409	0.0000	OK
360 minute summer	MH6	184	93.507	0.099	24.3	0.3065	0.0000	OK
360 minute summer	MH5	184	93.436	0.059	3.3	0.1756	0.0000	OK
360 minute summer	MH4	184	93.436	0.107	28.3	0.2841	0.0000	OK
360 minute summer	MH3	184	93.352	0.054	2.2	0.1519	0.0000	OK
360 minute summer	MH2	184	93.352	0.107	34.6	0.3280	0.0000	OK
360 minute summer	MH1	184	93.264	0.151	38.9	0.4645	0.0000	OK
360 minute summer	MH1.1	184	93.184	0.149	39.9	0.2852	0.0000	OK
360 minute summer	NEW SW 1	192	92.368	0.729	39.7	1.2884	0.0000	SURCHARGED
360 minute summer	EX SW 1	176	91.392	0.142	38.8	0.0000	0.0000	OK
360 minute summer	MH16	184	95.680	0.040	7.0	0.1246	0.0000	OK
360 minute summer	MH14	184	95.798	0.023	2.0	0.0429	0.0000	OK
360 minute summer	MH15	184	94.764	0.046	3.4	0.1469	0.0000	OK
360 minute summer	MH17	184	94.756	0.059	10.3	0.1756	0.0000	OK
360 minute summer	MH11	184	94.849	0.049	6.4	0.1757	0.0000	OK
360 minute summer	MH12	184	94.737	0.087	13.1	0.2936	0.0000	OK
360 minute summer	MH10	184	94.724	0.079	8.7	0.3074	0.0000	OK
360 minute summer	MH13	192	94.743	0.165	42.5	0.4909	0.0000	OK
360 minute summer	MH18	184	94.074	0.074	30.8	0.2195	0.0000	OK
360 minute summer	MH19	184	94.710	0.249	47.2	1.1244	0.0000	OK
360 minute summer	EX SW 3	184	93.333	0.066	33.8	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)
360 minute summer	MH9	1.000	MH8	8.5	0.459	0.026	0.8063	
360 minute summer	MH8	1.001	MH6	15.3	0.607	0.035	0.8989	
360 minute summer	MH7	2.000	MH6	4.8	0.253	0.011	0.3625	
360 minute summer	MH6	1.002	MH4	24.1	0.751	0.055	0.6160	
360 minute summer	MH5	3.000	MH4	3.2	0.139	0.007	0.2903	
360 minute summer	MH4	1.003	MH2	28.0	0.831	0.064	0.6885	
360 minute summer	MH3	4.000	MH2	2.1	0.098	0.005	0.3072	
360 minute summer	MH2	1.004	MH1	34.3	0.774	0.071	1.1809	
360 minute summer	MH1	1.005	MH1.1	38.6	0.936	0.300	0.7734	
360 minute summer	MH1.1	1.006	NEW SW 1	39.7	1.042	0.281	0.2904	
360 minute summer	NEW SW 1	EX1.000	EX SW 1	38.8	2.202	1.460	0.3054	229.5
360 minute summer	MH16	5.000	MH17	7.0	1.278	0.037	0.1208	
360 minute summer	MH14	6.000	MH15	2.0	1.195	0.048	0.0189	
360 minute summer	MH15	6.001	MH17	3.3	0.280	0.011	0.1270	
360 minute summer	MH17	5.001	MH19	10.2	0.180	0.021	2.8597	
360 minute summer	MH11	7.000	MH12	6.3	0.364	0.014	0.6065	
360 minute summer	MH12	7.001	MH13	14.4	0.471	0.047	1.5519	
360 minute summer	MH10	8.000	MH13	11.2	0.378	0.037	1.4040	
360 minute summer	MH13	7.002	MH19	41.0	0.695	0.051	0.7129	
360 minute summer	MH18	5.003	EX SW 3	33.8	3.231	0.189	0.0657	191.4
360 minute summer	MH19	5.002	MH18	30.8	2.145	0.067	0.1250	

Results for 30 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	93.707	0.057	6.3	0.2158	0.0000	OK
360 minute winter	MH8	184	93.618	0.065	11.4	0.2252	0.0000	OK
360 minute winter	MH7	184	93.519	0.038	3.5	0.1224	0.0000	OK
360 minute winter	MH6	184	93.493	0.085	18.0	0.2630	0.0000	OK
360 minute winter	MH5	184	93.421	0.044	2.4	0.1319	0.0000	OK
360 minute winter	MH4	184	93.421	0.092	21.1	0.2447	0.0000	OK
360 minute winter	MH3	184	93.337	0.039	1.6	0.1111	0.0000	OK
360 minute winter	MH2	184	93.337	0.092	25.8	0.2833	0.0000	OK
360 minute winter	MH1	184	93.241	0.128	29.1	0.3943	0.0000	OK
360 minute winter	MH1.1	184	93.163	0.128	30.0	0.2442	0.0000	OK
360 minute winter	NEW SW 1	184	91.973	0.334	30.0	0.5908	0.0000	SURCHARGED
360 minute winter	EX SW 1	176	91.392	0.142	29.9	0.0000	0.0000	OK
360 minute winter	MH16	184	95.674	0.034	5.1	0.1071	0.0000	OK
360 minute winter	MH14	184	95.794	0.019	1.4	0.0361	0.0000	OK
360 minute winter	MH15	184	94.757	0.039	2.4	0.1219	0.0000	OK
360 minute winter	MH17	184	94.748	0.051	7.5	0.1520	0.0000	OK
360 minute winter	MH11	184	94.842	0.042	4.6	0.1517	0.0000	OK
360 minute winter	MH12	184	94.721	0.071	9.5	0.2414	0.0000	OK
360 minute winter	MH10	192	94.705	0.060	6.3	0.2341	0.0000	OK
360 minute winter	MH13	176	94.696	0.118	22.5	0.3523	0.0000	OK
360 minute winter	MH18	200	94.067	0.067	28.9	0.2014	0.0000	OK
360 minute winter	MH19	192	94.709	0.248	55.2	1.1232	0.0000	OK
360 minute winter	EX SW 3	200	93.327	0.060	28.4	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)
360 minute winter	MH9	1.000	MH8	6.3	0.419	0.019	0.6542	
360 minute winter	MH8	1.001	MH6	11.3	0.558	0.026	0.7239	
360 minute winter	MH7	2.000	MH6	3.5	0.231	0.008	0.2908	
360 minute winter	MH6	1.002	MH4	18.0	0.699	0.041	0.4947	
360 minute winter	MH5	3.000	MH4	2.4	0.138	0.005	0.2207	
360 minute winter	MH4	1.003	MH2	21.0	0.773	0.048	0.5554	
360 minute winter	MH3	4.000	MH2	1.6	0.115	0.004	0.2332	
360 minute winter	MH2	1.004	MH1	25.8	0.728	0.053	0.9428	
360 minute winter	MH1	1.005	MH1.1	29.0	0.874	0.226	0.6233	
360 minute winter	MH1.1	1.006	NEW SW 1	30.0	0.968	0.213	0.2363	
360 minute winter	NEW SW 1	EX1.000	EX SW 1	29.9	1.698	1.126	0.3054	257.7
360 minute winter	MH16	5.000	MH17	5.1	1.164	0.027	0.0970	
360 minute winter	MH14	6.000	MH15	1.4	1.077	0.034	0.0147	
360 minute winter	MH15	6.001	MH17	2.4	0.256	0.008	0.0995	
360 minute winter	MH17	5.001	MH19	7.5	0.185	0.015	2.7914	
360 minute winter	MH11	7.000	MH12	4.6	0.343	0.010	0.4644	
360 minute winter	MH12	7.001	MH13	9.3	0.459	0.030	1.0339	
360 minute winter	MH10	8.000	MH13	6.1	0.366	0.020	0.8880	
360 minute winter	MH13	7.002	MH19	47.7	0.737	0.059	0.5731	
360 minute winter	MH18	5.003	EX SW 3	28.4	3.066	0.159	0.0581	221.4
360 minute winter	MH19	5.002	MH18	28.9	2.152	0.062	0.1166	

Results for 30 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	93.709	0.059	6.8	0.2241	0.0000	OK
480 minute summer	MH8	248	93.621	0.068	12.3	0.2338	0.0000	OK
480 minute summer	MH7	248	93.521	0.040	3.8	0.1275	0.0000	OK
480 minute summer	MH6	248	93.497	0.089	19.5	0.2742	0.0000	OK
480 minute summer	MH5	248	93.425	0.048	2.6	0.1437	0.0000	OK
480 minute summer	MH4	248	93.425	0.096	22.9	0.2554	0.0000	OK
480 minute summer	MH3	248	93.341	0.043	1.7	0.1220	0.0000	OK
480 minute summer	MH2	248	93.341	0.096	28.1	0.2952	0.0000	OK
480 minute summer	MH1	248	93.248	0.135	31.7	0.4142	0.0000	OK
480 minute summer	MH1.1	248	93.169	0.134	32.7	0.2559	0.0000	OK
480 minute summer	NEW SW 1	248	92.086	0.447	32.7	0.7903	0.0000	SURCHARGED
480 minute summer	EX SW 1	240	91.392	0.142	32.7	0.0000	0.0000	OK
480 minute summer	MH16	248	95.676	0.036	5.5	0.1111	0.0000	OK
480 minute summer	MH14	248	95.795	0.020	1.5	0.0373	0.0000	OK
480 minute summer	MH15	248	94.758	0.040	2.6	0.1277	0.0000	OK
480 minute summer	MH17	248	94.750	0.053	8.1	0.1578	0.0000	OK
480 minute summer	MH11	248	94.844	0.044	5.0	0.1575	0.0000	OK
480 minute summer	MH12	248	94.725	0.075	10.3	0.2528	0.0000	OK
480 minute summer	MH10	248	94.709	0.064	6.8	0.2492	0.0000	OK
480 minute summer	MH13	248	94.705	0.127	34.9	0.3785	0.0000	OK
480 minute summer	MH18	256	94.070	0.070	30.2	0.2086	0.0000	OK
480 minute summer	MH19	256	94.710	0.249	58.0	1.1259	0.0000	OK
480 minute summer	EX SW 3	256	93.329	0.062	30.1	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)
480 minute summer	MH9	1.000	MH8	6.8	0.429	0.021	0.6920	
480 minute summer	MH8	1.001	MH6	12.3	0.572	0.028	0.7678	
480 minute summer	MH7	2.000	MH6	3.8	0.238	0.009	0.3087	
480 minute summer	MH6	1.002	MH4	19.5	0.713	0.044	0.5262	
480 minute summer	MH5	3.000	MH4	2.6	0.137	0.006	0.2390	
480 minute summer	MH4	1.003	MH2	22.9	0.791	0.052	0.5910	
480 minute summer	MH3	4.000	MH2	1.7	0.098	0.004	0.2527	
480 minute summer	MH2	1.004	MH1	28.1	0.742	0.058	1.0075	
480 minute summer	MH1	1.005	MH1.1	31.7	0.893	0.247	0.6654	
480 minute summer	MH1.1	1.006	NEW SW 1	32.7	0.990	0.232	0.2517	
480 minute summer	NEW SW 1	EX1.000	EX SW 1	32.7	1.856	1.230	0.3054	247.2
480 minute summer	MH16	5.000	MH17	5.5	1.191	0.029	0.1024	
480 minute summer	MH14	6.000	MH15	1.5	1.100	0.036	0.0155	
480 minute summer	MH15	6.001	MH17	2.6	0.259	0.009	0.1056	
480 minute summer	MH17	5.001	MH19	8.1	0.159	0.016	2.7938	
480 minute summer	MH11	7.000	MH12	5.0	0.352	0.011	0.4957	
480 minute summer	MH12	7.001	MH13	10.2	0.461	0.033	1.1406	
480 minute summer	MH10	8.000	MH13	7.0	0.366	0.023	0.9956	
480 minute summer	MH13	7.002	MH19	49.9	0.708	0.062	0.6071	
480 minute summer	MH18	5.003	EX SW 3	30.1	3.106	0.168	0.0608	216.9
480 minute summer	MH19	5.002	MH18	30.2	2.165	0.065	0.1215	

Results for 30 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	93.701	0.051	5.0	0.1941	0.0000	OK
480 minute winter	MH8	248	93.612	0.059	9.1	0.2025	0.0000	OK
480 minute winter	MH7	248	93.515	0.034	2.8	0.1100	0.0000	OK
480 minute winter	MH6	248	93.484	0.076	14.4	0.2346	0.0000	OK
480 minute winter	MH5	248	93.412	0.035	1.9	0.1034	0.0000	OK
480 minute winter	MH4	248	93.411	0.082	16.9	0.2189	0.0000	OK
480 minute winter	MH3	248	93.328	0.030	1.3	0.0857	0.0000	OK
480 minute winter	MH2	248	93.328	0.083	20.8	0.2553	0.0000	OK
480 minute winter	MH1	248	93.227	0.114	23.5	0.3505	0.0000	OK
480 minute winter	MH1.1	248	93.149	0.114	24.3	0.2178	0.0000	OK
480 minute winter	NEW SW 1	248	91.763	0.124	24.3	0.2187	0.0000	OK
480 minute winter	EX SW 1	248	91.363	0.113	24.3	0.0000	0.0000	OK
480 minute winter	MH16	248	95.671	0.031	4.1	0.0964	0.0000	OK
480 minute winter	MH14	248	95.793	0.018	1.2	0.0335	0.0000	OK
480 minute winter	MH15	248	94.753	0.035	2.0	0.1097	0.0000	OK
480 minute winter	MH17	248	94.743	0.046	6.1	0.1381	0.0000	OK
480 minute winter	MH11	248	94.838	0.038	3.7	0.1374	0.0000	OK
480 minute winter	MH12	248	94.715	0.065	7.7	0.2190	0.0000	OK
480 minute winter	MH10	248	94.698	0.053	5.1	0.2072	0.0000	OK
480 minute winter	MH13	232	94.671	0.093	19.3	0.2762	0.0000	OK
480 minute winter	MH18	240	94.059	0.059	22.9	0.1774	0.0000	OK
480 minute winter	MH19	248	94.679	0.218	40.2	0.9867	0.0000	OK
480 minute winter	EX SW 3	240	93.321	0.054	22.8	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)
480 minute winter	MH9	1.000	MH8	5.0	0.391	0.015	0.5595	
480 minute winter	MH8	1.001	MH6	9.1	0.528	0.021	0.6159	
480 minute winter	MH7	2.000	MH6	2.8	0.219	0.006	0.2469	
480 minute winter	MH6	1.002	MH4	14.4	0.660	0.033	0.4198	
480 minute winter	MH5	3.000	MH4	1.9	0.162	0.004	0.1790	
480 minute winter	MH4	1.003	MH2	16.9	0.725	0.038	0.4754	
480 minute winter	MH3	4.000	MH2	1.3	0.099	0.003	0.1916	
480 minute winter	MH2	1.004	MH1	20.8	0.690	0.043	0.8022	
480 minute winter	MH1	1.005	MH1.1	23.5	0.830	0.183	0.5307	
480 minute winter	MH1.1	1.006	NEW SW 1	24.3	0.916	0.172	0.2024	
480 minute winter	NEW SW 1	EX1.000	EX SW 1	24.3	1.632	0.915	0.2605	277.8
480 minute winter	MH16	5.000	MH17	4.1	1.092	0.022	0.0833	
480 minute winter	MH14	6.000	MH15	1.2	1.028	0.029	0.0132	
480 minute winter	MH15	6.001	MH17	2.0	0.248	0.007	0.0862	
480 minute winter	MH17	5.001	MH19	6.1	0.176	0.012	2.3544	
480 minute winter	MH11	7.000	MH12	3.7	0.320	0.008	0.4010	
480 minute winter	MH12	7.001	MH13	7.8	0.458	0.025	0.7774	
480 minute winter	MH10	8.000	MH13	5.1	0.366	0.017	0.6586	
480 minute winter	MH13	7.002	MH19	34.3	0.661	0.042	0.4718	
480 minute winter	MH18	5.003	EX SW 3	22.8	2.911	0.128	0.0492	237.6
480 minute winter	MH19	5.002	MH18	22.9	2.046	0.050	0.0975	

Results for 30 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	93.704	0.054	5.5	0.2030	0.0000	OK
600 minute summer	MH8	315	93.615	0.062	10.0	0.2119	0.0000	OK
600 minute summer	MH7	315	93.517	0.036	3.1	0.1155	0.0000	OK
600 minute summer	MH6	315	93.488	0.080	15.9	0.2467	0.0000	OK
600 minute summer	MH5	315	93.416	0.039	2.1	0.1153	0.0000	OK
600 minute summer	MH4	315	93.415	0.086	18.6	0.2297	0.0000	OK
600 minute summer	MH3	315	93.332	0.034	1.4	0.0966	0.0000	OK
600 minute summer	MH2	315	93.332	0.087	22.9	0.2674	0.0000	OK
600 minute summer	MH1	315	93.233	0.120	25.9	0.3698	0.0000	OK
600 minute summer	MH1.1	315	93.155	0.120	26.7	0.2291	0.0000	OK
600 minute summer	NEW SW 1	315	91.854	0.215	26.7	0.3805	0.0000	SURCHARGED
600 minute summer	EX SW 1	315	91.391	0.141	26.7	0.0000	0.0000	OK
600 minute summer	MH16	315	95.672	0.032	4.5	0.1009	0.0000	OK
600 minute summer	MH14	315	95.794	0.019	1.3	0.0348	0.0000	OK
600 minute summer	MH15	315	94.755	0.037	2.2	0.1156	0.0000	OK
600 minute summer	MH17	315	94.745	0.048	6.7	0.1443	0.0000	OK
600 minute summer	MH11	315	94.840	0.040	4.1	0.1443	0.0000	OK
600 minute summer	MH12	315	94.717	0.067	8.4	0.2281	0.0000	OK
600 minute summer	MH10	315	94.700	0.055	5.6	0.2164	0.0000	OK
600 minute summer	MH13	315	94.682	0.104	24.9	0.3090	0.0000	OK
600 minute summer	MH18	300	94.060	0.060	22.4	0.1803	0.0000	OK
600 minute summer	MH19	300	94.670	0.209	22.6	0.9449	0.0000	OK
600 minute summer	EX SW 3	300	93.322	0.055	23.6	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)
600 minute summer	MH9	1.000	MH8	5.5	0.401	0.017	0.5975	
600 minute summer	MH8	1.001	MH6	10.0	0.540	0.023	0.6604	
600 minute summer	MH7	2.000	MH6	3.1	0.226	0.007	0.2653	
600 minute summer	MH6	1.002	MH4	15.9	0.677	0.036	0.4510	
600 minute summer	MH5	3.000	MH4	2.1	0.139	0.005	0.1959	
600 minute summer	MH4	1.003	MH2	18.6	0.745	0.042	0.5093	
600 minute summer	MH3	4.000	MH2	1.4	0.095	0.003	0.2095	
600 minute summer	MH2	1.004	MH1	22.9	0.707	0.047	0.8630	
600 minute summer	MH1	1.005	MH1.1	25.9	0.851	0.201	0.5707	
600 minute summer	MH1.1	1.006	NEW SW 1	26.7	0.939	0.189	0.2169	
600 minute summer	NEW SW 1	EX1.000	EX SW 1	26.7	1.623	1.005	0.3045	262.4
600 minute summer	MH16	5.000	MH17	4.5	1.122	0.024	0.0889	
600 minute summer	MH14	6.000	MH15	1.3	1.053	0.031	0.0140	
600 minute summer	MH15	6.001	MH17	2.2	0.253	0.007	0.0923	
600 minute summer	MH17	5.001	MH19	6.7	0.156	0.014	2.2444	
600 minute summer	MH11	7.000	MH12	4.1	0.333	0.009	0.4273	
600 minute summer	MH12	7.001	MH13	8.5	0.455	0.028	0.8918	
600 minute summer	MH10	8.000	MH13	5.6	0.360	0.018	0.7607	
600 minute summer	MH13	7.002	MH19	17.4	0.408	0.021	0.4934	
600 minute summer	MH18	5.003	EX SW 3	23.6	2.943	0.132	0.0504	227.9
600 minute summer	MH19	5.002	MH18	22.4	2.015	0.048	0.0968	

Results for 30 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	93.697	0.047	4.2	0.1788	0.0000	OK
600 minute winter	MH8	315	93.607	0.054	7.7	0.1873	0.0000	OK
600 minute winter	MH7	315	93.513	0.032	2.4	0.1024	0.0000	OK
600 minute winter	MH6	315	93.478	0.070	12.2	0.2157	0.0000	OK
600 minute winter	MH5	315	93.405	0.028	1.6	0.0842	0.0000	OK
600 minute winter	MH4	315	93.405	0.076	14.3	0.2013	0.0000	OK
600 minute winter	MH3	315	93.322	0.024	1.1	0.0682	0.0000	OK
600 minute winter	MH2	315	93.322	0.077	17.6	0.2358	0.0000	OK
600 minute winter	MH1	315	93.217	0.104	19.9	0.3200	0.0000	OK
600 minute winter	MH1.1	315	93.139	0.104	20.5	0.1988	0.0000	OK
600 minute winter	NEW SW 1	315	91.745	0.106	20.5	0.1874	0.0000	OK
600 minute winter	EX SW 1	315	91.349	0.099	20.5	0.0000	0.0000	OK
600 minute winter	MH16	315	95.669	0.029	3.5	0.0893	0.0000	OK
600 minute winter	MH14	315	95.791	0.016	1.0	0.0307	0.0000	OK
600 minute winter	MH15	315	94.750	0.032	1.7	0.1005	0.0000	OK
600 minute winter	MH17	315	94.740	0.043	5.2	0.1285	0.0000	OK
600 minute winter	MH11	315	94.835	0.035	3.1	0.1261	0.0000	OK
600 minute winter	MH12	315	94.709	0.059	6.4	0.2010	0.0000	OK
600 minute winter	MH10	315	94.694	0.049	4.3	0.1910	0.0000	OK
600 minute winter	MH13	315	94.655	0.077	12.5	0.2282	0.0000	OK
600 minute winter	MH18	330	94.052	0.052	17.6	0.1558	0.0000	OK
600 minute winter	MH19	330	94.647	0.186	26.0	0.8399	0.0000	OK
600 minute winter	EX SW 3	330	93.315	0.048	18.0	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)
600 minute winter	MH9	1.000	MH8	4.2	0.369	0.013	0.4971	
600 minute winter	MH8	1.001	MH6	7.7	0.503	0.018	0.5454	
600 minute winter	MH7	2.000	MH6	2.4	0.211	0.006	0.2189	
600 minute winter	MH6	1.002	MH4	12.2	0.631	0.028	0.3712	
600 minute winter	MH5	3.000	MH4	1.6	0.137	0.004	0.1524	
600 minute winter	MH4	1.003	MH2	14.3	0.692	0.032	0.4219	
600 minute winter	MH3	4.000	MH2	1.1	0.098	0.003	0.1637	
600 minute winter	MH2	1.004	MH1	17.6	0.662	0.036	0.7073	
600 minute winter	MH1	1.005	MH1.1	19.9	0.798	0.155	0.4675	
600 minute winter	MH1.1	1.006	NEW SW 1	20.5	0.875	0.145	0.1788	
600 minute winter	NEW SW 1	EX1.000	EX SW 1	20.5	1.600	0.772	0.2244	294.5
600 minute winter	MH16	5.000	MH17	3.5	1.042	0.018	0.0744	
600 minute winter	MH14	6.000	MH15	1.0	0.975	0.024	0.0116	
600 minute winter	MH15	6.001	MH17	1.7	0.236	0.006	0.0766	
600 minute winter	MH17	5.001	MH19	5.2	0.146	0.011	1.8980	
600 minute winter	MH11	7.000	MH12	3.1	0.304	0.007	0.3546	
600 minute winter	MH12	7.001	MH13	6.5	0.462	0.021	0.6322	
600 minute winter	MH10	8.000	MH13	4.3	0.367	0.014	0.5304	
600 minute winter	MH13	7.002	MH19	20.9	0.485	0.026	0.3840	
600 minute winter	MH18	5.003	EX SW 3	18.0	2.742	0.101	0.0412	251.8
600 minute winter	MH19	5.002	MH18	17.6	1.909	0.038	0.0803	

Results for 30 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	93.701	0.051	4.9	0.1922	0.0000	OK
720 minute summer	MH8	375	93.611	0.058	8.9	0.2004	0.0000	OK
720 minute summer	MH7	375	93.515	0.034	2.7	0.1082	0.0000	OK
720 minute summer	MH6	375	93.483	0.075	14.1	0.2321	0.0000	OK
720 minute summer	MH5	375	93.411	0.034	1.9	0.1014	0.0000	OK
720 minute summer	MH4	375	93.410	0.081	16.6	0.2169	0.0000	OK
720 minute summer	MH3	375	93.328	0.030	1.2	0.0835	0.0000	OK
720 minute summer	MH2	375	93.327	0.082	20.4	0.2530	0.0000	OK
720 minute summer	MH1	375	93.226	0.113	23.0	0.3464	0.0000	OK
720 minute summer	MH1.1	375	93.148	0.113	23.8	0.2153	0.0000	OK
720 minute summer	NEW SW 1	375	91.760	0.121	23.8	0.2139	0.0000	OK
720 minute summer	EX SW 1	375	91.361	0.111	23.8	0.0000	0.0000	OK
720 minute summer	MH16	375	95.670	0.030	4.0	0.0953	0.0000	OK
720 minute summer	MH14	375	95.792	0.017	1.1	0.0322	0.0000	OK
720 minute summer	MH15	375	94.752	0.034	1.9	0.1069	0.0000	OK
720 minute summer	MH17	375	94.743	0.046	5.9	0.1360	0.0000	OK
720 minute summer	MH11	375	94.838	0.038	3.6	0.1356	0.0000	OK
720 minute summer	MH12	375	94.714	0.064	7.5	0.2165	0.0000	OK
720 minute summer	MH10	375	94.698	0.053	5.0	0.2052	0.0000	OK
720 minute summer	MH13	360	94.665	0.087	21.1	0.2592	0.0000	OK
720 minute summer	MH18	375	94.059	0.059	21.4	0.1749	0.0000	OK
720 minute summer	MH19	375	94.665	0.204	31.9	0.9218	0.0000	OK
720 minute summer	EX SW 3	375	93.320	0.053	22.3	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 summer	MH9	1.000	MH8	4.9	0.389	0.015	0.5513	
720 minute summer	MH8	1.001	MH6	8.9	0.525	0.020	0.6062	
720 minute summer	MH7	2.000	MH6	2.7	0.216	0.006	0.2425	
720 minute summer	MH6	1.002	MH4	14.1	0.656	0.032	0.4138	
720 minute summer	MH5	3.000	MH4	1.9	0.142	0.004	0.1761	
720 minute summer	MH4	1.003	MH2	16.6	0.722	0.038	0.4690	
720 minute summer	MH3	4.000	MH2	1.2	0.096	0.003	0.1881	
720 minute summer	MH2	1.004	MH1	20.4	0.687	0.042	0.7897	
720 minute summer	MH1	1.005	MH1.1	23.0	0.826	0.179	0.5223	
720 minute summer	MH1.1	1.006	NEW SW 1	23.8	0.911	0.169	0.1994	
720 minute summer	NEW SW 1	EX1.000	EX SW 1	23.8	1.630	0.896	0.2555	277.1
720 minute summer	MH16	5.000	MH17	4.0	1.084	0.021	0.0818	
720 minute summer	MH14	6.000	MH15	1.1	1.002	0.027	0.0124	
720 minute summer	MH15	6.001	MH17	1.9	0.243	0.006	0.0837	
720 minute summer	MH17	5.001	MH19	5.9	0.151	0.012	2.1608	
720 minute summer	MH11	7.000	MH12	3.6	0.317	0.008	0.3942	
720 minute summer	MH12	7.001	MH13	7.6	0.449	0.025	0.7350	
720 minute summer	MH10	8.000	MH13	5.0	0.357	0.016	0.6204	
720 minute summer	MH13	7.002	MH19	26.6	0.594	0.033	0.4489	
720 minute summer	MH18	5.003	EX SW 3	22.3	2.900	0.125	0.0483	233.7
720 minute summer	MH19	5.002	MH18	21.4	1.995	0.046	0.0931	

Results for 30 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	93.695	0.045	3.7	0.1687	0.0000	OK
720 minute winter	MH8	375	93.604	0.051	6.7	0.1755	0.0000	OK
720 minute winter	MH7	375	93.511	0.030	2.1	0.0963	0.0000	OK
720 minute winter	MH6	375	93.473	0.065	10.7	0.2022	0.0000	OK
720 minute winter	MH5	360	93.402	0.025	1.4	0.0743	0.0000	OK
720 minute winter	MH4	375	93.400	0.071	12.5	0.1883	0.0000	OK
720 minute winter	MH3	360	93.318	0.020	0.9	0.0577	0.0000	OK
720 minute winter	MH2	375	93.317	0.072	15.3	0.2206	0.0000	OK
720 minute winter	MH1	375	93.210	0.097	17.3	0.2969	0.0000	OK
720 minute winter	MH1.1	375	93.132	0.097	17.9	0.1850	0.0000	OK
720 minute winter	NEW SW 1	375	91.735	0.096	17.9	0.1694	0.0000	OK
720 minute winter	EX SW 1	375	91.340	0.090	17.9	0.0000	0.0000	OK
720 minute winter	MH16	375	95.667	0.027	3.0	0.0831	0.0000	OK
720 minute winter	MH14	345	95.790	0.015	0.8	0.0276	0.0000	OK
720 minute winter	MH15	360	94.747	0.029	1.4	0.0920	0.0000	OK
720 minute winter	MH17	375	94.737	0.040	4.4	0.1193	0.0000	OK
720 minute winter	MH11	375	94.833	0.033	2.7	0.1182	0.0000	OK
720 minute winter	MH12	360	94.708	0.058	5.6	0.1960	0.0000	OK
720 minute winter	MH10	375	94.691	0.046	3.7	0.1781	0.0000	OK
720 minute winter	MH13	360	94.627	0.049	10.8	0.1467	0.0000	OK
720 minute winter	MH18	375	94.048	0.048	15.5	0.1437	0.0000	OK
720 minute winter	MH19	375	94.636	0.175	15.9	0.7913	0.0000	OK
720 minute winter	EX SW 3	375	93.312	0.045	15.5	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)
720 minute winter	MH9	1.000	MH8	3.7	0.356	0.011	0.4533	
720 minute winter	MH8	1.001	MH6	6.7	0.481	0.015	0.4950	
720 minute winter	MH7	2.000	MH6	2.1	0.203	0.005	0.1988	
720 minute winter	MH6	1.002	MH4	10.7	0.611	0.024	0.3367	
720 minute winter	MH5	3.000	MH4	1.4	0.137	0.003	0.1356	
720 minute winter	MH4	1.003	MH2	12.5	0.667	0.028	0.3827	
720 minute winter	MH3	4.000	MH2	0.9	0.093	0.002	0.1453	
720 minute winter	MH2	1.004	MH1	15.3	0.638	0.031	0.6376	
720 minute winter	MH1	1.005	MH1.1	17.3	0.769	0.135	0.4216	
720 minute winter	MH1.1	1.006	NEW SW 1	17.9	0.843	0.127	0.1619	
720 minute winter	NEW SW 1	EX1.000	EX SW 1	17.9	1.561	0.674	0.2009	309.1
720 minute winter	MH16	5.000	MH17	3.0	0.998	0.016	0.0667	
720 minute winter	MH14	6.000	MH15	0.8	0.912	0.019	0.0099	
720 minute winter	MH15	6.001	MH17	1.4	0.220	0.005	0.0676	
720 minute winter	MH17	5.001	MH19	4.4	0.131	0.009	1.7503	
720 minute winter	MH11	7.000	MH12	2.7	0.282	0.006	0.3352	
720 minute winter	MH12	7.001	MH13	5.6	0.457	0.018	0.4429	
720 minute winter	MH10	8.000	MH13	3.7	0.365	0.012	0.3448	
720 minute winter	MH13	7.002	MH19	11.5	0.322	0.014	0.3345	
720 minute winter	MH18	5.003	EX SW 3	15.5	2.631	0.086	0.0368	264.5
720 minute winter	MH19	5.002	MH18	15.5	1.855	0.033	0.0725	

Results for 30 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	93.696	0.046	4.0	0.1748	0.0000	OK
960 minute summer	MH8	495	93.606	0.053	7.3	0.1828	0.0000	OK
960 minute summer	MH7	495	93.512	0.031	2.2	0.0984	0.0000	OK
960 minute summer	MH6	495	93.476	0.068	11.5	0.2094	0.0000	OK
960 minute summer	MH5	495	93.403	0.026	1.5	0.0781	0.0000	OK
960 minute summer	MH4	495	93.402	0.073	13.5	0.1956	0.0000	OK
960 minute summer	MH3	495	93.320	0.022	1.0	0.0623	0.0000	OK
960 minute summer	MH2	495	93.320	0.075	16.6	0.2293	0.0000	OK
960 minute summer	MH1	495	93.214	0.101	18.8	0.3104	0.0000	OK
960 minute summer	MH1.1	495	93.136	0.101	19.4	0.1931	0.0000	OK
960 minute summer	NEW SW 1	495	91.741	0.102	19.4	0.1796	0.0000	OK
960 minute summer	EX SW 1	495	91.345	0.095	19.4	0.0000	0.0000	OK
960 minute summer	MH16	495	95.668	0.028	3.3	0.0869	0.0000	OK
960 minute summer	MH14	495	95.791	0.016	0.9	0.0292	0.0000	OK
960 minute summer	MH15	495	94.748	0.030	1.5	0.0949	0.0000	OK
960 minute summer	MH17	495	94.739	0.042	4.8	0.1240	0.0000	OK
960 minute summer	MH11	495	94.834	0.034	3.0	0.1242	0.0000	OK
960 minute summer	MH12	480	94.709	0.059	6.2	0.2006	0.0000	OK
960 minute summer	MH10	495	94.693	0.048	4.1	0.1868	0.0000	OK
960 minute summer	MH13	480	94.641	0.063	12.1	0.1871	0.0000	OK
960 minute summer	MH18	495	94.051	0.051	17.4	0.1520	0.0000	OK
960 minute summer	MH19	495	94.648	0.187	20.6	0.8468	0.0000	OK
960 minute summer	EX SW 3	495	93.314	0.047	17.1	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	4.0	0.364	0.012	0.4795	
960 minute summer	MH8	1.001	MH6	7.3	0.496	0.017	0.5231	
960 minute summer	MH7	2.000	MH6	2.2	0.204	0.005	0.2086	
960 minute summer	MH6	1.002	MH4	11.5	0.621	0.026	0.3556	
960 minute summer	MH5	3.000	MH4	1.5	0.138	0.003	0.1439	
960 minute summer	MH4	1.003	MH2	13.5	0.680	0.031	0.4049	
960 minute summer	MH3	4.000	MH2	1.0	0.096	0.002	0.1550	
960 minute summer	MH2	1.004	MH1	16.6	0.651	0.034	0.6779	
960 minute summer	MH1	1.005	MH1.1	18.8	0.786	0.146	0.4482	
960 minute summer	MH1.1	1.006	NEW SW 1	19.4	0.861	0.138	0.1717	
960 minute summer	NEW SW 1	EX1.000	EX SW 1	19.4	1.585	0.730	0.2144	295.7
960 minute summer	MH16	5.000	MH17	3.3	1.025	0.017	0.0714	
960 minute summer	MH14	6.000	MH15	0.9	0.944	0.022	0.0108	
960 minute summer	MH15	6.001	MH17	1.5	0.222	0.005	0.0715	
960 minute summer	MH17	5.001	MH19	4.8	0.139	0.010	1.9167	
960 minute summer	MH11	7.000	MH12	3.0	0.300	0.007	0.3507	
960 minute summer	MH12	7.001	MH13	6.5	0.456	0.021	0.5363	
960 minute summer	MH10	8.000	MH13	4.1	0.365	0.013	0.4351	
960 minute summer	MH13	7.002	MH19	15.8	0.385	0.019	0.3745	
960 minute summer	MH18	5.003	EX SW 3	17.1	2.696	0.095	0.0397	254.5
960 minute summer	MH19	5.002	MH18	17.4	1.914	0.038	0.0793	