

Results for 2 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	10	51	216.877	0.211	8.3	0.5027	0.0000	SURCHARGED
60 minute summer	11	51	216.700	0.089	8.2	0.0252	0.0000	OK
60 minute summer	OUTFALL1	51	216.660	0.080	8.2	0.0000	0.0000	OK
60 minute summer	12	1	216.563	0.000	0.0	0.0000	0.0000	OK
60 minute summer	OUTFALL2	105	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	10	Hydro-Brake®	11	8.2				
60 minute summer	11	1.010	OUTFALL1	8.2	0.804	0.564	0.0468	35.0
60 minute summer	12	5.000	27	0.0	0.000	0.000	0.0402	

Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	1	1	218.710	0.000	0.0	0.0000	0.0000	OK
60 minute winter	2	33	218.531	0.031	1.8	0.0344	0.0000	OK
60 minute winter	3	39	218.408	0.265	3.6	0.5583	0.0000	SURCHARGED
60 minute winter	4	42	217.752	0.202	6.9	0.4552	0.0000	OK
60 minute winter	5	42	217.748	0.359	7.0	1.4133	0.0000	SURCHARGED
60 minute winter	6	52	217.451	0.233	8.0	0.9116	0.0000	SURCHARGED
60 minute winter	7	52	217.448	0.358	9.5	1.2412	0.0000	SURCHARGED
60 minute winter	13	35	218.698	0.034	1.6	0.0227	0.0000	OK
60 minute winter	14	35	218.553	0.040	2.3	0.0289	0.0000	OK
60 minute winter	20	39	218.484	0.009	0.1	0.0027	0.0000	OK
60 minute winter	21	36	218.410	0.019	0.5	0.0096	0.0000	OK
60 minute winter	15	49	218.356	0.054	3.1	0.0635	0.0000	OK
60 minute winter	16	48	218.356	0.319	4.1	1.0047	0.0000	SURCHARGED
60 minute winter	17	49	218.354	0.534	3.6	2.2978	0.0000	SURCHARGED
60 minute winter	18	34	217.538	0.049	4.4	0.0943	0.0000	OK
60 minute winter	19	53	217.445	0.140	5.7	0.2363	0.0000	OK
60 minute winter	8	52	217.444	0.597	12.8	4.1568	0.0000	SURCHARGED
60 minute winter	9	57	216.911	0.156	8.6	0.2201	0.0000	OK
60 minute winter	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
60 minute winter	23	39	218.157	0.189	1.5	0.2479	0.0000	SURCHARGED
60 minute winter	24	34	217.348	0.034	3.0	0.0337	0.0000	OK
60 minute winter	25	42	216.653	0.406	5.7	0.7366	0.0000	SURCHARGED
60 minute winter	28	120	215.634	0.033	1.6	0.0376	0.0000	OK
60 minute winter	26	60	216.602	0.524	5.5	3.6981	0.0000	SURCHARGED
60 minute winter	27	61	216.602	0.108	1.3	0.1439	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	1	1.000	2	0.0	0.000	0.000	0.0409	
60 minute winter	2	1.001	3	1.8	0.192	0.092	0.3051	
60 minute winter	3	Orifice	4	2.8				
60 minute winter	4	1.003	5	5.8	0.314	0.168	1.3972	
60 minute winter	5	Orifice	6	5.7				
60 minute winter	6	1.005	7	7.8	0.684	0.226	1.1469	
60 minute winter	7	1.006	8	7.0	0.348	0.138	1.0030	
60 minute winter	13	2.000	14	1.6	0.481	0.111	0.0763	
60 minute winter	14	2.001	15	2.3	0.546	0.159	0.1348	
60 minute winter	20	3.000	21	0.1	0.152	0.007	0.0108	
60 minute winter	21	3.001	15	0.5	0.189	0.035	0.0425	
60 minute winter	15	2.002	16	3.1	0.535	0.214	0.4661	
60 minute winter	16	2.003	17	2.6	0.214	0.183	0.5717	
60 minute winter	17	Orifice	18	1.4				
60 minute winter	18	2.005	19	4.4	0.680	0.104	0.4077	
60 minute winter	19	2.006	8	5.6	0.312	0.109	1.5141	
60 minute winter	8	Orifice	9	8.1				
60 minute winter	9	1.008	10	8.3	0.406	0.196	0.4606	
60 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
60 minute winter	23	Orifice	24	1.1				
60 minute winter	24	4.002	25	2.9	0.783	0.116	0.5013	
60 minute winter	25	Orifice	26	4.0				
60 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	11.5
60 minute winter	26	Hydro-Brake®	28	1.6				
60 minute winter	27	5.001	26	-1.2	-0.099	-0.092	0.9026	

Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	10	57	216.908	0.242	8.6	0.5932	0.0000	SURCHARGED
60 minute winter	11	57	216.701	0.090	8.4	0.0255	0.0000	OK
60 minute winter	OUTFALL1	57	216.661	0.081	8.4	0.0000	0.0000	OK
60 minute winter	12	61	216.602	0.039	0.2	0.0110	0.0000	OK
60 minute winter	OUTFALL2	120	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute winter	10	Hydro-Brake®	11	8.4				
60 minute winter	11	1.010	OUTFALL1	8.4	0.807	0.575	0.0475	39.2
60 minute winter	12	5.000	27	-0.2	-0.057	-0.018	0.1009	

Results for 2 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	1	2	218.710	0.000	0.0	0.0000	0.0000	OK
120 minute summer	2	64	218.529	0.029	1.6	0.0322	0.0000	OK
120 minute summer	3	68	218.378	0.235	3.2	0.4541	0.0000	SURCHARGED
120 minute summer	4	72	217.722	0.173	6.5	0.3515	0.0000	OK
120 minute summer	5	72	217.720	0.331	6.7	1.2589	0.0000	SURCHARGED
120 minute summer	6	84	217.444	0.226	7.6	0.8680	0.0000	SURCHARGED
120 minute summer	7	84	217.440	0.350	8.7	1.2042	0.0000	SURCHARGED
120 minute summer	13	64	218.697	0.033	1.5	0.0220	0.0000	OK
120 minute summer	14	64	218.552	0.038	2.1	0.0271	0.0000	OK
120 minute summer	20	70	218.484	0.009	0.1	0.0027	0.0000	OK
120 minute summer	21	66	218.410	0.019	0.5	0.0096	0.0000	OK
120 minute summer	15	82	218.350	0.048	2.9	0.0525	0.0000	OK
120 minute summer	16	82	218.349	0.313	3.8	0.9724	0.0000	SURCHARGED
120 minute summer	17	80	218.348	0.528	3.3	2.2614	0.0000	SURCHARGED
120 minute summer	18	64	217.537	0.048	4.2	0.0915	0.0000	OK
120 minute summer	19	84	217.438	0.133	5.4	0.2184	0.0000	OK
120 minute summer	8	84	217.437	0.590	12.0	4.0842	0.0000	SURCHARGED
120 minute summer	9	86	216.906	0.151	8.5	0.2121	0.0000	OK
120 minute summer	22	2	218.616	0.000	0.0	0.0000	0.0000	OK
120 minute summer	23	70	218.134	0.166	1.4	0.2063	0.0000	SURCHARGED
120 minute summer	24	64	217.347	0.033	2.8	0.0327	0.0000	OK
120 minute summer	25	74	216.632	0.386	5.4	0.6697	0.0000	SURCHARGED
120 minute summer	28	166	215.634	0.033	1.6	0.0376	0.0000	OK
120 minute summer	26	94	216.597	0.519	5.1	3.6374	0.0000	SURCHARGED
120 minute summer	27	92	216.597	0.103	1.2	0.1349	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute summer	1	1.000	2	0.0	0.000	0.000	0.0378	
120 minute summer	2	1.001	3	1.6	0.176	0.083	0.3021	
120 minute summer	3	Orifice	4	2.6				
120 minute summer	4	1.003	5	5.5	0.277	0.159	1.3098	
120 minute summer	5	Orifice	6	5.4				
120 minute summer	6	1.005	7	7.1	0.665	0.205	1.1465	
120 minute summer	7	1.006	8	6.5	0.302	0.128	1.0030	
120 minute summer	13	2.000	14	1.5	0.472	0.104	0.0720	
120 minute summer	14	2.001	15	2.1	0.524	0.145	0.1268	
120 minute summer	20	3.000	21	0.1	0.152	0.007	0.0108	
120 minute summer	21	3.001	15	0.5	0.189	0.035	0.0387	
120 minute summer	15	2.002	16	2.9	0.511	0.199	0.4492	
120 minute summer	16	2.003	17	2.1	0.166	0.148	0.5717	
120 minute summer	17	Orifice	18	1.4				
120 minute summer	18	2.005	19	4.2	0.670	0.099	0.3871	
120 minute summer	19	2.006	8	5.4	0.267	0.103	1.4791	
120 minute summer	8	Orifice	9	8.1				
120 minute summer	9	1.008	10	8.3	0.401	0.195	0.4532	
120 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
120 minute summer	23	Orifice	24	1.0				
120 minute summer	24	4.002	25	2.8	0.782	0.109	0.4983	
120 minute summer	25	Orifice	26	3.8				
120 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	14.4
120 minute summer	26	Hydro-Brake®	28	1.6				
120 minute summer	27	5.001	26	-1.1	-0.089	-0.081	0.8821	

Results for 2 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	10	86	216.903	0.237	8.5	0.5773	0.0000	SURCHARGED
120 minute summer	11	86	216.701	0.090	8.4	0.0255	0.0000	OK
120 minute summer	OUTFALL1	86	216.661	0.081	8.4	0.0000	0.0000	OK
120 minute summer	12	96	216.597	0.034	0.2	0.0096	0.0000	OK
120 minute summer	OUTFALL2	166	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute summer	10	Hydro-Brake®	11	8.4				
120 minute summer	11	1.010	OUTFALL1	8.4	0.806	0.573	0.0474	48.8
120 minute summer	12	5.000	27	-0.2	-0.049	-0.014	0.0928	

Results for 2 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	1	2	218.710	0.000	0.0	0.0000	0.0000	OK
120 minute winter	2	64	218.526	0.026	1.3	0.0286	0.0000	OK
120 minute winter	3	70	218.336	0.193	2.6	0.3268	0.0000	SURCHARGED
120 minute winter	4	76	217.700	0.151	5.4	0.2823	0.0000	OK
120 minute winter	5	76	217.698	0.309	5.7	1.1402	0.0000	SURCHARGED
120 minute winter	6	88	217.477	0.259	7.0	1.0689	0.0000	SURCHARGED
120 minute winter	7	88	217.474	0.384	7.6	1.3798	0.0000	SURCHARGED
120 minute winter	13	64	218.693	0.029	1.2	0.0197	0.0000	OK
120 minute winter	14	64	218.548	0.035	1.7	0.0234	0.0000	OK
120 minute winter	20	64	218.484	0.009	0.1	0.0027	0.0000	OK
120 minute winter	21	64	218.408	0.017	0.4	0.0084	0.0000	OK
120 minute winter	15	88	218.380	0.078	2.3	0.1170	0.0000	OK
120 minute winter	16	88	218.379	0.343	3.0	1.1218	0.0000	SURCHARGED
120 minute winter	17	88	218.378	0.558	2.6	2.4314	0.0000	SURCHARGED
120 minute winter	18	64	217.534	0.044	3.6	0.0831	0.0000	OK
120 minute winter	19	90	217.472	0.167	4.5	0.3134	0.0000	OK
120 minute winter	8	88	217.471	0.624	10.9	4.4313	0.0000	SURCHARGED
120 minute winter	9	92	216.933	0.178	8.5	0.2528	0.0000	OK
120 minute winter	22	2	218.616	0.000	0.0	0.0000	0.0000	OK
120 minute winter	23	72	218.115	0.147	1.1	0.1732	0.0000	OK
120 minute winter	24	66	217.343	0.030	2.3	0.0294	0.0000	OK
120 minute winter	25	86	216.662	0.416	4.2	0.7679	0.0000	SURCHARGED
120 minute winter	28	186	215.634	0.033	1.6	0.0376	0.0000	OK
120 minute winter	26	100	216.646	0.567	4.3	4.2015	0.0000	SURCHARGED
120 minute winter	27	100	216.646	0.152	1.1	0.2214	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	1.000	2	0.0	0.000	0.000	0.0326	
120 minute winter	2	1.001	3	1.3	0.176	0.067	0.2972	
120 minute winter	3	Orifice	4	2.3				
120 minute winter	4	1.003	5	4.7	0.285	0.137	1.2273	
120 minute winter	5	Orifice	6	5.2				
120 minute winter	6	1.005	7	6.4	0.644	0.185	1.1469	
120 minute winter	7	1.006	8	6.7	0.303	0.131	1.0030	
120 minute winter	13	2.000	14	1.2	0.440	0.083	0.0617	
120 minute winter	14	2.001	15	1.7	0.496	0.117	0.1738	
120 minute winter	20	3.000	21	0.1	0.153	0.007	0.0097	
120 minute winter	21	3.001	15	0.4	0.184	0.028	0.0656	
120 minute winter	15	2.002	16	2.3	0.478	0.158	0.5368	
120 minute winter	16	2.003	17	1.8	0.161	0.127	0.5717	
120 minute winter	17	Orifice	18	1.5				
120 minute winter	18	2.005	19	3.6	0.644	0.084	0.4895	
120 minute winter	19	2.006	8	4.4	0.274	0.086	1.6436	
120 minute winter	8	Orifice	9	8.2				
120 minute winter	9	1.008	10	8.4	0.400	0.198	0.4883	
120 minute winter	22	4.000	23	0.0	0.000	0.000	0.2791	
120 minute winter	23	Orifice	24	0.9				
120 minute winter	24	4.002	25	2.3	0.784	0.090	0.4890	
120 minute winter	25	Orifice	26	3.3				
120 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	16.2
120 minute winter	26	Hydro-Brake®	28	1.6				
120 minute winter	27	5.001	26	-0.9	-0.078	-0.067	1.0193	

Results for 2 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	10	92	216.929	0.263	8.6	0.6554	0.0000	SURCHARGED
120 minute winter	11	92	216.702	0.091	8.4	0.0256	0.0000	OK
120 minute winter	OUTFALL1	92	216.662	0.082	8.4	0.0000	0.0000	OK
120 minute winter	12	100	216.646	0.083	0.2	0.0234	0.0000	OK
120 minute winter	OUTFALL2	186	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute winter	10	Hydro-Brake®	11	8.4				
120 minute winter	11	1.010	OUTFALL1	8.4	0.808	0.579	0.0478	54.9
120 minute winter	12	5.000	27	-0.2	-0.051	-0.015	0.1616	

Results for 2 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute summer	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
180 minute summer	2	96	218.526	0.026	1.3	0.0286	0.0000	OK
180 minute summer	3	100	218.334	0.191	2.6	0.3210	0.0000	SURCHARGED
180 minute summer	4	104	217.686	0.137	5.5	0.2441	0.0000	OK
180 minute summer	5	104	217.684	0.295	5.6	1.0711	0.0000	SURCHARGED
180 minute summer	6	120	217.441	0.223	6.9	0.8529	0.0000	OK
180 minute summer	7	120	217.439	0.348	7.7	1.1950	0.0000	SURCHARGED
180 minute summer	13	96	218.693	0.029	1.2	0.0197	0.0000	OK
180 minute summer	14	96	218.548	0.035	1.7	0.0234	0.0000	OK
180 minute summer	20	96	218.484	0.009	0.1	0.0027	0.0000	OK
180 minute summer	21	96	218.408	0.017	0.4	0.0084	0.0000	OK
180 minute summer	15	116	218.347	0.045	2.3	0.0469	0.0000	OK
180 minute summer	16	116	218.346	0.310	3.0	0.9568	0.0000	SURCHARGED
180 minute summer	17	116	218.344	0.524	2.6	2.2423	0.0000	SURCHARGED
180 minute summer	18	96	217.534	0.045	3.6	0.0841	0.0000	OK
180 minute summer	19	120	217.436	0.131	4.5	0.2147	0.0000	OK
180 minute summer	8	120	217.435	0.588	10.6	4.0672	0.0000	SURCHARGED
180 minute summer	9	124	216.908	0.153	8.4	0.2148	0.0000	OK
180 minute summer	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
180 minute summer	23	100	218.102	0.134	1.1	0.1524	0.0000	OK
180 minute summer	24	96	217.344	0.031	2.3	0.0297	0.0000	OK
180 minute summer	25	112	216.623	0.377	4.3	0.6419	0.0000	SURCHARGED
180 minute summer	28	212	215.634	0.033	1.6	0.0376	0.0000	OK
180 minute summer	26	128	216.602	0.524	4.4	3.7000	0.0000	SURCHARGED
180 minute summer	27	128	216.603	0.109	1.0	0.1449	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute summer	1	1.000	2	0.0	0.000	0.000	0.0327	
180 minute summer	2	1.001	3	1.3	0.164	0.067	0.2972	
180 minute summer	3	Orifice	4	2.3				
180 minute summer	4	1.003	5	4.6	0.287	0.133	1.1728	
180 minute summer	5	Orifice	6	5.1				
180 minute summer	6	1.005	7	6.4	0.648	0.186	1.1461	
180 minute summer	7	1.006	8	6.3	0.313	0.123	1.0030	
180 minute summer	13	2.000	14	1.2	0.442	0.083	0.0618	
180 minute summer	14	2.001	15	1.7	0.496	0.118	0.1087	
180 minute summer	20	3.000	21	0.1	0.153	0.007	0.0097	
180 minute summer	21	3.001	15	0.4	0.183	0.028	0.0331	
180 minute summer	15	2.002	16	2.3	0.494	0.159	0.4401	
180 minute summer	16	2.003	17	1.9	0.150	0.131	0.5717	
180 minute summer	17	Orifice	18	1.4				
180 minute summer	18	2.005	19	3.6	0.649	0.086	0.3841	
180 minute summer	19	2.006	8	4.5	0.244	0.087	1.4718	
180 minute summer	8	Orifice	9	8.1				
180 minute summer	9	1.008	10	8.3	0.400	0.195	0.4558	
180 minute summer	22	4.000	23	0.0	0.000	0.000	0.2642	
180 minute summer	23	Orifice	24	0.9				
180 minute summer	24	4.002	25	2.3	0.776	0.091	0.4899	
180 minute summer	25	Orifice	26	3.2				
180 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	17.0
180 minute summer	26	Hydro-Brake®	28	1.6				
180 minute summer	27	5.001	26	-0.9	-0.070	-0.065	0.9050	

Results for 2 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute summer	10	124	216.905	0.239	8.5	0.5828	0.0000	SURCHARGED
180 minute summer	11	124	216.701	0.090	8.4	0.0255	0.0000	OK
180 minute summer	OUTFALL1	124	216.661	0.081	8.4	0.0000	0.0000	OK
180 minute summer	12	128	216.603	0.040	0.1	0.0112	0.0000	OK
180 minute summer	OUTFALL2	212	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute summer	10	Hydro-Brake®	11	8.4				
180 minute summer	11	1.010	OUTFALL1	8.4	0.807	0.574	0.0474	57.8
180 minute summer	12	5.000	27	-0.1	-0.029	-0.010	0.1019	

Results for 2 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
180 minute winter	2	100	218.523	0.023	1.0	0.0246	0.0000	OK
180 minute winter	3	100	218.287	0.144	2.0	0.2044	0.0000	OK
180 minute winter	4	108	217.644	0.095	4.4	0.1483	0.0000	OK
180 minute winter	5	108	217.642	0.253	4.9	0.8556	0.0000	SURCHARGED
180 minute winter	6	124	217.453	0.235	6.2	0.9199	0.0000	SURCHARGED
180 minute winter	7	124	217.450	0.360	6.5	1.2539	0.0000	SURCHARGED
180 minute winter	13	96	218.689	0.025	0.9	0.0171	0.0000	OK
180 minute winter	14	100	218.543	0.030	1.3	0.0195	0.0000	OK
180 minute winter	20	92	218.484	0.009	0.1	0.0027	0.0000	OK
180 minute winter	21	96	218.408	0.017	0.4	0.0084	0.0000	OK
180 minute winter	15	124	218.377	0.075	1.9	0.1078	0.0000	OK
180 minute winter	16	124	218.376	0.340	2.5	1.1053	0.0000	SURCHARGED
180 minute winter	17	124	218.374	0.554	2.3	2.4130	0.0000	SURCHARGED
180 minute winter	18	96	217.531	0.042	3.2	0.0766	0.0000	OK
180 minute winter	19	124	217.448	0.143	3.9	0.2450	0.0000	OK
180 minute winter	8	124	217.447	0.600	9.6	4.1870	0.0000	SURCHARGED
180 minute winter	9	124	216.920	0.165	8.5	0.2349	0.0000	OK
180 minute winter	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
180 minute winter	23	104	218.082	0.113	0.9	0.1234	0.0000	OK
180 minute winter	24	100	217.341	0.028	1.9	0.0266	0.0000	OK
180 minute winter	25	132	216.657	0.411	3.5	0.7519	0.0000	SURCHARGED
180 minute winter	28	84	215.634	0.033	1.6	0.0376	0.0000	OK
180 minute winter	26	140	216.645	0.567	3.7	4.1958	0.0000	SURCHARGED
180 minute winter	27	140	216.645	0.151	0.8	0.2203	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	1.000	2	0.0	0.000	0.000	0.0272	
180 minute winter	2	1.001	3	1.0	0.162	0.052	0.2886	
180 minute winter	3	Orifice	4	1.9				
180 minute winter	4	1.003	5	4.1	0.255	0.118	1.0031	
180 minute winter	5	Orifice	6	4.6				
180 minute winter	6	1.005	7	5.6	0.631	0.163	1.1469	
180 minute winter	7	1.006	8	6.0	0.299	0.118	1.0030	
180 minute winter	13	2.000	14	0.9	0.401	0.062	0.0509	
180 minute winter	14	2.001	15	1.3	0.452	0.090	0.1644	
180 minute winter	20	3.000	21	0.1	0.153	0.007	0.0097	
180 minute winter	21	3.001	15	0.4	0.187	0.028	0.0618	
180 minute winter	15	2.002	16	1.9	0.432	0.131	0.5258	
180 minute winter	16	2.003	17	1.5	0.157	0.104	0.5717	
180 minute winter	17	Orifice	18	1.5				
180 minute winter	18	2.005	19	3.2	0.622	0.074	0.4242	
180 minute winter	19	2.006	8	3.8	0.270	0.073	1.5304	
180 minute winter	8	Orifice	9	8.1				
180 minute winter	9	1.008	10	8.3	0.399	0.196	0.4725	
180 minute winter	22	4.000	23	0.0	0.000	0.000	0.2276	
180 minute winter	23	Orifice	24	0.8				
180 minute winter	24	4.002	25	1.9	0.755	0.074	0.4814	
180 minute winter	25	Orifice	26	2.8				
180 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	19.0
180 minute winter	26	Hydro-Brake®	28	1.6				
180 minute winter	27	5.001	26	-0.7	-0.046	-0.053	1.0192	

Results for 2 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute winter	10	124	216.917	0.251	8.5	0.6186	0.0000	SURCHARGED
180 minute winter	11	124	216.701	0.090	8.4	0.0256	0.0000	OK
180 minute winter	OUTFALL1	124	216.661	0.081	8.4	0.0000	0.0000	OK
180 minute winter	12	140	216.645	0.082	0.2	0.0232	0.0000	OK
180 minute winter	OUTFALL2	84	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute winter	10	Hydro-Brake®	11	8.4				
180 minute winter	11	1.010	OUTFALL1	8.4	0.807	0.577	0.0476	65.3
180 minute winter	12	5.000	27	-0.2	-0.034	-0.013	0.1610	

Results for 2 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 (m ³)	Flood (m ³)	Status
240 minute summer	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
240 minute summer	2	124	218.525	0.025	1.2	0.0270	0.0000	OK
240 minute summer	3	128	218.308	0.165	2.4	0.2536	0.0000	SURCHARGED
240 minute summer	4	136	217.653	0.104	4.9	0.1668	0.0000	OK
240 minute summer	5	136	217.651	0.262	5.2	0.8995	0.0000	SURCHARGED
240 minute summer	6	152	217.428	0.210	6.4	0.7759	0.0000	OK
240 minute summer	7	152	217.426	0.336	6.7	1.1328	0.0000	SURCHARGED
240 minute summer	13	124	218.692	0.028	1.1	0.0188	0.0000	OK
240 minute summer	14	124	218.546	0.033	1.6	0.0220	0.0000	OK
240 minute summer	20	128	218.484	0.009	0.1	0.0027	0.0000	OK
240 minute summer	21	128	218.408	0.017	0.4	0.0084	0.0000	OK
240 minute summer	15	152	218.347	0.045	2.1	0.0466	0.0000	OK
240 minute summer	16	152	218.346	0.310	2.8	0.9563	0.0000	SURCHARGED
240 minute summer	17	152	218.344	0.524	2.6	2.2434	0.0000	SURCHARGED
240 minute summer	18	128	217.532	0.043	3.3	0.0794	0.0000	OK
240 minute summer	19	152	217.424	0.119	4.1	0.1836	0.0000	OK
240 minute summer	8	152	217.423	0.576	10.0	3.9397	0.0000	SURCHARGED
240 minute summer	9	156	216.899	0.144	8.3	0.2020	0.0000	OK
240 minute summer	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
240 minute summer	23	132	218.087	0.119	1.0	0.1308	0.0000	OK
240 minute summer	24	124	217.342	0.029	2.1	0.0277	0.0000	OK
240 minute summer	25	148	216.622	0.376	3.8	0.6397	0.0000	SURCHARGED
240 minute summer	28	256	215.634	0.033	1.6	0.0376	0.0000	OK
240 minute summer	26	164	216.606	0.528	3.9	3.7378	0.0000	SURCHARGED
240 minute summer	27	164	216.606	0.112	0.6	0.1504	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	1	1.000	2	0.0	0.000	0.000	0.0305	
240 minute summer	2	1.001	3	1.2	0.162	0.061	0.2941	
240 minute summer	3	Orifice	4	2.1				
240 minute summer	4	1.003	5	4.4	0.253	0.127	1.0404	
240 minute summer	5	Orifice	6	4.7				
240 minute summer	6	1.005	7	5.8	0.615	0.169	1.1305	
240 minute summer	7	1.006	8	6.2	0.274	0.121	1.0030	
240 minute summer	13	2.000	14	1.1	0.426	0.075	0.0578	
240 minute summer	14	2.001	15	1.5	0.482	0.107	0.1019	
240 minute summer	20	3.000	21	0.1	0.153	0.007	0.0097	
240 minute summer	21	3.001	15	0.4	0.180	0.028	0.0326	
240 minute summer	15	2.002	16	2.1	0.432	0.145	0.4397	
240 minute summer	16	2.003	17	1.7	0.124	0.119	0.5717	
240 minute summer	17	Orifice	18	1.4				
240 minute summer	18	2.005	19	3.3	0.631	0.078	0.3466	
240 minute summer	19	2.006	8	4.1	0.251	0.079	1.4061	
240 minute summer	8	Orifice	9	8.1				
240 minute summer	9	1.008	10	8.2	0.399	0.194	0.4433	
240 minute summer	22	4.000	23	0.0	0.000	0.000	0.2382	
240 minute summer	23	Orifice	24	0.8				
240 minute summer	24	4.002	25	2.0	0.763	0.080	0.4843	
240 minute summer	25	Orifice	26	2.9				
240 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	19.4
240 minute summer	26	Hydro-Brake®	28	1.6				
240 minute summer	27	5.001	26	-0.5	0.038	-0.039	0.9176	

Results for 2 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 (m ³)	Flood (m ³)	Status
240 minute summer	10	156	216.897	0.230	8.4	0.5574	0.0000	SURCHARGED
240 minute summer	11	156	216.701	0.090	8.3	0.0254	0.0000	OK
240 minute summer	OUTFALL1	156	216.661	0.081	8.3	0.0000	0.0000	OK
240 minute summer	12	164	216.606	0.043	0.1	0.0121	0.0000	OK
240 minute summer	OUTFALL2	256	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	10	Hydro-Brake®	11	8.3				
240 minute summer	11	1.010	OUTFALL1	8.3	0.806	0.571	0.0473	65.5
240 minute summer	12	5.000	27	-0.1	-0.028	-0.010	0.1070	

Results for 2 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 (m ³)	Flood (m ³)	Status
240 minute winter	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
240 minute winter	2	124	218.522	0.022	0.9	0.0228	0.0000	OK
240 minute winter	3	128	218.255	0.112	1.8	0.1432	0.0000	OK
240 minute winter	4	132	217.602	0.053	3.8	0.0804	0.0000	OK
240 minute winter	5	136	217.600	0.211	4.5	0.6387	0.0000	OK
240 minute winter	6	156	217.412	0.194	5.6	0.6801	0.0000	OK
240 minute winter	7	156	217.410	0.320	6.0	1.0589	0.0000	SURCHARGED
240 minute winter	13	124	218.688	0.024	0.8	0.0161	0.0000	OK
240 minute winter	14	128	218.541	0.028	1.1	0.0175	0.0000	OK
240 minute winter	20	124	218.484	0.009	0.1	0.0027	0.0000	OK
240 minute winter	21	128	218.406	0.015	0.3	0.0070	0.0000	OK
240 minute winter	15	160	218.354	0.052	1.6	0.0586	0.0000	OK
240 minute winter	16	160	218.353	0.317	2.1	0.9904	0.0000	SURCHARGED
240 minute winter	17	160	218.351	0.531	2.0	2.2801	0.0000	SURCHARGED
240 minute winter	18	124	217.529	0.040	2.8	0.0729	0.0000	OK
240 minute winter	19	156	217.408	0.103	3.5	0.1488	0.0000	OK
240 minute winter	8	156	217.407	0.560	8.9	3.7764	0.0000	SURCHARGED
240 minute winter	9	156	216.896	0.141	8.3	0.1967	0.0000	OK
240 minute winter	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
240 minute winter	23	136	218.057	0.089	0.7	0.0921	0.0000	OK
240 minute winter	24	128	217.339	0.026	1.7	0.0250	0.0000	OK
240 minute winter	25	172	216.640	0.394	3.0	0.6944	0.0000	SURCHARGED
240 minute winter	28	112	215.634	0.033	1.6	0.0376	0.0000	OK
240 minute winter	26	176	216.628	0.550	3.2	3.9894	0.0000	SURCHARGED
240 minute winter	27	176	216.628	0.134	0.6	0.1888	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute winter	1	1.000	2	0.0	0.000	0.000	0.0248	
240 minute winter	2	1.001	3	0.9	0.161	0.045	0.2361	
240 minute winter	3	Orifice	4	1.7				
240 minute winter	4	1.003	5	3.8	0.249	0.109	0.8245	
240 minute winter	5	Orifice	6	4.2				
240 minute winter	6	1.005	7	5.2	0.613	0.150	1.0980	
240 minute winter	7	1.006	8	5.4	0.279	0.105	1.0030	
240 minute winter	13	2.000	14	0.8	0.395	0.055	0.0459	
240 minute winter	14	2.001	15	1.1	0.433	0.076	0.1102	
240 minute winter	20	3.000	21	0.1	0.153	0.007	0.0084	
240 minute winter	21	3.001	15	0.3	0.173	0.021	0.0390	
240 minute winter	15	2.002	16	1.6	0.421	0.111	0.4587	
240 minute winter	16	2.003	17	1.4	0.152	0.097	0.5717	
240 minute winter	17	Orifice	18	1.4				
240 minute winter	18	2.005	19	2.9	0.609	0.068	0.3007	
240 minute winter	19	2.006	8	3.4	0.282	0.066	1.3259	
240 minute winter	8	Orifice	9	8.0				
240 minute winter	9	1.008	10	8.2	0.398	0.194	0.4389	
240 minute winter	22	4.000	23	0.0	0.000	0.000	0.1739	
240 minute winter	23	Orifice	24	0.7				
240 minute winter	24	4.002	25	1.7	0.750	0.066	0.4769	
240 minute winter	25	Orifice	26	2.5				
240 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	21.3
240 minute winter	26	Hydro-Brake®	28	1.6				
240 minute winter	27	5.001	26	-0.5	0.061	-0.034	0.9900	

Results for 2 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 (m ³)	Flood (m ³)	Status
240 minute winter	10	156	216.894	0.227	8.4	0.5489	0.0000	SURCHARGED
240 minute winter	11	156	216.701	0.090	8.3	0.0254	0.0000	OK
240 minute winter	OUTFALL1	156	216.661	0.081	8.3	0.0000	0.0000	OK
240 minute winter	12	176	216.628	0.065	0.1	0.0183	0.0000	OK
240 minute winter	OUTFALL2	112	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute winter	10	Hydro-Brake®	11	8.3				
240 minute winter	11	1.010	OUTFALL1	8.3	0.805	0.570	0.0472	73.3
240 minute winter	12	5.000	27	-0.1	-0.024	-0.009	0.1401	

Results for 2 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
360 minute summer	2	184	218.522	0.022	0.9	0.0230	0.0000	OK
360 minute summer	3	192	218.257	0.114	1.8	0.1464	0.0000	OK
360 minute summer	4	192	217.602	0.052	3.9	0.0801	0.0000	OK
360 minute summer	5	192	217.600	0.211	4.6	0.6397	0.0000	OK
360 minute summer	6	208	217.379	0.161	5.5	0.5010	0.0000	OK
360 minute summer	7	208	217.377	0.287	6.3	0.9155	0.0000	SURCHARGED
360 minute summer	13	184	218.689	0.025	0.9	0.0170	0.0000	OK
360 minute summer	14	184	218.543	0.030	1.3	0.0191	0.0000	OK
360 minute summer	20	192	218.484	0.009	0.1	0.0027	0.0000	OK
360 minute summer	21	192	218.406	0.015	0.3	0.0070	0.0000	OK
360 minute summer	15	184	218.337	0.035	1.8	0.0308	0.0000	OK
360 minute summer	16	216	218.321	0.285	2.2	0.8305	0.0000	SURCHARGED
360 minute summer	17	216	218.320	0.500	2.1	2.1041	0.0000	SURCHARGED
360 minute summer	18	184	217.529	0.040	2.9	0.0734	0.0000	OK
360 minute summer	19	208	217.376	0.071	3.6	0.0866	0.0000	OK
360 minute summer	8	208	217.375	0.528	9.2	3.4426	0.0000	SURCHARGED
360 minute summer	9	216	216.868	0.113	8.1	0.1490	0.0000	OK
360 minute summer	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
360 minute summer	23	192	218.063	0.094	0.8	0.0987	0.0000	OK
360 minute summer	24	184	217.340	0.027	1.8	0.0257	0.0000	OK
360 minute summer	25	224	216.595	0.349	3.3	0.5600	0.0000	SURCHARGED
360 minute summer	28	176	215.634	0.033	1.6	0.0376	0.0000	OK
360 minute summer	26	232	216.581	0.503	3.2	3.4616	0.0000	SURCHARGED
360 minute summer	27	232	216.581	0.087	0.3	0.1075	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	1	1.000	2	0.0	0.000	0.000	0.0250	
360 minute summer	2	1.001	3	0.9	0.158	0.046	0.2394	
360 minute summer	3	Orifice	4	1.7				
360 minute summer	4	1.003	5	3.9	0.250	0.113	0.8245	
360 minute summer	5	Orifice	6	4.2				
360 minute summer	6	1.005	7	5.4	0.619	0.158	1.0124	
360 minute summer	7	1.006	8	5.3	0.247	0.103	1.0030	
360 minute summer	13	2.000	14	0.9	0.402	0.061	0.0499	
360 minute summer	14	2.001	15	1.3	0.454	0.087	0.0878	
360 minute summer	20	3.000	21	0.1	0.153	0.007	0.0084	
360 minute summer	21	3.001	15	0.3	0.168	0.021	0.0267	
360 minute summer	15	2.002	16	1.7	0.410	0.117	0.4124	
360 minute summer	16	2.003	17	1.4	0.119	0.097	0.5717	
360 minute summer	17	Orifice	18	1.4				
360 minute summer	18	2.005	19	2.9	0.607	0.068	0.2043	
360 minute summer	19	2.006	8	3.5	0.180	0.068	1.1637	
360 minute summer	8	Orifice	9	7.8				
360 minute summer	9	1.008	10	8.0	0.395	0.189	0.3813	
360 minute summer	22	4.000	23	0.0	0.000	0.000	0.1860	
360 minute summer	23	Orifice	24	0.7				
360 minute summer	24	4.002	25	1.8	0.754	0.069	0.4759	
360 minute summer	25	Orifice	26	2.5				
360 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	22.7
360 minute summer	26	Hydro-Brake®	28	1.6				
360 minute summer	27	5.001	26	0.2	0.029	0.016	0.8169	

Results for 2 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute summer	10	216	216.866	0.200	8.2	0.4724	0.0000	SURCHARGED
360 minute summer	11	216	216.699	0.088	8.1	0.0250	0.0000	OK
360 minute summer	OUTFALL1	216	216.660	0.080	8.1	0.0000	0.0000	OK
360 minute summer	12	232	216.581	0.018	0.1	0.0051	0.0000	OK
360 minute summer	OUTFALL2	176	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute summer	10	Hydro-Brake®	11	8.1				
360 minute summer	11	1.010	OUTFALL1	8.1	0.802	0.559	0.0465	77.3
360 minute summer	12	5.000	27	-0.1	-0.016	-0.004	0.0693	

Results for 2 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
360 minute winter	2	192	218.520	0.020	0.7	0.0202	0.0000	OK
360 minute winter	3	192	218.230	0.087	1.4	0.1025	0.0000	OK
360 minute winter	4	184	217.594	0.045	3.1	0.0687	0.0000	OK
360 minute winter	5	192	217.546	0.157	3.6	0.3844	0.0000	OK
360 minute winter	6	216	217.338	0.119	4.6	0.3194	0.0000	OK
360 minute winter	7	216	217.336	0.246	5.2	0.7379	0.0000	SURCHARGED
360 minute winter	13	176	218.685	0.021	0.6	0.0140	0.0000	OK
360 minute winter	14	184	218.538	0.025	0.9	0.0154	0.0000	OK
360 minute winter	20	8	218.475	0.000	0.0	0.0000	0.0000	OK
360 minute winter	21	184	218.403	0.012	0.2	0.0056	0.0000	OK
360 minute winter	15	192	218.331	0.029	1.2	0.0236	0.0000	OK
360 minute winter	16	232	218.302	0.266	1.6	0.7251	0.0000	SURCHARGED
360 minute winter	17	232	218.300	0.480	1.7	1.9940	0.0000	SURCHARGED
360 minute winter	18	192	217.526	0.037	2.5	0.0673	0.0000	OK
360 minute winter	19	192	217.341	0.036	3.0	0.0349	0.0000	OK
360 minute winter	8	224	217.334	0.487	7.9	3.0123	0.0000	SURCHARGED
360 minute winter	9	216	216.848	0.092	7.8	0.1105	0.0000	OK
360 minute winter	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
360 minute winter	23	192	218.038	0.070	0.6	0.0694	0.0000	OK
360 minute winter	24	192	217.337	0.024	1.4	0.0227	0.0000	OK
360 minute winter	25	240	216.592	0.346	2.5	0.5509	0.0000	SURCHARGED
360 minute winter	28	168	215.634	0.033	1.6	0.0376	0.0000	OK
360 minute winter	26	248	216.580	0.502	2.7	3.4491	0.0000	SURCHARGED
360 minute winter	27	248	216.580	0.086	0.3	0.1055	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	1	1.000	2	0.0	0.000	0.000	0.0212	
360 minute winter	2	1.001	3	0.7	0.158	0.036	0.1803	
360 minute winter	3	Orifice	4	1.4				
360 minute winter	4	1.003	5	3.1	0.243	0.089	0.6323	
360 minute winter	5	Orifice	6	3.5				
360 minute winter	6	1.005	7	4.5	0.597	0.130	0.8820	
360 minute winter	7	1.006	8	4.6	0.395	0.090	1.0030	
360 minute winter	13	2.000	14	0.6	0.367	0.041	0.0388	
360 minute winter	14	2.001	15	0.9	0.414	0.062	0.0690	
360 minute winter	20	3.000	21	0.0	0.000	0.000	0.0043	
360 minute winter	21	3.001	15	0.2	0.140	0.014	0.0207	
360 minute winter	15	2.002	16	1.2	0.399	0.083	0.3993	
360 minute winter	16	2.003	17	1.2	0.123	0.082	0.5717	
360 minute winter	17	Orifice	18	1.4				
360 minute winter	18	2.005	19	2.5	0.587	0.058	0.1160	
360 minute winter	19	2.006	8	3.0	0.180	0.057	1.0125	
360 minute winter	8	Orifice	9	7.5				
360 minute winter	9	1.008	10	7.8	0.397	0.183	0.3283	
360 minute winter	22	4.000	23	0.0	0.000	0.000	0.1286	
360 minute winter	23	Orifice	24	0.6				
360 minute winter	24	4.002	25	1.4	0.724	0.054	0.4708	
360 minute winter	25	Orifice	26	2.1				
360 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	25.3
360 minute winter	26	Hydro-Brake®	28	1.6				
360 minute winter	27	5.001	26	0.2	0.028	0.016	0.8118	

Results for 2 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	10	216	216.846	0.180	7.9	0.4186	0.0000	SURCHARGED
360 minute winter	11	216	216.698	0.087	7.9	0.0245	0.0000	OK
360 minute winter	OUTFALL1	216	216.658	0.078	7.9	0.0000	0.0000	OK
360 minute winter	12	248	216.580	0.017	0.0	0.0048	0.0000	OK
360 minute winter	OUTFALL2	168	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute winter	10	Hydro-Brake®	11	7.9				
360 minute winter	11	1.010	OUTFALL1	7.9	0.796	0.541	0.0453	85.6
360 minute winter	12	5.000	27	0.0	-0.007	-0.002	0.0677	

Results for 2 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
480 minute summer	2	248	218.521	0.021	0.8	0.0217	0.0000	OK
480 minute summer	3	248	218.246	0.103	1.6	0.1271	0.0000	OK
480 minute summer	4	248	217.597	0.048	3.5	0.0729	0.0000	OK
480 minute summer	5	256	217.569	0.180	4.1	0.4973	0.0000	OK
480 minute summer	6	272	217.339	0.121	5.0	0.3260	0.0000	OK
480 minute summer	7	272	217.338	0.248	5.7	0.7448	0.0000	SURCHARGED
480 minute summer	13	248	218.686	0.022	0.7	0.0151	0.0000	OK
480 minute summer	14	248	218.540	0.027	1.0	0.0165	0.0000	OK
480 minute summer	20	248	218.484	0.009	0.1	0.0027	0.0000	OK
480 minute summer	21	248	218.406	0.015	0.3	0.0070	0.0000	OK
480 minute summer	15	248	218.333	0.031	1.4	0.0265	0.0000	OK
480 minute summer	16	280	218.281	0.245	1.8	0.6186	0.0000	SURCHARGED
480 minute summer	17	280	218.280	0.460	1.8	1.8787	0.0000	SURCHARGED
480 minute summer	18	248	217.527	0.038	2.6	0.0695	0.0000	OK
480 minute summer	19	248	217.342	0.037	3.1	0.0359	0.0000	OK
480 minute summer	8	272	217.335	0.488	8.3	3.0285	0.0000	SURCHARGED
480 minute summer	9	272	216.847	0.092	7.7	0.1096	0.0000	OK
480 minute summer	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
480 minute summer	23	256	218.039	0.071	0.6	0.0708	0.0000	OK
480 minute summer	24	248	217.338	0.025	1.5	0.0235	0.0000	OK
480 minute summer	25	288	216.574	0.327	2.7	0.4999	0.0000	SURCHARGED
480 minute summer	28	376	215.634	0.033	1.6	0.0376	0.0000	OK
480 minute summer	26	296	216.561	0.483	2.9	3.2337	0.0000	SURCHARGED
480 minute summer	27	296	216.561	0.067	0.3	0.0708	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	1	1.000	2	0.0	0.000	0.000	0.0232	
480 minute summer	2	1.001	3	0.8	0.157	0.041	0.2162	
480 minute summer	3	Orifice	4	1.6				
480 minute summer	4	1.003	5	3.5	0.246	0.100	0.7194	
480 minute summer	5	Orifice	6	3.8				
480 minute summer	6	1.005	7	5.0	0.609	0.146	0.8875	
480 minute summer	7	1.006	8	4.7	0.353	0.093	1.0030	
480 minute summer	13	2.000	14	0.7	0.374	0.048	0.0424	
480 minute summer	14	2.001	15	1.0	0.423	0.069	0.0758	
480 minute summer	20	3.000	21	0.1	0.153	0.007	0.0084	
480 minute summer	21	3.001	15	0.3	0.174	0.021	0.0241	
480 minute summer	15	2.002	16	1.4	0.399	0.097	0.4048	
480 minute summer	16	2.003	17	1.2	0.132	0.086	0.5717	
480 minute summer	17	Orifice	18	1.3				
480 minute summer	18	2.005	19	2.6	0.596	0.061	0.1202	
480 minute summer	19	2.006	8	3.1	0.178	0.060	1.0155	
480 minute summer	8	Orifice	9	7.5				
480 minute summer	9	1.008	10	7.7	0.397	0.182	0.3270	
480 minute summer	22	4.000	23	0.0	0.000	0.000	0.1313	
480 minute summer	23	Orifice	24	0.6				
480 minute summer	24	4.002	25	1.5	0.724	0.058	0.4729	
480 minute summer	25	Orifice	26	2.2				
480 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	26.2
480 minute summer	26	Hydro-Brake®	28	1.6				
480 minute summer	27	5.001	26	-0.2	0.084	-0.015	0.7297	

Results for 2 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute summer	10	272	216.845	0.179	7.9	0.4173	0.0000	SURCHARGED
480 minute summer	11	272	216.697	0.086	7.9	0.0244	0.0000	OK
480 minute summer	OUTFALL1	272	216.658	0.078	7.9	0.0000	0.0000	OK
480 minute summer	12	8	216.563	0.000	0.0	0.0000	0.0000	OK
480 minute summer	OUTFALL2	376	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute summer	10	Hydro-Brake®	11	7.9				
480 minute summer	11	1.010	OUTFALL1	7.9	0.796	0.540	0.0452	86.2
480 minute summer	12	5.000	27	0.0	0.000	0.000	0.0446	

Results for 2 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute winter	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
480 minute winter	2	248	218.518	0.018	0.6	0.0185	0.0000	OK
480 minute winter	3	248	218.213	0.070	1.2	0.0780	0.0000	OK
480 minute winter	4	248	217.590	0.041	2.6	0.0632	0.0000	OK
480 minute winter	5	256	217.511	0.122	3.0	0.2558	0.0000	OK
480 minute winter	6	256	217.268	0.050	3.8	0.0980	0.0000	OK
480 minute winter	7	272	217.257	0.167	4.3	0.4301	0.0000	OK
480 minute winter	13	224	218.683	0.019	0.5	0.0129	0.0000	OK
480 minute winter	14	232	218.535	0.022	0.7	0.0131	0.0000	OK
480 minute winter	20	8	218.475	0.000	0.0	0.0000	0.0000	OK
480 minute winter	21	176	218.400	0.009	0.1	0.0038	0.0000	OK
480 minute winter	15	240	218.327	0.025	0.9	0.0190	0.0000	OK
480 minute winter	16	296	218.235	0.199	1.2	0.4087	0.0000	SURCHARGED
480 minute winter	17	296	218.234	0.414	1.4	1.6175	0.0000	SURCHARGED
480 minute winter	18	264	217.524	0.035	2.2	0.0635	0.0000	OK
480 minute winter	19	264	217.339	0.034	2.6	0.0323	0.0000	OK
480 minute winter	8	272	217.256	0.409	7.0	2.1913	0.0000	SURCHARGED
480 minute winter	9	264	216.829	0.074	7.0	0.0802	0.0000	OK
480 minute winter	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
480 minute winter	23	264	218.024	0.056	0.5	0.0533	0.0000	OK
480 minute winter	24	264	217.334	0.021	1.1	0.0201	0.0000	OK
480 minute winter	25	312	216.530	0.284	2.0	0.3907	0.0000	SURCHARGED
480 minute winter	28	232	215.634	0.033	1.6	0.0376	0.0000	OK
480 minute winter	26	312	216.517	0.439	2.3	2.7459	0.0000	SURCHARGED
480 minute winter	27	312	216.518	0.024	0.1	0.0150	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute winter	1	1.000	2	0.0	0.000	0.000	0.0190	
480 minute winter	2	1.001	3	0.6	0.157	0.031	0.1401	
480 minute winter	3	Orifice	4	1.2				
480 minute winter	4	1.003	5	2.6	0.241	0.075	0.4849	
480 minute winter	5	Orifice	6	2.9				
480 minute winter	6	1.005	7	3.8	0.593	0.111	0.5459	
480 minute winter	7	1.006	8	4.0	0.287	0.079	0.9005	
480 minute winter	13	2.000	14	0.5	0.341	0.035	0.0332	
480 minute winter	14	2.001	15	0.7	0.389	0.048	0.0570	
480 minute winter	20	3.000	21	0.0	0.000	0.000	0.0027	
480 minute winter	21	3.001	15	0.1	0.135	0.007	0.0160	
480 minute winter	15	2.002	16	0.9	0.409	0.062	0.3905	
480 minute winter	16	2.003	17	1.1	0.131	0.073	0.5717	
480 minute winter	17	Orifice	18	1.3				
480 minute winter	18	2.005	19	2.2	0.572	0.052	0.1071	
480 minute winter	19	2.006	8	2.6	0.173	0.050	1.0045	
480 minute winter	8	Orifice	9	6.8				
480 minute winter	9	1.008	10	7.0	0.396	0.165	0.2784	
480 minute winter	22	4.000	23	0.0	0.000	0.000	0.0946	
480 minute winter	23	Orifice	24	0.5				
480 minute winter	24	4.002	25	1.1	0.699	0.043	0.4643	
480 minute winter	25	Orifice	26	1.8				
480 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	28.7
480 minute winter	26	Hydro-Brake®	28	1.6				
480 minute winter	27	5.001	26	0.1	0.047	0.008	0.5616	

Results for 2 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute winter	10	264	216.828	0.162	7.2	0.3725	0.0000	SURCHARGED
480 minute winter	11	264	216.692	0.081	7.2	0.0230	0.0000	OK
480 minute winter	OUTFALL1	264	216.654	0.074	7.2	0.0000	0.0000	OK
480 minute winter	12	8	216.563	0.000	0.0	0.0000	0.0000	OK
480 minute winter	OUTFALL2	232	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute winter	10	Hydro-Brake®	11	7.2				
480 minute winter	11	1.010	OUTFALL1	7.2	0.779	0.492	0.0421	96.8
480 minute winter	12	5.000	27	0.0	0.000	0.000	0.0105	

Results for 2 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
600 minute summer	2	315	218.518	0.018	0.6	0.0185	0.0000	OK
600 minute summer	3	315	218.214	0.071	1.2	0.0794	0.0000	OK
600 minute summer	4	315	217.592	0.043	2.8	0.0657	0.0000	OK
600 minute summer	5	315	217.530	0.141	3.3	0.3216	0.0000	OK
600 minute summer	6	330	217.286	0.068	4.3	0.1467	0.0000	OK
600 minute summer	7	330	217.285	0.195	4.9	0.5292	0.0000	OK
600 minute summer	13	315	218.685	0.021	0.6	0.0140	0.0000	OK
600 minute summer	14	315	218.537	0.024	0.8	0.0143	0.0000	OK
600 minute summer	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
600 minute summer	21	315	218.403	0.012	0.2	0.0056	0.0000	OK
600 minute summer	15	315	218.330	0.028	1.1	0.0221	0.0000	OK
600 minute summer	16	345	218.251	0.215	1.5	0.4756	0.0000	SURCHARGED
600 minute summer	17	345	218.250	0.430	1.6	1.7072	0.0000	SURCHARGED
600 minute summer	18	315	217.526	0.037	2.4	0.0662	0.0000	OK
600 minute summer	19	315	217.341	0.036	2.9	0.0344	0.0000	OK
600 minute summer	8	330	217.283	0.436	7.6	2.4630	0.0000	SURCHARGED
600 minute summer	9	330	216.835	0.080	7.3	0.0901	0.0000	OK
600 minute summer	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
600 minute summer	23	315	218.023	0.055	0.5	0.0524	0.0000	OK
600 minute summer	24	315	217.335	0.022	1.2	0.0210	0.0000	OK
600 minute summer	25	360	216.509	0.263	2.2	0.3422	0.0000	SURCHARGED
600 minute summer	28	300	215.634	0.033	1.6	0.0376	0.0000	OK
600 minute summer	26	360	216.496	0.418	2.4	2.4952	0.0000	SURCHARGED
600 minute summer	27	330	216.503	0.009	0.1	0.0043	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	1	1.000	2	0.0	0.000	0.000	0.0190	
600 minute summer	2	1.001	3	0.6	0.155	0.031	0.1422	
600 minute summer	3	Orifice	4	1.2				
600 minute summer	4	1.003	5	2.8	0.241	0.081	0.5663	
600 minute summer	5	Orifice	6	3.2				
600 minute summer	6	1.005	7	4.3	0.594	0.126	0.6731	
600 minute summer	7	1.006	8	4.3	0.257	0.084	0.9620	
600 minute summer	13	2.000	14	0.6	0.367	0.041	0.0371	
600 minute summer	14	2.001	15	0.8	0.396	0.055	0.0643	
600 minute summer	20	3.000	21	0.0	0.000	0.000	0.0043	
600 minute summer	21	3.001	15	0.2	0.142	0.014	0.0198	
600 minute summer	15	2.002	16	1.1	0.404	0.076	0.3965	
600 minute summer	16	2.003	17	1.1	0.261	0.079	0.5717	
600 minute summer	17	Orifice	18	1.3				
600 minute summer	18	2.005	19	2.4	0.580	0.056	0.1138	
600 minute summer	19	2.006	8	2.9	0.175	0.056	1.0108	
600 minute summer	8	Orifice	9	7.0				
600 minute summer	9	1.008	10	7.3	0.393	0.173	0.2956	
600 minute summer	22	4.000	23	0.0	0.000	0.000	0.0927	
600 minute summer	23	Orifice	24	0.5				
600 minute summer	24	4.002	25	1.2	0.691	0.047	0.4631	
600 minute summer	25	Orifice	26	1.8				
600 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	28.1
600 minute summer	26	Hydro-Brake®	28	1.6				
600 minute summer	27	5.001	26	0.1	0.036	0.007	0.5225	

Results for 2 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute summer	10	330	216.834	0.168	7.4	0.3883	0.0000	SURCHARGED
600 minute summer	11	330	216.694	0.083	7.4	0.0235	0.0000	OK
600 minute summer	OUTFALL1	330	216.655	0.075	7.4	0.0000	0.0000	OK
600 minute summer	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
600 minute summer	OUTFALL2	300	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute summer	10	Hydro-Brake®	11	7.4				
600 minute summer	11	1.010	OUTFALL1	7.4	0.785	0.509	0.0432	91.9
600 minute summer	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute winter	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
600 minute winter	2	300	218.517	0.017	0.5	0.0168	0.0000	OK
600 minute winter	3	330	218.200	0.057	1.0	0.0611	0.0000	OK
600 minute winter	4	330	217.587	0.038	2.2	0.0585	0.0000	OK
600 minute winter	5	330	217.492	0.103	2.6	0.1957	0.0000	OK
600 minute winter	6	285	217.265	0.047	3.4	0.0906	0.0000	OK
600 minute winter	7	345	217.199	0.109	3.9	0.2178	0.0000	OK
600 minute winter	13	315	218.683	0.019	0.5	0.0129	0.0000	OK
600 minute winter	14	315	218.535	0.022	0.7	0.0131	0.0000	OK
600 minute winter	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
600 minute winter	21	240	218.400	0.009	0.1	0.0038	0.0000	OK
600 minute winter	15	315	218.327	0.025	0.9	0.0190	0.0000	OK
600 minute winter	16	360	218.200	0.164	1.2	0.2788	0.0000	SURCHARGED
600 minute winter	17	360	218.199	0.379	1.4	1.4200	0.0000	SURCHARGED
600 minute winter	18	315	217.523	0.034	2.0	0.0607	0.0000	OK
600 minute winter	19	315	217.337	0.032	2.3	0.0301	0.0000	OK
600 minute winter	8	345	217.198	0.351	6.3	1.6640	0.0000	SURCHARGED
600 minute winter	9	345	216.814	0.059	6.4	0.0584	0.0000	OK
600 minute winter	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
600 minute winter	23	345	218.010	0.042	0.4	0.0389	0.0000	OK
600 minute winter	24	315	217.333	0.020	1.0	0.0192	0.0000	OK
600 minute winter	25	375	216.450	0.204	1.8	0.2280	0.0000	OK
600 minute winter	28	300	215.634	0.033	1.6	0.0376	0.0000	OK
600 minute winter	26	375	216.437	0.359	2.1	1.8391	0.0000	SURCHARGED
600 minute winter	27	315	216.503	0.009	0.1	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute winter	1	1.000	2	0.0	0.000	0.000	0.0168	
600 minute winter	2	1.001	3	0.5	0.155	0.026	0.1096	
600 minute winter	3	Orifice	4	1.0				
600 minute winter	4	1.003	5	2.2	0.241	0.064	0.3997	
600 minute winter	5	Orifice	6	2.6				
600 minute winter	6	1.005	7	3.4	0.591	0.099	0.3599	
600 minute winter	7	1.006	8	3.7	0.301	0.073	0.7421	
600 minute winter	13	2.000	14	0.5	0.341	0.035	0.0332	
600 minute winter	14	2.001	15	0.7	0.389	0.048	0.0570	
600 minute winter	20	3.000	21	0.0	0.000	0.000	0.0027	
600 minute winter	21	3.001	15	0.1	0.129	0.007	0.0160	
600 minute winter	15	2.002	16	0.9	0.386	0.062	0.3881	
600 minute winter	16	2.003	17	1.0	0.118	0.070	0.5717	
600 minute winter	17	Orifice	18	1.2				
600 minute winter	18	2.005	19	2.0	0.562	0.048	0.1001	
600 minute winter	19	2.006	8	2.3	0.167	0.045	0.9979	
600 minute winter	8	Orifice	9	6.2				
600 minute winter	9	1.008	10	6.4	0.390	0.152	0.2361	
600 minute winter	22	4.000	23	0.0	0.000	0.000	0.0641	
600 minute winter	23	Orifice	24	0.4				
600 minute winter	24	4.002	25	1.0	0.677	0.039	0.4150	
600 minute winter	25	Orifice	26	1.6				
600 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	30.6
600 minute winter	26	Hydro-Brake®	28	1.6				
600 minute winter	27	5.001	26	0.1	0.041	0.007	0.5225	

Results for 2 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute winter	10	360	216.812	0.146	6.5	0.3323	0.0000	OK
600 minute winter	11	360	216.688	0.077	6.5	0.0218	0.0000	OK
600 minute winter	OUTFALL1	360	216.650	0.070	6.5	0.0000	0.0000	OK
600 minute winter	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
600 minute winter	OUTFALL2	300	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute winter	10	Hydro-Brake®	11	6.5				
600 minute winter	11	1.010	OUTFALL1	6.5	0.762	0.449	0.0393	105.1
600 minute winter	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
720 minute summer	2	375	218.518	0.018	0.6	0.0185	0.0000	OK
720 minute summer	3	375	218.214	0.071	1.2	0.0794	0.0000	OK
720 minute summer	4	375	217.591	0.042	2.6	0.0634	0.0000	OK
720 minute summer	5	375	217.518	0.129	3.1	0.2792	0.0000	OK
720 minute summer	6	375	217.270	0.052	4.1	0.1014	0.0000	OK
720 minute summer	7	390	217.253	0.163	4.7	0.4130	0.0000	OK
720 minute summer	13	375	218.683	0.019	0.5	0.0129	0.0000	OK
720 minute summer	14	375	218.535	0.022	0.7	0.0131	0.0000	OK
720 minute summer	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
720 minute summer	21	315	218.400	0.009	0.1	0.0038	0.0000	OK
720 minute summer	15	375	218.327	0.025	0.9	0.0190	0.0000	OK
720 minute summer	16	405	218.190	0.154	1.2	0.2467	0.0000	SURCHARGED
720 minute summer	17	405	218.189	0.369	1.4	1.3651	0.0000	SURCHARGED
720 minute summer	18	375	217.524	0.035	2.2	0.0635	0.0000	OK
720 minute summer	19	375	217.339	0.034	2.6	0.0323	0.0000	OK
720 minute summer	8	390	217.251	0.404	7.1	2.1451	0.0000	SURCHARGED
720 minute summer	9	390	216.826	0.071	6.9	0.0756	0.0000	OK
720 minute summer	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
720 minute summer	23	375	218.023	0.055	0.5	0.0524	0.0000	OK
720 minute summer	24	375	217.335	0.022	1.2	0.0210	0.0000	OK
720 minute summer	25	420	216.474	0.228	2.1	0.2702	0.0000	SURCHARGED
720 minute summer	28	360	215.634	0.033	1.6	0.0376	0.0000	OK
720 minute summer	26	420	216.461	0.383	2.3	2.0910	0.0000	SURCHARGED
720 minute summer	27	390	216.503	0.009	0.1	0.0043	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	1	1.000	2	0.0	0.000	0.000	0.0190	
720 minute summer	2	1.001	3	0.6	0.155	0.031	0.1422	
720 minute summer	3	Orifice	4	1.2				
720 minute summer	4	1.003	5	2.6	0.241	0.075	0.5148	
720 minute summer	5	Orifice	6	3.1				
720 minute summer	6	1.005	7	4.1	0.584	0.118	0.5354	
720 minute summer	7	1.006	8	4.1	0.267	0.081	0.8888	
720 minute summer	13	2.000	14	0.5	0.341	0.035	0.0332	
720 minute summer	14	2.001	15	0.7	0.389	0.048	0.0570	
720 minute summer	20	3.000	21	0.0	0.000	0.000	0.0027	
720 minute summer	21	3.001	15	0.1	0.135	0.007	0.0160	
720 minute summer	15	2.002	16	0.9	0.404	0.062	0.3874	
720 minute summer	16	2.003	17	1.0	0.161	0.066	0.5717	
720 minute summer	17	Orifice	18	1.2				
720 minute summer	18	2.005	19	2.2	0.572	0.052	0.1071	
720 minute summer	19	2.006	8	2.6	0.168	0.051	1.0045	
720 minute summer	8	Orifice	9	6.7				
720 minute summer	9	1.008	10	7.0	0.392	0.164	0.2700	
720 minute summer	22	4.000	23	0.0	0.000	0.000	0.0927	
720 minute summer	23	Orifice	24	0.5				
720 minute summer	24	4.002	25	1.2	0.670	0.047	0.4578	
720 minute summer	25	Orifice	26	1.8				
720 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	29.3
720 minute summer	26	Hydro-Brake®	28	1.6				
720 minute summer	27	5.001	26	0.1	0.036	0.007	0.5225	

Results for 2 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute summer	10	390	216.825	0.159	7.1	0.3643	0.0000	SURCHARGED
720 minute summer	11	390	216.692	0.081	7.1	0.0228	0.0000	OK
720 minute summer	OUTFALL1	390	216.653	0.073	7.1	0.0000	0.0000	OK
720 minute summer	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
720 minute summer	OUTFALL2	360	215.602	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	10	Hydro-Brake®	11	7.1				
720 minute summer	11	1.010	OUTFALL1	7.1	0.776	0.484	0.0416	98.5
720 minute summer	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute winter	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
720 minute winter	2	330	218.515	0.015	0.4	0.0149	0.0000	OK
720 minute winter	3	345	218.191	0.048	0.8	0.0490	0.0000	OK
720 minute winter	4	375	217.585	0.036	1.9	0.0544	0.0000	OK
720 minute winter	5	375	217.472	0.083	2.2	0.1420	0.0000	OK
720 minute winter	6	360	217.263	0.045	2.9	0.0842	0.0000	OK
720 minute winter	7	405	217.145	0.055	3.3	0.0777	0.0000	OK
720 minute winter	13	345	218.681	0.017	0.4	0.0116	0.0000	OK
720 minute winter	14	345	218.534	0.021	0.6	0.0119	0.0000	OK
720 minute winter	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
720 minute winter	21	285	218.400	0.009	0.1	0.0038	0.0000	OK
720 minute winter	15	360	218.326	0.024	0.8	0.0175	0.0000	OK
720 minute winter	16	420	218.148	0.112	1.0	0.1403	0.0000	OK
720 minute winter	17	420	218.147	0.327	1.2	1.1459	0.0000	SURCHARGED
720 minute winter	18	390	217.522	0.033	1.9	0.0583	0.0000	OK
720 minute winter	19	390	217.337	0.031	2.2	0.0290	0.0000	OK
720 minute winter	8	405	217.144	0.297	5.7	1.2138	0.0000	OK
720 minute winter	9	405	216.811	0.056	5.9	0.0548	0.0000	OK
720 minute winter	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
720 minute winter	23	390	218.010	0.042	0.4	0.0389	0.0000	OK
720 minute winter	24	360	217.332	0.019	0.9	0.0182	0.0000	OK
720 minute winter	25	420	216.398	0.152	1.6	0.1510	0.0000	OK
720 minute winter	28	465	215.634	0.033	1.6	0.0376	0.0000	OK
720 minute winter	26	435	216.384	0.306	2.0	1.3446	0.0000	SURCHARGED
720 minute winter	27	375	216.503	0.009	0.1	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute winter	1	1.000	2	0.0	0.000	0.000	0.0143	
720 minute winter	2	1.001	3	0.4	0.153	0.021	0.0864	
720 minute winter	3	Orifice	4	0.8				
720 minute winter	4	1.003	5	1.9	0.239	0.055	0.3140	
720 minute winter	5	Orifice	6	2.2				
720 minute winter	6	1.005	7	2.9	0.569	0.084	0.1832	
720 minute winter	7	1.006	8	3.3	0.260	0.064	0.5950	
720 minute winter	13	2.000	14	0.4	0.311	0.028	0.0292	
720 minute winter	14	2.001	15	0.6	0.367	0.042	0.0519	
720 minute winter	20	3.000	21	0.0	0.000	0.000	0.0027	
720 minute winter	21	3.001	15	0.1	0.135	0.007	0.0150	
720 minute winter	15	2.002	16	0.8	0.403	0.055	0.3176	
720 minute winter	16	2.003	17	0.9	0.117	0.063	0.5149	
720 minute winter	17	Orifice	18	1.1				
720 minute winter	18	2.005	19	1.9	0.549	0.045	0.0956	
720 minute winter	19	2.006	8	2.2	0.205	0.042	0.9946	
720 minute winter	8	Orifice	9	5.7				
720 minute winter	9	1.008	10	5.9	0.392	0.139	0.2137	
720 minute winter	22	4.000	23	0.0	0.000	0.000	0.0641	
720 minute winter	23	Orifice	24	0.4				
720 minute winter	24	4.002	25	0.9	0.677	0.035	0.2419	
720 minute winter	25	Orifice	26	1.6				
720 minute winter	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	33.9
720 minute winter	26	Hydro-Brake®	28	1.6				
720 minute winter	27	5.001	26	0.1	0.037	0.007	0.5225	

Results for 2 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute winter	10	405	216.799	0.133	6.0	0.2979	0.0000	OK
720 minute winter	11	405	216.684	0.073	6.0	0.0206	0.0000	OK
720 minute winter	OUTFALL1	405	216.647	0.067	6.0	0.0000	0.0000	OK
720 minute winter	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
720 minute winter	OUTFALL2	465	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute winter	10	Hydro-Brake®	11	6.0				
720 minute winter	11	1.010	OUTFALL1	6.0	0.745	0.410	0.0367	111.7
720 minute winter	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
960 minute summer	2	495	218.517	0.017	0.5	0.0168	0.0000	OK
960 minute summer	3	495	218.200	0.057	1.0	0.0610	0.0000	OK
960 minute summer	4	495	217.587	0.038	2.2	0.0585	0.0000	OK
960 minute summer	5	495	217.491	0.102	2.6	0.1929	0.0000	OK
960 minute summer	6	480	217.265	0.047	3.4	0.0904	0.0000	OK
960 minute summer	7	510	217.177	0.087	3.9	0.1550	0.0000	OK
960 minute summer	13	495	218.683	0.019	0.5	0.0129	0.0000	OK
960 minute summer	14	495	218.535	0.022	0.7	0.0131	0.0000	OK
960 minute summer	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
960 minute summer	21	420	218.400	0.009	0.1	0.0038	0.0000	OK
960 minute summer	15	495	218.327	0.025	0.9	0.0190	0.0000	OK
960 minute summer	16	525	218.159	0.123	1.2	0.1650	0.0000	OK
960 minute summer	17	525	218.159	0.339	1.3	1.2034	0.0000	SURCHARGED
960 minute summer	18	495	217.523	0.034	2.0	0.0598	0.0000	OK
960 minute summer	19	495	217.337	0.032	2.3	0.0297	0.0000	OK
960 minute summer	8	510	217.177	0.330	6.2	1.4793	0.0000	SURCHARGED
960 minute summer	9	510	216.813	0.058	6.2	0.0571	0.0000	OK
960 minute summer	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
960 minute summer	23	510	218.010	0.042	0.4	0.0389	0.0000	OK
960 minute summer	24	495	217.333	0.020	1.0	0.0192	0.0000	OK
960 minute summer	25	540	216.408	0.162	1.8	0.1655	0.0000	OK
960 minute summer	28	495	215.634	0.033	1.6	0.0376	0.0000	OK
960 minute summer	26	540	216.395	0.317	2.2	1.4407	0.0000	SURCHARGED
960 minute summer	27	510	216.503	0.009	0.1	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	1	1.000	2	0.0	0.000	0.000	0.0168	
960 minute summer	2	1.001	3	0.5	0.155	0.026	0.1095	
960 minute summer	3	Orifice	4	1.0				
960 minute summer	4	1.003	5	2.2	0.239	0.064	0.3957	
960 minute summer	5	Orifice	6	2.6				
960 minute summer	6	1.005	7	3.4	0.586	0.098	0.2874	
960 minute summer	7	1.006	8	3.6	0.232	0.071	0.6811	
960 minute summer	13	2.000	14	0.5	0.341	0.035	0.0332	
960 minute summer	14	2.001	15	0.7	0.389	0.048	0.0570	
960 minute summer	20	3.000	21	0.0	0.000	0.000	0.0027	
960 minute summer	21	3.001	15	0.1	0.135	0.007	0.0160	
960 minute summer	15	2.002	16	0.9	0.404	0.062	0.3441	
960 minute summer	16	2.003	17	0.9	0.161	0.065	0.5376	
960 minute summer	17	Orifice	18	1.1				
960 minute summer	18	2.005	19	2.0	0.557	0.047	0.0984	
960 minute summer	19	2.006	8	2.3	0.159	0.044	0.9967	
960 minute summer	8	Orifice	9	6.0				
960 minute summer	9	1.008	10	6.2	0.390	0.147	0.2272	
960 minute summer	22	4.000	23	0.0	0.000	0.000	0.0641	
960 minute summer	23	Orifice	24	0.4				
960 minute summer	24	4.002	25	1.0	0.698	0.039	0.2808	
960 minute summer	25	Orifice	26	1.7				
960 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	32.2
960 minute summer	26	Hydro-Brake®	28	1.6				
960 minute summer	27	5.001	26	0.1	0.041	0.007	0.5225	

Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	10	525	216.807	0.141	6.3	0.3185	0.0000	OK
960 minute summer	11	525	216.686	0.075	6.3	0.0213	0.0000	OK
960 minute summer	OUTFALL1	525	216.649	0.069	6.3	0.0000	0.0000	OK
960 minute summer	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
960 minute summer	OUTFALL2	495	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	10	Hydro-Brake®	11	6.3				
960 minute summer	11	1.010	OUTFALL1	6.3	0.756	0.434	0.0383	102.7
960 minute summer	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	1	15	218.710	0.000	0.0	0.0000	0.0000	OK
960 minute winter	2	480	218.515	0.015	0.4	0.0149	0.0000	OK
960 minute winter	3	495	218.191	0.048	0.8	0.0490	0.0000	OK
960 minute winter	4	495	217.583	0.034	1.7	0.0516	0.0000	OK
960 minute winter	5	510	217.464	0.075	2.0	0.1210	0.0000	OK
960 minute winter	6	510	217.261	0.043	2.6	0.0795	0.0000	OK
960 minute winter	7	510	217.126	0.036	2.9	0.0438	0.0000	OK
960 minute winter	13	420	218.679	0.015	0.3	0.0101	0.0000	OK
960 minute winter	14	435	218.530	0.017	0.4	0.0094	0.0000	OK
960 minute winter	20	15	218.475	0.000	0.0	0.0000	0.0000	OK
960 minute winter	21	390	218.400	0.009	0.1	0.0038	0.0000	OK
960 minute winter	15	435	218.323	0.021	0.6	0.0142	0.0000	OK
960 minute winter	16	540	218.088	0.052	0.8	0.0439	0.0000	OK
960 minute winter	17	540	218.088	0.267	1.1	0.8496	0.0000	SURCHARGED
960 minute winter	18	495	217.520	0.031	1.7	0.0546	0.0000	OK
960 minute winter	19	495	217.335	0.030	2.0	0.0274	0.0000	OK
960 minute winter	8	525	217.087	0.240	5.1	0.7737	0.0000	OK
960 minute winter	9	525	216.808	0.053	5.2	0.0505	0.0000	OK
960 minute winter	22	15	218.616	0.000	0.0	0.0000	0.0000	OK
960 minute winter	23	465	218.000	0.032	0.3	0.0292	0.0000	OK
960 minute winter	24	465	217.330	0.017	0.7	0.0161	0.0000	OK
960 minute winter	25	510	216.301	0.055	1.3	0.0484	0.0000	OK
960 minute winter	28	525	215.634	0.033	1.5	0.0371	0.0000	OK
960 minute winter	26	525	216.259	0.181	1.7	0.4898	0.0000	OK
960 minute winter	27	510	216.503	0.009	0.1	0.0043	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	1	1.000	2	0.0	0.000	0.000	0.0143	
960 minute winter	2	1.001	3	0.4	0.153	0.021	0.0864	
960 minute winter	3	Orifice	4	0.8				
960 minute winter	4	1.003	5	1.7	0.239	0.049	0.2758	
960 minute winter	5	Orifice	6	2.0				
960 minute winter	6	1.005	7	2.6	0.557	0.075	0.1349	
960 minute winter	7	1.006	8	2.9	0.232	0.057	0.5535	
960 minute winter	13	2.000	14	0.3	0.298	0.021	0.0228	
960 minute winter	14	2.001	15	0.4	0.329	0.028	0.0409	
960 minute winter	20	3.000	21	0.0	0.000	0.000	0.0027	
960 minute winter	21	3.001	15	0.1	0.135	0.007	0.0128	
960 minute winter	15	2.002	16	0.6	0.367	0.042	0.1380	
960 minute winter	16	2.003	17	0.8	0.161	0.056	0.3742	
960 minute winter	17	Orifice	18	1.0				
960 minute winter	18	2.005	19	1.7	0.528	0.040	0.0886	
960 minute winter	19	2.006	8	2.0	0.286	0.039	0.9894	
960 minute winter	8	Orifice	9	5.0				
960 minute winter	9	1.008	10	5.2	0.390	0.123	0.1878	
960 minute winter	22	4.000	23	0.0	0.000	0.000	0.0443	
960 minute winter	23	Orifice	24	0.3				
960 minute winter	24	4.002	25	0.7	0.628	0.028	0.0541	
960 minute winter	25	Orifice	26	1.3				
960 minute winter	28	4.005	OUTFALL2	1.5	0.443	0.043	0.0220	36.2
960 minute winter	26	Hydro-Brake®	28	1.5				
960 minute winter	27	5.001	26	0.1	0.025	0.007	0.3979	

Results for 2 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute winter	10	525	216.784	0.118	5.3	0.2596	0.0000	OK
960 minute winter	11	525	216.679	0.068	5.3	0.0192	0.0000	OK
960 minute winter	OUTFALL1	525	216.642	0.062	5.3	0.0000	0.0000	OK
960 minute winter	12	15	216.563	0.000	0.0	0.0000	0.0000	OK
960 minute winter	OUTFALL2	525	215.602	0.031	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute winter	10	Hydro-Brake®	11	5.3				
960 minute winter	11	1.010	OUTFALL1	5.3	0.723	0.364	0.0336	121.4
960 minute winter	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute summer	1	30	218.710	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	2	750	218.515	0.015	0.4	0.0149	0.0000	OK
1440 minute summer	3	750	218.191	0.048	0.8	0.0490	0.0000	OK
1440 minute summer	4	750	217.583	0.034	1.7	0.0516	0.0000	OK
1440 minute summer	5	750	217.464	0.075	2.0	0.1210	0.0000	OK
1440 minute summer	6	750	217.261	0.043	2.6	0.0793	0.0000	OK
1440 minute summer	7	750	217.127	0.037	3.0	0.0448	0.0000	OK
1440 minute summer	13	720	218.679	0.015	0.3	0.0101	0.0000	OK
1440 minute summer	14	720	218.530	0.017	0.4	0.0094	0.0000	OK
1440 minute summer	20	30	218.475	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	21	660	218.400	0.009	0.1	0.0038	0.0000	OK
1440 minute summer	15	720	218.323	0.021	0.6	0.0142	0.0000	OK
1440 minute summer	16	780	218.077	0.041	0.8	0.0317	0.0000	OK
1440 minute summer	17	780	218.077	0.257	1.1	0.7946	0.0000	SURCHARGED
1440 minute summer	18	750	217.520	0.031	1.7	0.0543	0.0000	OK
1440 minute summer	19	750	217.335	0.030	2.0	0.0272	0.0000	OK
1440 minute summer	8	750	217.092	0.245	5.2	0.8145	0.0000	OK
1440 minute summer	9	750	216.808	0.053	5.3	0.0510	0.0000	OK
1440 minute summer	22	30	218.616	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	23	750	218.000	0.032	0.3	0.0292	0.0000	OK
1440 minute summer	24	750	217.330	0.017	0.7	0.0161	0.0000	OK
1440 minute summer	25	750	216.300	0.054	1.3	0.0476	0.0000	OK
1440 minute summer	28	750	215.634	0.033	1.5	0.0370	0.0000	OK
1440 minute summer	26	750	216.253	0.175	1.7	0.4598	0.0000	OK
1440 minute summer	27	750	216.503	0.009	0.1	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute summer	1	1.000	2	0.0	0.000	0.000	0.0143	
1440 minute summer	2	1.001	3	0.4	0.151	0.021	0.0864	
1440 minute summer	3	Orifice	4	0.8				
1440 minute summer	4	1.003	5	1.7	0.237	0.049	0.2758	
1440 minute summer	5	Orifice	6	2.0				
1440 minute summer	6	1.005	7	2.6	0.552	0.075	0.1362	
1440 minute summer	7	1.006	8	3.0	0.229	0.059	0.5548	
1440 minute summer	13	2.000	14	0.3	0.298	0.021	0.0228	
1440 minute summer	14	2.001	15	0.4	0.328	0.028	0.0409	
1440 minute summer	20	3.000	21	0.0	0.000	0.000	0.0027	
1440 minute summer	21	3.001	15	0.1	0.135	0.007	0.0128	
1440 minute summer	15	2.002	16	0.6	0.367	0.042	0.1081	
1440 minute summer	16	2.003	17	0.8	0.213	0.055	0.3498	
1440 minute summer	17	Orifice	18	1.0				
1440 minute summer	18	2.005	19	1.7	0.526	0.040	0.0879	
1440 minute summer	19	2.006	8	2.0	0.147	0.038	0.9890	
1440 minute summer	8	Orifice	9	5.1				
1440 minute summer	9	1.008	10	5.3	0.388	0.125	0.1903	
1440 minute summer	22	4.000	23	0.0	0.000	0.000	0.0443	
1440 minute summer	23	Orifice	24	0.3				
1440 minute summer	24	4.002	25	0.7	0.628	0.028	0.0541	
1440 minute summer	25	Orifice	26	1.3				
1440 minute summer	28	4.005	OUTFALL2	1.5	0.442	0.042	0.0219	35.7
1440 minute summer	26	Hydro-Brake®	28	1.5				
1440 minute summer	27	5.001	26	0.1	0.035	0.007	0.3753	

Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute summer	10	750	216.786	0.120	5.4	0.2635	0.0000	OK
1440 minute summer	11	750	216.680	0.068	5.4	0.0194	0.0000	OK
1440 minute summer	OUTFALL1	750	216.643	0.063	5.4	0.0000	0.0000	OK
1440 minute summer	12	30	216.563	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	OUTFALL2	750	215.602	0.031	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute summer	10	Hydro-Brake®	11	5.4				
1440 minute summer	11	1.010	OUTFALL1	5.4	0.726	0.369	0.0339	114.4
1440 minute summer	12	5.000	27	0.0	0.000	0.000	0.0026	

Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.32%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute winter	1	30	218.710	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	2	720	218.513	0.013	0.3	0.0129	0.0000	OK
1440 minute winter	3	720	218.182	0.039	0.6	0.0391	0.0000	OK
1440 minute winter	4	720	217.579	0.030	1.3	0.0454	0.0000	OK
1440 minute winter	5	720	217.449	0.060	1.5	0.0872	0.0000	OK
1440 minute winter	6	720	217.256	0.038	2.0	0.0674	0.0000	OK
1440 minute winter	7	720	217.122	0.032	2.3	0.0376	0.0000	OK
1440 minute winter	13	720	218.679	0.015	0.3	0.0100	0.0000	OK
1440 minute winter	14	720	218.530	0.017	0.4	0.0092	0.0000	OK
1440 minute winter	20	30	218.475	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	21	630	218.400	0.009	0.1	0.0038	0.0000	OK
1440 minute winter	15	720	218.321	0.019	0.5	0.0122	0.0000	OK
1440 minute winter	16	720	218.058	0.022	0.7	0.0137	0.0000	OK
1440 minute winter	17	720	217.984	0.164	0.9	0.3444	0.0000	OK
1440 minute winter	18	720	217.516	0.027	1.3	0.0467	0.0000	OK
1440 minute winter	19	810	217.331	0.026	1.5	0.0228	0.0000	OK
1440 minute winter	8	720	217.003	0.156	4.0	0.3432	0.0000	OK
1440 minute winter	9	720	216.801	0.046	3.9	0.0418	0.0000	OK
1440 minute winter	22	30	218.616	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	23	630	217.993	0.025	0.2	0.0218	0.0000	OK
1440 minute winter	24	690	217.328	0.015	0.5	0.0136	0.0000	OK
1440 minute winter	25	690	216.288	0.042	0.9	0.0368	0.0000	OK
1440 minute winter	28	690	215.629	0.028	1.1	0.0316	0.0000	OK
1440 minute winter	26	690	216.149	0.071	1.1	0.1196	0.0000	OK
1440 minute winter	27	30	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute winter	1	1.000	2	0.0	0.000	0.000	0.0117	
1440 minute winter	2	1.001	3	0.3	0.147	0.016	0.0668	
1440 minute winter	3	Orifice	4	0.6				
1440 minute winter	4	1.003	5	1.3	0.233	0.038	0.2089	
1440 minute winter	5	Orifice	6	1.5				
1440 minute winter	6	1.005	7	2.0	0.511	0.058	0.1129	
1440 minute winter	7	1.006	8	2.3	0.254	0.045	0.4150	
1440 minute winter	13	2.000	14	0.3	0.298	0.020	0.0225	
1440 minute winter	14	2.001	15	0.4	0.331	0.027	0.0373	
1440 minute winter	20	3.000	21	0.0	0.000	0.000	0.0027	
1440 minute winter	21	3.001	15	0.1	0.135	0.007	0.0113	
1440 minute winter	15	2.002	16	0.5	0.337	0.033	0.0571	
1440 minute winter	16	2.003	17	0.7	0.213	0.047	0.3118	
1440 minute winter	17	Orifice	18	0.8				
1440 minute winter	18	2.005	19	1.3	0.487	0.030	0.0722	
1440 minute winter	19	2.006	8	1.5	0.147	0.028	0.7368	
1440 minute winter	8	Orifice	9	3.8				
1440 minute winter	9	1.008	10	3.9	0.391	0.093	0.1386	
1440 minute winter	22	4.000	23	0.0	0.000	0.000	0.0300	
1440 minute winter	23	Orifice	24	0.2				
1440 minute winter	24	4.002	25	0.5	0.568	0.020	0.0428	
1440 minute winter	25	Orifice	26	0.9				
1440 minute winter	28	4.005	OUTFALL2	1.1	0.409	0.031	0.0172	40.1
1440 minute winter	26	Hydro-Brake®	28	1.1				
1440 minute winter	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.32%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute winter	10	720	216.757	0.091	4.0	0.1849	0.0000	OK
1440 minute winter	11	720	216.669	0.058	4.0	0.0164	0.0000	OK
1440 minute winter	OUTFALL1	720	216.634	0.054	4.0	0.0000	0.0000	OK
1440 minute winter	12	30	216.563	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	OUTFALL2	690	215.597	0.026	1.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute winter	10	Hydro-Brake®	11	4.0				
1440 minute winter	11	1.010	OUTFALL1	4.0	0.674	0.277	0.0274	129.2
1440 minute winter	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute summer	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	2	1140	218.513	0.013	0.3	0.0129	0.0000	OK
2160 minute summer	3	1140	218.182	0.039	0.6	0.0390	0.0000	OK
2160 minute summer	4	1140	217.579	0.030	1.3	0.0453	0.0000	OK
2160 minute summer	5	1140	217.449	0.060	1.5	0.0863	0.0000	OK
2160 minute summer	6	1140	217.255	0.037	2.0	0.0671	0.0000	OK
2160 minute summer	7	1140	217.122	0.032	2.3	0.0374	0.0000	OK
2160 minute summer	13	1020	218.676	0.012	0.2	0.0084	0.0000	OK
2160 minute summer	14	1260	218.528	0.015	0.3	0.0079	0.0000	OK
2160 minute summer	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	21	1080	218.400	0.009	0.1	0.0038	0.0000	OK
2160 minute summer	15	1080	218.319	0.017	0.4	0.0108	0.0000	OK
2160 minute summer	16	1140	218.057	0.021	0.6	0.0128	0.0000	OK
2160 minute summer	17	1140	217.975	0.155	0.8	0.3074	0.0000	OK
2160 minute summer	18	1140	217.516	0.027	1.2	0.0462	0.0000	OK
2160 minute summer	19	1140	217.331	0.026	1.4	0.0226	0.0000	OK
2160 minute summer	8	1140	216.998	0.151	3.9	0.3248	0.0000	OK
2160 minute summer	9	1140	216.801	0.046	3.9	0.0412	0.0000	OK
2160 minute summer	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	23	1080	217.993	0.025	0.2	0.0218	0.0000	OK
2160 minute summer	24	1140	217.328	0.015	0.5	0.0136	0.0000	OK
2160 minute summer	25	1140	216.288	0.042	0.9	0.0368	0.0000	OK
2160 minute summer	28	1140	215.629	0.028	1.1	0.0316	0.0000	OK
2160 minute summer	26	1140	216.149	0.071	1.1	0.1189	0.0000	OK
2160 minute summer	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute summer	1	1.000	2	0.0	0.000	0.000	0.0117	
2160 minute summer	2	1.001	3	0.3	0.146	0.016	0.0665	
2160 minute summer	3	Orifice	4	0.6				
2160 minute summer	4	1.003	5	1.3	0.233	0.038	0.2071	
2160 minute summer	5	Orifice	6	1.5				
2160 minute summer	6	1.005	7	2.0	0.510	0.057	0.1123	
2160 minute summer	7	1.006	8	2.3	0.213	0.045	0.4015	
2160 minute summer	13	2.000	14	0.2	0.252	0.014	0.0180	
2160 minute summer	14	2.001	15	0.3	0.329	0.021	0.0320	
2160 minute summer	20	3.000	21	0.0	0.000	0.000	0.0027	
2160 minute summer	21	3.001	15	0.1	0.135	0.007	0.0103	
2160 minute summer	15	2.002	16	0.4	0.331	0.028	0.0516	
2160 minute summer	16	2.003	17	0.6	0.144	0.042	0.3098	
2160 minute summer	17	Orifice	18	0.7				
2160 minute summer	18	2.005	19	1.2	0.484	0.029	0.0712	
2160 minute summer	19	2.006	8	1.4	0.138	0.028	0.7119	
2160 minute summer	8	Orifice	9	3.8				
2160 minute summer	9	1.008	10	3.9	0.389	0.091	0.1351	
2160 minute summer	22	4.000	23	0.0	0.000	0.000	0.0300	
2160 minute summer	23	Orifice	24	0.2				
2160 minute summer	24	4.002	25	0.5	0.568	0.020	0.0427	
2160 minute summer	25	Orifice	26	0.9				
2160 minute summer	28	4.005	OUTFALL2	1.1	0.408	0.031	0.0172	34.4
2160 minute summer	26	Hydro-Brake®	28	1.1				
2160 minute summer	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute summer	10	1140	216.755	0.089	4.0	0.1797	0.0000	OK
2160 minute summer	11	1140	216.668	0.057	3.9	0.0162	0.0000	OK
2160 minute summer	OUTFALL1	1140	216.633	0.053	3.9	0.0000	0.0000	OK
2160 minute summer	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	OUTFALL2	1140	215.597	0.026	1.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute summer	10	Hydro-Brake®	11	3.9				
2160 minute summer	11	1.010	OUTFALL1	3.9	0.670	0.270	0.0269	123.3
2160 minute summer	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute winter	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	2	960	218.511	0.011	0.2	0.0104	0.0000	OK
2160 minute winter	3	1020	218.173	0.030	0.4	0.0287	0.0000	OK
2160 minute winter	4	1080	217.574	0.025	0.9	0.0382	0.0000	OK
2160 minute winter	5	1200	217.438	0.049	1.1	0.0648	0.0000	OK
2160 minute winter	6	1200	217.250	0.032	1.4	0.0544	0.0000	OK
2160 minute winter	7	1200	217.117	0.027	1.6	0.0299	0.0000	OK
2160 minute winter	13	1020	218.676	0.012	0.2	0.0084	0.0000	OK
2160 minute winter	14	1020	218.528	0.015	0.3	0.0079	0.0000	OK
2160 minute winter	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	21	1140	218.400	0.009	0.1	0.0037	0.0000	OK
2160 minute winter	15	1140	218.319	0.017	0.4	0.0106	0.0000	OK
2160 minute winter	16	1200	218.055	0.019	0.5	0.0113	0.0000	OK
2160 minute winter	17	1200	217.915	0.095	0.7	0.1339	0.0000	OK
2160 minute winter	18	1200	217.513	0.024	1.0	0.0404	0.0000	OK
2160 minute winter	19	1200	217.327	0.022	1.1	0.0188	0.0000	OK
2160 minute winter	8	1200	216.943	0.096	2.8	0.1575	0.0000	OK
2160 minute winter	9	1200	216.794	0.039	2.8	0.0335	0.0000	OK
2160 minute winter	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	23	1260	217.993	0.025	0.2	0.0218	0.0000	OK
2160 minute winter	24	1260	217.326	0.013	0.4	0.0122	0.0000	OK
2160 minute winter	25	1080	216.281	0.035	0.7	0.0311	0.0000	OK
2160 minute winter	28	1140	215.626	0.025	0.9	0.0286	0.0000	OK
2160 minute winter	26	1140	216.136	0.058	0.9	0.0942	0.0000	OK
2160 minute winter	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute winter	1	1.000	2	0.0	0.000	0.000	0.0089	
2160 minute winter	2	1.001	3	0.2	0.141	0.010	0.0464	
2160 minute winter	3	Orifice	4	0.4				
2160 minute winter	4	1.003	5	0.9	0.223	0.026	0.1574	
2160 minute winter	5	Orifice	6	1.1				
2160 minute winter	6	1.005	7	1.4	0.461	0.041	0.0879	
2160 minute winter	7	1.006	8	1.6	0.217	0.031	0.2384	
2160 minute winter	13	2.000	14	0.2	0.252	0.014	0.0181	
2160 minute winter	14	2.001	15	0.3	0.329	0.021	0.0317	
2160 minute winter	20	3.000	21	0.0	0.000	0.000	0.0026	
2160 minute winter	21	3.001	15	0.1	0.132	0.007	0.0101	
2160 minute winter	15	2.002	16	0.4	0.330	0.027	0.0472	
2160 minute winter	16	2.003	17	0.5	0.144	0.034	0.2122	
2160 minute winter	17	Orifice	18	0.6				
2160 minute winter	18	2.005	19	1.0	0.454	0.023	0.0585	
2160 minute winter	19	2.006	8	1.1	0.143	0.020	0.4198	
2160 minute winter	8	Orifice	9	2.7				
2160 minute winter	9	1.008	10	2.8	0.370	0.066	0.1035	
2160 minute winter	22	4.000	23	0.0	0.000	0.000	0.0300	
2160 minute winter	23	Orifice	24	0.2				
2160 minute winter	24	4.002	25	0.4	0.532	0.016	0.0365	
2160 minute winter	25	Orifice	26	0.7				
2160 minute winter	28	4.005	OUTFALL2	0.9	0.387	0.025	0.0148	43.6
2160 minute winter	26	Hydro-Brake®	28	0.9				
2160 minute winter	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2160 minute winter	10	1200	216.738	0.072	2.9	0.1373	0.0000	OK
2160 minute winter	11	1200	216.660	0.049	2.9	0.0137	0.0000	OK
2160 minute winter	OUTFALL1	1200	216.625	0.045	2.9	0.0000	0.0000	OK
2160 minute winter	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	OUTFALL2	1140	215.595	0.023	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2160 minute winter	10	Hydro-Brake®	11	2.9				
2160 minute winter	11	1.010	OUTFALL1	2.9	0.619	0.200	0.0215	140.7
2160 minute winter	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.31%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute summer	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	2	1380	218.511	0.011	0.2	0.0104	0.0000	OK
2880 minute summer	3	1440	218.173	0.030	0.4	0.0287	0.0000	OK
2880 minute summer	4	1500	217.575	0.026	1.0	0.0401	0.0000	OK
2880 minute summer	5	1500	217.441	0.052	1.2	0.0700	0.0000	OK
2880 minute summer	6	1500	217.252	0.034	1.6	0.0588	0.0000	OK
2880 minute summer	7	1500	217.119	0.029	1.8	0.0320	0.0000	OK
2880 minute summer	13	1440	218.676	0.012	0.2	0.0084	0.0000	OK
2880 minute summer	14	1560	218.528	0.015	0.3	0.0079	0.0000	OK
2880 minute summer	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	21	1500	218.400	0.009	0.1	0.0037	0.0000	OK
2880 minute summer	15	1500	218.319	0.017	0.4	0.0107	0.0000	OK
2880 minute summer	16	1500	218.055	0.019	0.5	0.0114	0.0000	OK
2880 minute summer	17	1500	217.932	0.112	0.7	0.1742	0.0000	OK
2880 minute summer	18	1500	217.513	0.024	1.0	0.0414	0.0000	OK
2880 minute summer	19	1500	217.329	0.024	1.2	0.0204	0.0000	OK
2880 minute summer	8	1500	216.961	0.114	3.2	0.2054	0.0000	OK
2880 minute summer	9	1500	216.797	0.042	3.2	0.0364	0.0000	OK
2880 minute summer	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	23	1440	217.993	0.025	0.2	0.0218	0.0000	OK
2880 minute summer	24	1500	217.328	0.015	0.5	0.0136	0.0000	OK
2880 minute summer	25	1500	216.288	0.041	0.9	0.0368	0.0000	OK
2880 minute summer	28	1500	215.629	0.028	1.1	0.0315	0.0000	OK
2880 minute summer	26	1500	216.149	0.070	1.1	0.1181	0.0000	OK
2880 minute summer	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute summer	1	1.000	2	0.0	0.000	0.000	0.0089	
2880 minute summer	2	1.001	3	0.2	0.141	0.010	0.0464	
2880 minute summer	3	Orifice	4	0.4				
2880 minute summer	4	1.003	5	1.0	0.227	0.029	0.1699	
2880 minute summer	5	Orifice	6	1.2				
2880 minute summer	6	1.005	7	1.6	0.480	0.046	0.0957	
2880 minute summer	7	1.006	8	1.8	0.217	0.035	0.2916	
2880 minute summer	13	2.000	14	0.2	0.252	0.014	0.0180	
2880 minute summer	14	2.001	15	0.3	0.328	0.021	0.0319	
2880 minute summer	20	3.000	21	0.0	0.000	0.000	0.0027	
2880 minute summer	21	3.001	15	0.1	0.134	0.007	0.0103	
2880 minute summer	15	2.002	16	0.4	0.331	0.027	0.0478	
2880 minute summer	16	2.003	17	0.5	0.144	0.034	0.2503	
2880 minute summer	17	Orifice	18	0.6				
2880 minute summer	18	2.005	19	1.0	0.452	0.024	0.0623	
2880 minute summer	19	2.006	8	1.2	0.141	0.023	0.5167	
2880 minute summer	8	Orifice	9	3.1				
2880 minute summer	9	1.008	10	3.2	0.382	0.075	0.1138	
2880 minute summer	22	4.000	23	0.0	0.000	0.000	0.0300	
2880 minute summer	23	Orifice	24	0.2				
2880 minute summer	24	4.002	25	0.5	0.567	0.020	0.0427	
2880 minute summer	25	Orifice	26	0.9				
2880 minute summer	28	4.005	OUTFALL2	1.1	0.408	0.030	0.0171	35.8
2880 minute summer	26	Hydro-Brake®	28	1.1				
2880 minute summer	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.31%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute summer	10	1500	216.743	0.077	3.3	0.1502	0.0000	OK
2880 minute summer	11	1500	216.663	0.052	3.3	0.0147	0.0000	OK
2880 minute summer	OUTFALL1	1500	216.628	0.048	3.3	0.0000	0.0000	OK
2880 minute summer	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	OUTFALL2	1500	215.597	0.026	1.1	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute summer	10	Hydro-Brake®	11	3.3				
2880 minute summer	11	1.010	OUTFALL1	3.3	0.639	0.225	0.0235	127.1
2880 minute summer	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	2	1380	218.511	0.011	0.2	0.0104	0.0000	OK
2880 minute winter	3	1620	218.173	0.030	0.4	0.0287	0.0000	OK
2880 minute winter	4	1620	217.573	0.024	0.8	0.0360	0.0000	OK
2880 minute winter	5	1620	217.432	0.043	0.9	0.0536	0.0000	OK
2880 minute winter	6	1380	217.247	0.029	1.2	0.0496	0.0000	OK
2880 minute winter	7	1620	217.116	0.026	1.4	0.0275	0.0000	OK
2880 minute winter	13	1620	218.676	0.012	0.2	0.0083	0.0000	OK
2880 minute winter	14	1620	218.528	0.015	0.3	0.0078	0.0000	OK
2880 minute winter	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	21	60	218.391	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	15	1620	218.317	0.014	0.3	0.0084	0.0000	OK
2880 minute winter	16	1620	218.053	0.017	0.4	0.0096	0.0000	OK
2880 minute winter	17	1620	217.880	0.060	0.5	0.0663	0.0000	OK
2880 minute winter	18	1620	217.510	0.021	0.7	0.0345	0.0000	OK
2880 minute winter	19	1620	217.325	0.020	0.8	0.0162	0.0000	OK
2880 minute winter	8	1620	216.925	0.078	2.3	0.1142	0.0000	OK
2880 minute winter	9	1620	216.791	0.036	2.4	0.0299	0.0000	OK
2880 minute winter	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	23	1020	217.984	0.016	0.1	0.0134	0.0000	OK
2880 minute winter	24	1320	217.325	0.012	0.3	0.0106	0.0000	OK
2880 minute winter	25	1620	216.278	0.032	0.6	0.0280	0.0000	OK
2880 minute winter	28	1620	215.623	0.022	0.7	0.0252	0.0000	OK
2880 minute winter	26	1620	216.125	0.047	0.7	0.0745	0.0000	OK
2880 minute winter	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	1	1.000	2	0.0	0.000	0.000	0.0089	
2880 minute winter	2	1.001	3	0.2	0.143	0.010	0.0464	
2880 minute winter	3	Orifice	4	0.4				
2880 minute winter	4	1.003	5	0.8	0.222	0.023	0.1341	
2880 minute winter	5	Orifice	6	0.9				
2880 minute winter	6	1.005	7	1.2	0.438	0.035	0.0792	
2880 minute winter	7	1.006	8	1.4	0.226	0.027	0.1850	
2880 minute winter	13	2.000	14	0.2	0.250	0.014	0.0177	
2880 minute winter	14	2.001	15	0.3	0.328	0.020	0.0278	
2880 minute winter	20	3.000	21	0.0	0.000	0.000	0.0000	
2880 minute winter	21	3.001	15	0.0	0.000	0.000	0.0058	
2880 minute winter	15	2.002	16	0.3	0.291	0.019	0.0382	
2880 minute winter	16	2.003	17	0.4	0.144	0.026	0.1237	
2880 minute winter	17	Orifice	18	0.4				
2880 minute winter	18	2.005	19	0.7	0.414	0.017	0.0481	
2880 minute winter	19	2.006	8	0.8	0.150	0.016	0.3199	
2880 minute winter	8	Orifice	9	2.3				
2880 minute winter	9	1.008	10	2.4	0.363	0.056	0.0885	
2880 minute winter	22	4.000	23	0.0	0.000	0.000	0.0153	
2880 minute winter	23	Orifice	24	0.1				
2880 minute winter	24	4.002	25	0.3	0.485	0.012	0.0300	
2880 minute winter	25	Orifice	26	0.6				
2880 minute winter	28	4.005	OUTFALL2	0.7	0.357	0.019	0.0123	42.7
2880 minute winter	26	Hydro-Brake®	28	0.7				
2880 minute winter	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
2880 minute winter	10	1620	216.730	0.064	2.4	0.1176	0.0000	OK
2880 minute winter	11	1620	216.654	0.043	2.4	0.0122	0.0000	OK
2880 minute winter	OUTFALL1	1620	216.621	0.041	2.4	0.0000	0.0000	OK
2880 minute winter	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	OUTFALL2	1620	215.592	0.021	0.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
2880 minute winter	10	Hydro-Brake®	11	2.4				
2880 minute winter	11	1.010	OUTFALL1	2.4	0.585	0.161	0.0184	153.9
2880 minute winter	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute summer	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	2	2160	218.511	0.011	0.2	0.0104	0.0000	OK
4320 minute summer	3	2280	218.173	0.030	0.4	0.0287	0.0000	OK
4320 minute summer	4	2280	217.573	0.024	0.8	0.0361	0.0000	OK
4320 minute summer	5	2280	217.432	0.043	0.9	0.0536	0.0000	OK
4320 minute summer	6	2280	217.247	0.029	1.2	0.0496	0.0000	OK
4320 minute summer	7	2280	217.116	0.026	1.4	0.0275	0.0000	OK
4320 minute summer	13	2220	218.676	0.012	0.2	0.0083	0.0000	OK
4320 minute summer	14	2220	218.528	0.015	0.3	0.0078	0.0000	OK
4320 minute summer	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	21	60	218.391	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	15	2220	218.316	0.014	0.3	0.0084	0.0000	OK
4320 minute summer	16	2280	218.053	0.017	0.4	0.0097	0.0000	OK
4320 minute summer	17	2280	217.881	0.061	0.5	0.0686	0.0000	OK
4320 minute summer	18	2280	217.510	0.021	0.7	0.0347	0.0000	OK
4320 minute summer	19	2280	217.325	0.020	0.8	0.0163	0.0000	OK
4320 minute summer	8	2280	216.926	0.079	2.3	0.1174	0.0000	OK
4320 minute summer	9	2280	216.791	0.036	2.4	0.0302	0.0000	OK
4320 minute summer	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	23	2220	217.991	0.023	0.2	0.0202	0.0000	OK
4320 minute summer	24	2220	217.326	0.013	0.4	0.0118	0.0000	OK
4320 minute summer	25	2220	216.280	0.034	0.7	0.0301	0.0000	OK
4320 minute summer	28	2220	215.624	0.023	0.7	0.0262	0.0000	OK
4320 minute summer	26	2220	216.128	0.050	0.8	0.0795	0.0000	OK
4320 minute summer	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute summer	1	1.000	2	0.0	0.000	0.000	0.0089	
4320 minute summer	2	1.001	3	0.2	0.141	0.010	0.0464	
4320 minute summer	3	Orifice	4	0.4				
4320 minute summer	4	1.003	5	0.8	0.223	0.023	0.1341	
4320 minute summer	5	Orifice	6	0.9				
4320 minute summer	6	1.005	7	1.2	0.436	0.035	0.0793	
4320 minute summer	7	1.006	8	1.4	0.228	0.027	0.1889	
4320 minute summer	13	2.000	14	0.2	0.250	0.013	0.0177	
4320 minute summer	14	2.001	15	0.3	0.328	0.020	0.0277	
4320 minute summer	20	3.000	21	0.0	0.000	0.000	0.0000	
4320 minute summer	21	3.001	15	0.0	0.000	0.000	0.0058	
4320 minute summer	15	2.002	16	0.3	0.290	0.019	0.0380	
4320 minute summer	16	2.003	17	0.4	0.144	0.026	0.1272	
4320 minute summer	17	Orifice	18	0.4				
4320 minute summer	18	2.005	19	0.7	0.415	0.017	0.0483	
4320 minute summer	19	2.006	8	0.8	0.149	0.016	0.3272	
4320 minute summer	8	Orifice	9	2.3				
4320 minute summer	9	1.008	10	2.4	0.363	0.057	0.0915	
4320 minute summer	22	4.000	23	0.0	0.000	0.000	0.0271	
4320 minute summer	23	Orifice	24	0.2				
4320 minute summer	24	4.002	25	0.4	0.520	0.015	0.0347	
4320 minute summer	25	Orifice	26	0.7				
4320 minute summer	28	4.005	OUTFALL2	0.7	0.366	0.021	0.0130	37.3
4320 minute summer	26	Hydro-Brake®	28	0.7				
4320 minute summer	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute summer	10	2220	216.732	0.066	2.5	0.1223	0.0000	OK
4320 minute summer	11	2220	216.656	0.045	2.5	0.0126	0.0000	OK
4320 minute summer	OUTFALL1	2220	216.622	0.042	2.5	0.0000	0.0000	OK
4320 minute summer	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	OUTFALL2	2220	215.593	0.022	0.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute summer	10	Hydro-Brake®	11	2.5				
4320 minute summer	11	1.010	OUTFALL1	2.5	0.594	0.170	0.0192	128.5
4320 minute summer	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 2 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 98.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	1	60	218.710	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	2	1440	218.508	0.008	0.1	0.0073	0.0000	OK
4320 minute winter	3	1440	218.162	0.019	0.2	0.0172	0.0000	OK
4320 minute winter	4	2340	217.568	0.019	0.5	0.0289	0.0000	OK
4320 minute winter	5	2520	217.422	0.033	0.6	0.0369	0.0000	OK
4320 minute winter	6	2520	217.242	0.024	0.8	0.0395	0.0000	OK
4320 minute winter	7	2520	217.111	0.021	0.9	0.0210	0.0000	OK
4320 minute winter	13	2640	218.673	0.009	0.1	0.0061	0.0000	OK
4320 minute winter	14	2220	218.525	0.012	0.2	0.0062	0.0000	OK
4320 minute winter	20	60	218.475	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	21	60	218.391	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	15	2460	218.314	0.012	0.2	0.0062	0.0000	OK
4320 minute winter	16	2520	218.050	0.014	0.3	0.0079	0.0000	OK
4320 minute winter	17	2580	217.863	0.042	0.4	0.0406	0.0000	OK
4320 minute winter	18	2580	217.507	0.018	0.5	0.0293	0.0000	OK
4320 minute winter	19	2580	217.323	0.017	0.6	0.0140	0.0000	OK
4320 minute winter	8	2520	216.907	0.060	1.6	0.0780	0.0000	OK
4320 minute winter	9	2520	216.786	0.031	1.7	0.0243	0.0000	OK
4320 minute winter	22	60	218.616	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	23	1740	217.984	0.016	0.1	0.0134	0.0000	OK
4320 minute winter	24	1740	217.323	0.010	0.2	0.0088	0.0000	OK
4320 minute winter	25	1860	216.270	0.024	0.4	0.0214	0.0000	OK
4320 minute winter	28	2100	215.620	0.019	0.5	0.0217	0.0000	OK
4320 minute winter	26	2100	216.116	0.038	0.5	0.0589	0.0000	OK
4320 minute winter	27	60	216.494	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	1	1.000	2	0.0	0.000	0.000	0.0055	
4320 minute winter	2	1.001	3	0.1	0.132	0.005	0.0246	
4320 minute winter	3	Orifice	4	0.2				
4320 minute winter	4	1.003	5	0.5	0.210	0.015	0.0924	
4320 minute winter	5	Orifice	6	0.6				
4320 minute winter	6	1.005	7	0.8	0.390	0.023	0.0591	
4320 minute winter	7	1.006	8	0.9	0.228	0.018	0.1306	
4320 minute winter	13	2.000	14	0.1	0.235	0.007	0.0125	
4320 minute winter	14	2.001	15	0.2	0.294	0.013	0.0206	
4320 minute winter	20	3.000	21	0.0	0.000	0.000	0.0000	
4320 minute winter	21	3.001	15	0.0	0.000	0.000	0.0042	
4320 minute winter	15	2.002	16	0.2	0.242	0.012	0.0291	
4320 minute winter	16	2.003	17	0.3	0.144	0.018	0.0780	
4320 minute winter	17	Orifice	18	0.3				
4320 minute winter	18	2.005	19	0.5	0.371	0.013	0.0395	
4320 minute winter	19	2.006	8	0.6	0.140	0.012	0.2287	
4320 minute winter	8	Orifice	9	1.6				
4320 minute winter	9	1.008	10	1.7	0.334	0.040	0.0688	
4320 minute winter	22	4.000	23	0.0	0.000	0.000	0.0153	
4320 minute winter	23	Orifice	24	0.1				
4320 minute winter	24	4.002	25	0.2	0.429	0.008	0.0227	
4320 minute winter	25	Orifice	26	0.4				
4320 minute winter	28	4.005	OUTFALL2	0.5	0.331	0.014	0.0097	45.6
4320 minute winter	26	Hydro-Brake®	28	0.5				
4320 minute winter	27	5.001	26	0.0	0.000	0.000	0.0000	

Results for 2 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 98.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
4320 minute winter	10	2520	216.719	0.053	1.7	0.0936	0.0000	OK
4320 minute winter	11	2520	216.647	0.036	1.7	0.0103	0.0000	OK
4320 minute winter	OUTFALL1	2520	216.614	0.034	1.7	0.0000	0.0000	OK
4320 minute winter	12	60	216.563	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	OUTFALL2	2100	215.588	0.017	0.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
4320 minute winter	10	Hydro-Brake®	11	1.7				
4320 minute winter	11	1.010	OUTFALL1	1.7	0.534	0.116	0.0145	155.3
4320 minute winter	12	5.000	27	0.0	0.000	0.000	0.0000	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	14	218.796	0.086	2.6	0.0242	0.0000	OK
15 minute summer	2	15	218.787	0.287	9.0	0.8957	0.0000	SURCHARGED
15 minute summer	3	15	218.780	0.637	14.4	2.2295	0.0000	SURCHARGED
15 minute summer	4	18	218.177	0.628	24.8	4.3138	0.0000	SURCHARGED
15 minute summer	5	18	218.171	0.782	18.3	4.0867	0.0000	SURCHARGED
15 minute summer	6	20	217.735	0.517	20.9	2.8151	0.0000	SURCHARGED
15 minute summer	7	20	217.730	0.639	26.2	2.7209	0.0000	SURCHARGED
15 minute summer	13	10	218.742	0.078	7.8	0.0526	0.0000	OK
15 minute summer	14	10	218.610	0.097	11.0	0.1075	0.0000	OK
15 minute summer	20	18	218.590	0.115	2.0	0.0343	0.0000	OK
15 minute summer	21	18	218.586	0.195	2.7	0.2666	0.0000	SURCHARGED
15 minute summer	15	19	218.586	0.284	14.8	1.0969	0.0000	SURCHARGED
15 minute summer	16	18	218.584	0.548	15.3	2.2633	0.0000	SURCHARGED
15 minute summer	17	17	218.582	0.762	11.7	3.5891	0.0000	SURCHARGED
15 minute summer	18	21	217.726	0.237	16.6	0.7998	0.0000	SURCHARGED
15 minute summer	19	20	217.726	0.421	22.3	1.3632	0.0000	SURCHARGED
15 minute summer	8	20	217.725	0.877	33.0	7.3770	0.0000	SURCHARGED
15 minute summer	9	35	217.176	0.421	12.0	0.7398	0.0000	SURCHARGED
15 minute summer	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
15 minute summer	23	15	218.501	0.533	7.2	1.3095	0.0000	SURCHARGED
15 minute summer	24	10	217.382	0.069	11.1	0.0723	0.0000	OK
15 minute summer	25	14	217.228	0.982	24.1	3.9151	0.0000	SURCHARGED
15 minute summer	28	171	215.634	0.033	1.6	0.0376	0.0000	OK
15 minute summer	26	34	216.880	0.802	15.0	7.1175	0.0000	SURCHARGED
15 minute summer	27	34	216.880	0.386	4.6	0.7252	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	-2.6	-0.184	-0.180	0.4406	
15 minute summer	2	1.001	3	6.4	0.444	0.332	0.5317	
15 minute summer	3	Orifice	4	4.4				
15 minute summer	4	1.003	5	11.8	0.464	0.341	1.4353	
15 minute summer	5	Orifice	6	6.8				
15 minute summer	6	1.005	7	18.5	0.831	0.537	1.1469	
15 minute summer	7	1.006	8	15.8	0.515	0.310	1.0030	
15 minute summer	13	2.000	14	7.7	0.723	0.534	0.2411	
15 minute summer	14	2.001	15	10.9	0.819	0.751	0.4680	
15 minute summer	20	3.000	21	-1.7	0.217	-0.117	0.2013	
15 minute summer	21	3.001	15	2.6	0.315	0.182	0.2363	
15 minute summer	15	2.002	16	10.5	0.710	0.727	0.7028	
15 minute summer	16	2.003	17	6.8	0.448	0.469	0.5717	
15 minute summer	17	Orifice	18	1.7				
15 minute summer	18	2.005	19	16.4	0.943	0.388	1.0970	
15 minute summer	19	2.006	8	18.4	0.572	0.356	1.8341	
15 minute summer	8	Orifice	9	8.3				
15 minute summer	9	1.008	10	10.1	0.459	0.238	0.5293	
15 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
15 minute summer	23	Orifice	24	1.8				
15 minute summer	24	4.002	25	10.9	0.742	0.429	0.6177	
15 minute summer	25	Orifice	26	8.4				
15 minute summer	28	4.005	OUTFALL2	1.6	0.446	0.044	0.0224	16.3
15 minute summer	26	Hydro-Brake®	28	1.6				
15 minute summer	27	5.001	26	-4.2	-0.263	-0.308	1.0194	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute summer	10	35	217.171	0.505	12.5	1.4638	0.0000	SURCHARGED
15 minute summer	11	78	216.702	0.091	8.5	0.0257	0.0000	OK
15 minute summer	OUTFALL1	78	216.662	0.082	8.5	0.0000	0.0000	OK
15 minute summer	12	34	216.880	0.317	1.5	0.0898	0.0000	SURCHARGED
15 minute summer	OUTFALL2	171	215.603	0.031	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute summer	10	Hydro-Brake®	11	8.5				
15 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	55.0
15 minute summer	12	5.000	27	-1.5	-0.208	-0.109	0.2066	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.39%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	15	218.840	0.130	3.1	0.0368	0.0000	OK
15 minute winter	2	16	218.839	0.339	10.1	1.1258	0.0000	SURCHARGED
15 minute winter	3	15	218.836	0.692	12.9	2.5005	0.0000	SURCHARGED
15 minute winter	4	18	218.243	0.694	25.9	5.1136	0.0000	SURCHARGED
15 minute winter	5	18	218.238	0.849	19.8	4.6829	0.0000	FLOOD RISK
15 minute winter	6	20	217.806	0.588	21.7	3.3407	0.0000	SURCHARGED
15 minute winter	7	20	217.800	0.710	21.9	3.0927	0.0000	SURCHARGED
15 minute winter	13	10	218.744	0.080	8.2	0.0543	0.0000	OK
15 minute winter	14	18	218.640	0.127	11.6	0.1675	0.0000	OK
15 minute winter	20	17	218.642	0.167	1.3	0.0498	0.0000	SURCHARGED
15 minute winter	21	18	218.641	0.250	5.4	0.3709	0.0000	SURCHARGED
15 minute winter	15	19	218.640	0.338	15.7	1.4028	0.0000	SURCHARGED
15 minute winter	16	18	218.637	0.601	15.5	2.5753	0.0000	SURCHARGED
15 minute winter	17	18	218.635	0.815	11.7	3.8868	0.0000	SURCHARGED
15 minute winter	18	22	217.797	0.308	17.5	1.2963	0.0000	SURCHARGED
15 minute winter	19	21	217.796	0.491	23.8	1.7141	0.0000	SURCHARGED
15 minute winter	8	20	217.796	0.949	37.0	8.2182	0.0000	SURCHARGED
15 minute winter	9	53	217.337	0.582	12.3	1.1736	0.0000	SURCHARGED
15 minute winter	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
15 minute winter	23	15	218.551	0.583	7.6	1.5284	0.0000	SURCHARGED
15 minute winter	24	10	217.384	0.071	11.7	0.0747	0.0000	OK
15 minute winter	25	15	217.317	1.071	25.2	4.6366	0.0000	SURCHARGED
15 minute winter	28	36	215.634	0.033	1.6	0.0377	0.0000	OK
15 minute winter	26	35	216.954	0.876	15.4	8.0355	0.0000	SURCHARGED
15 minute winter	27	36	216.954	0.460	5.3	0.8878	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	1.000	2	-3.1	-0.238	-0.214	0.5323	
15 minute winter	2	1.001	3	6.0	0.428	0.310	0.5317	
15 minute winter	3	Orifice	4	4.5				
15 minute winter	4	1.003	5	13.4	0.473	0.389	1.4353	
15 minute winter	5	Orifice	6	6.9				
15 minute winter	6	1.005	7	15.3	0.798	0.445	1.1469	
15 minute winter	7	1.006	8	14.1	0.537	0.276	1.0030	
15 minute winter	13	2.000	14	8.1	0.733	0.558	0.2487	
15 minute winter	14	2.001	15	11.4	0.816	0.787	0.5302	
15 minute winter	20	3.000	21	-0.9	0.213	-0.064	0.2211	
15 minute winter	21	3.001	15	2.7	0.313	0.190	0.2363	
15 minute winter	15	2.002	16	10.8	0.739	0.750	0.7028	
15 minute winter	16	2.003	17	5.8	0.399	0.403	0.5717	
15 minute winter	17	Orifice	18	1.8				
15 minute winter	18	2.005	19	17.5	0.947	0.414	1.0970	
15 minute winter	19	2.006	8	19.4	0.599	0.375	1.8341	
15 minute winter	8	Orifice	9	8.4				
15 minute winter	9	1.008	10	10.3	0.473	0.242	0.5293	
15 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
15 minute winter	23	Orifice	24	1.9				
15 minute winter	24	4.002	25	11.5	0.772	0.450	0.6248	
15 minute winter	25	Orifice	26	8.7				
15 minute winter	28	4.005	OUTFALL2	1.6	0.447	0.044	0.0225	18.3
15 minute winter	26	Hydro-Brake®	28	1.6				
15 minute winter	27	5.001	26	-4.6	-0.282	-0.337	1.0194	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.39%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	10	53	217.333	0.667	12.7	2.0787	0.0000	FLOOD RISK
15 minute winter	11	101	216.702	0.091	8.5	0.0257	0.0000	OK
15 minute winter	OUTFALL1	101	216.662	0.082	8.5	0.0000	0.0000	OK
15 minute winter	12	35	216.954	0.391	2.0	0.1107	0.0000	SURCHARGED
15 minute winter	OUTFALL2	36	215.603	0.032	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	10	Hydro-Brake®	11	8.5				
15 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	61.6
15 minute winter	12	5.000	27	-2.0	-0.166	-0.149	0.2066	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	1	23	218.836	0.126	3.3	0.0356	0.0000	OK
30 minute summer	2	24	218.833	0.333	8.9	1.0990	0.0000	SURCHARGED
30 minute summer	3	23	218.828	0.685	11.1	2.4642	0.0000	SURCHARGED
30 minute summer	4	30	218.274	0.725	23.7	5.4966	0.0000	SURCHARGED
30 minute summer	5	31	218.269	0.880	17.0	5.5888	0.0000	FLOOD RISK
30 minute summer	6	41	217.860	0.642	19.8	3.7371	0.0000	SURCHARGED
30 minute summer	7	44	217.855	0.765	19.4	3.3805	0.0000	SURCHARGED
30 minute summer	13	18	218.740	0.075	7.3	0.0509	0.0000	OK
30 minute summer	14	32	218.698	0.185	10.4	0.3388	0.0000	SURCHARGED
30 minute summer	20	31	218.698	0.223	1.9	0.0668	0.0000	SURCHARGED
30 minute summer	21	32	218.699	0.307	5.5	0.4876	0.0000	SURCHARGED
30 minute summer	15	32	218.697	0.395	13.6	1.7622	0.0000	SURCHARGED
30 minute summer	16	32	218.696	0.660	13.0	2.9162	0.0000	SURCHARGED
30 minute summer	17	31	218.693	0.873	9.7	4.2185	0.0000	SURCHARGED
30 minute summer	18	46	217.852	0.363	15.9	1.7586	0.0000	SURCHARGED
30 minute summer	19	46	217.852	0.547	21.1	1.9876	0.0000	SURCHARGED
30 minute summer	8	46	217.851	1.004	26.2	11.9646	0.0000	FLOOD RISK
30 minute summer	9	68	217.385	0.630	11.9	1.3029	0.0000	SURCHARGED
30 minute summer	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
30 minute summer	23	23	218.555	0.587	6.7	1.5450	0.0000	SURCHARGED
30 minute summer	24	18	217.381	0.068	10.7	0.0711	0.0000	OK
30 minute summer	25	23	217.325	1.079	22.9	4.7021	0.0000	SURCHARGED
30 minute summer	28	48	215.635	0.034	1.6	0.0386	0.0000	OK
30 minute summer	26	47	217.052	0.974	13.8	9.2562	0.0000	SURCHARGED
30 minute summer	27	47	217.053	0.559	5.3	1.6108	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	1.000	2	-3.3	-0.220	-0.225	0.5252	
30 minute summer	2	1.001	3	4.9	0.362	0.255	0.5317	
30 minute summer	3	Orifice	4	4.4				
30 minute summer	4	1.003	5	11.4	0.432	0.332	1.4353	
30 minute summer	5	Orifice	6	6.7				
30 minute summer	6	1.005	7	12.8	0.732	0.371	1.1469	
30 minute summer	7	1.006	8	12.8	0.465	0.251	1.0030	
30 minute summer	13	2.000	14	7.3	0.719	0.506	0.2376	
30 minute summer	14	2.001	15	10.3	0.784	0.713	0.5573	
30 minute summer	20	3.000	21	-1.4	0.212	-0.094	0.2211	
30 minute summer	21	3.001	15	-2.9	0.297	-0.200	0.2363	
30 minute summer	15	2.002	16	8.9	0.592	0.613	0.7028	
30 minute summer	16	2.003	17	4.1	0.275	0.282	0.5717	
30 minute summer	17	Orifice	18	1.8				
30 minute summer	18	2.005	19	15.5	0.878	0.366	1.0970	
30 minute summer	19	2.006	8	12.7	0.416	0.245	1.8341	
30 minute summer	8	Orifice	9	8.4				
30 minute summer	9	1.008	10	10.0	0.431	0.236	0.5293	
30 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
30 minute summer	23	Orifice	24	1.9				
30 minute summer	24	4.002	25	10.6	0.772	0.418	0.6140	
30 minute summer	25	Orifice	26	8.5				
30 minute summer	28	4.005	OUTFALL2	1.6	0.454	0.046	0.0233	22.3
30 minute summer	26	Hydro-Brake®	28	1.6				
30 minute summer	27	5.001	26	-4.5	-0.270	-0.329	1.0194	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute summer	10	68	217.381	0.715	12.2	2.6355	0.0000	FLOOD RISK
30 minute summer	11	135	216.702	0.091	8.5	0.0257	0.0000	OK
30 minute summer	OUTFALL1	135	216.662	0.082	8.5	0.0000	0.0000	OK
30 minute summer	12	48	217.053	0.490	2.3	0.1386	0.0000	SURCHARGED
30 minute summer	OUTFALL2	48	215.603	0.032	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute summer	10	Hydro-Brake®	11	8.5				
30 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	74.8
30 minute summer	12	5.000	27	-2.3	-0.216	-0.168	0.2066	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute winter	1	25	218.899	0.189	3.1	0.0535	0.0000	SURCHARGED
30 minute winter	2	25	218.900	0.400	7.1	1.4326	0.0000	SURCHARGED
30 minute winter	3	25	218.894	0.751	10.0	2.7892	0.0000	FLOOD RISK
30 minute winter	4	30	218.308	0.759	21.9	5.9543	0.0000	SURCHARGED
30 minute winter	5	32	218.303	0.914	15.4	7.1532	0.0000	FLOOD RISK
30 minute winter	6	52	217.883	0.665	18.6	5.1449	0.0000	FLOOD RISK
30 minute winter	7	54	217.878	0.788	18.3	3.5013	0.0000	SURCHARGED
30 minute winter	13	32	218.765	0.100	6.6	0.0678	0.0000	OK
30 minute winter	14	32	218.765	0.252	9.4	0.5338	0.0000	SURCHARGED
30 minute winter	20	31	218.765	0.290	2.7	0.0867	0.0000	SURCHARGED
30 minute winter	21	32	218.765	0.374	3.5	0.6220	0.0000	SURCHARGED
30 minute winter	15	32	218.764	0.462	11.5	2.1946	0.0000	SURCHARGED
30 minute winter	16	32	218.763	0.727	11.9	3.3045	0.0000	SURCHARGED
30 minute winter	17	32	218.760	0.940	8.6	4.5974	0.0000	SURCHARGED
30 minute winter	18	56	217.875	0.386	14.5	1.9425	0.0000	SURCHARGED
30 minute winter	19	56	217.875	0.570	19.3	2.1029	0.0000	SURCHARGED
30 minute winter	8	56	217.874	1.027	25.9	14.1703	0.0000	FLOOD RISK
30 minute winter	9	74	217.404	0.649	11.7	1.3546	0.0000	SURCHARGED
30 minute winter	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
30 minute winter	23	25	218.589	0.621	6.1	1.8057	0.0000	FLOOD RISK
30 minute winter	24	25	217.429	0.116	9.8	0.1349	0.0000	OK
30 minute winter	25	25	217.402	1.156	21.0	5.2829	0.0000	SURCHARGED
30 minute winter	28	50	215.636	0.035	1.7	0.0393	0.0000	OK
30 minute winter	26	50	217.123	1.045	13.2	10.1335	0.0000	SURCHARGED
30 minute winter	27	50	217.123	0.629	5.3	2.3613	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute winter	1	1.000	2	-3.1	-0.238	-0.215	0.5543	
30 minute winter	2	1.001	3	4.6	0.342	0.239	0.5317	
30 minute winter	3	Orifice	4	4.4				
30 minute winter	4	1.003	5	12.1	0.442	0.353	1.4353	
30 minute winter	5	Orifice	6	6.7				
30 minute winter	6	1.005	7	11.6	0.746	0.336	1.1469	
30 minute winter	7	1.006	8	14.3	0.478	0.280	1.0030	
30 minute winter	13	2.000	14	6.6	0.703	0.457	0.3408	
30 minute winter	14	2.001	15	9.3	0.752	0.646	0.5573	
30 minute winter	20	3.000	21	-2.2	0.199	-0.149	0.2211	
30 minute winter	21	3.001	15	2.0	0.277	0.141	0.2363	
30 minute winter	15	2.002	16	8.5	0.616	0.585	0.7028	
30 minute winter	16	2.003	17	4.3	0.311	0.300	0.5717	
30 minute winter	17	Orifice	18	1.9				
30 minute winter	18	2.005	19	14.2	0.847	0.335	1.0970	
30 minute winter	19	2.006	8	12.4	0.406	0.239	1.8341	
30 minute winter	8	Orifice	9	8.5				
30 minute winter	9	1.008	10	9.8	0.446	0.232	0.5293	
30 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
30 minute winter	23	Orifice	24	2.0				
30 minute winter	24	4.002	25	9.8	0.740	0.385	0.7824	
30 minute winter	25	Orifice	26	8.4				
30 minute winter	28	4.005	OUTFALL2	1.7	0.458	0.048	0.0238	24.2
30 minute winter	26	Hydro-Brake®	28	1.7				
30 minute winter	27	5.001	26	-4.3	-0.256	-0.319	1.0194	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute winter	10	74	217.400	0.734	11.8	2.8597	0.0000	FLOOD RISK
30 minute winter	11	155	216.702	0.091	8.5	0.0257	0.0000	OK
30 minute winter	OUTFALL1	155	216.662	0.082	8.5	0.0000	0.0000	OK
30 minute winter	12	50	217.123	0.560	2.1	0.1585	0.0000	SURCHARGED
30 minute winter	OUTFALL2	50	215.604	0.033	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute winter	10	Hydro-Brake [®]	11	8.5				
30 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	83.8
30 minute winter	12	5.000	27	-2.1	-0.226	-0.156	0.2066	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	1	41	218.836	0.126	2.3	0.0357	0.0000	OK
60 minute summer	2	41	218.836	0.336	6.1	1.1113	0.0000	SURCHARGED
60 minute summer	3	40	218.831	0.688	8.6	2.4785	0.0000	SURCHARGED
60 minute summer	4	51	218.299	0.750	19.4	5.8295	0.0000	SURCHARGED
60 minute summer	5	52	218.294	0.905	13.3	6.7302	0.0000	FLOOD RISK
60 minute summer	6	75	217.898	0.680	16.5	7.7980	0.0000	FLOOD RISK
60 minute summer	7	76	217.894	0.804	15.1	3.5831	0.0000	SURCHARGED
60 minute summer	13	60	218.784	0.120	5.7	0.0807	0.0000	OK
60 minute summer	14	61	218.783	0.270	8.1	0.5904	0.0000	SURCHARGED
60 minute summer	20	60	218.783	0.308	1.8	0.0920	0.0000	SURCHARGED
60 minute summer	21	60	218.783	0.392	4.2	0.6590	0.0000	SURCHARGED
60 minute summer	15	60	218.783	0.481	9.4	2.3120	0.0000	SURCHARGED
60 minute summer	16	60	218.781	0.745	8.5	3.4134	0.0000	SURCHARGED
60 minute summer	17	60	218.779	0.959	6.5	4.7028	0.0000	SURCHARGED
60 minute summer	18	61	217.892	0.403	12.9	2.0730	0.0000	SURCHARGED
60 minute summer	19	61	217.891	0.586	15.8	2.1834	0.0000	SURCHARGED
60 minute summer	8	64	217.890	1.043	24.9	15.6999	0.0000	FLOOD RISK
60 minute summer	9	64	217.425	0.670	11.4	1.4110	0.0000	SURCHARGED
60 minute summer	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
60 minute summer	23	40	218.560	0.592	5.2	1.5680	0.0000	SURCHARGED
60 minute summer	24	41	217.390	0.077	8.7	0.0830	0.0000	OK
60 minute summer	25	41	217.365	1.119	18.3	5.0083	0.0000	SURCHARGED
60 minute summer	28	71	215.636	0.035	1.8	0.0398	0.0000	OK
60 minute summer	26	71	217.193	1.115	12.1	11.0019	0.0000	SURCHARGED
60 minute summer	27	70	217.193	0.699	4.5	3.1079	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	1.000	2	-2.3	-0.169	-0.157	0.5260	
60 minute summer	2	1.001	3	4.1	0.309	0.213	0.5317	
60 minute summer	3	Orifice	4	4.3				
60 minute summer	4	1.003	5	10.3	0.381	0.299	1.4353	
60 minute summer	5	Orifice	6	6.4				
60 minute summer	6	1.005	7	11.0	0.665	0.320	1.1469	
60 minute summer	7	1.006	8	13.6	0.430	0.267	1.0030	
60 minute summer	13	2.000	14	5.7	0.679	0.395	0.3693	
60 minute summer	14	2.001	15	8.1	0.690	0.557	0.5573	
60 minute summer	20	3.000	21	-1.4	0.187	-0.098	0.2211	
60 minute summer	21	3.001	15	-2.7	0.254	-0.185	0.2363	
60 minute summer	15	2.002	16	5.9	0.502	0.405	0.7028	
60 minute summer	16	2.003	17	2.9	0.215	0.199	0.5717	
60 minute summer	17	Orifice	18	1.9				
60 minute summer	18	2.005	19	11.7	0.770	0.277	1.0970	
60 minute summer	19	2.006	8	9.1	0.354	0.176	1.8341	
60 minute summer	8	Orifice	9	8.4				
60 minute summer	9	1.008	10	9.8	0.415	0.231	0.5293	
60 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
60 minute summer	23	Orifice	24	1.9				
60 minute summer	24	4.002	25	8.7	0.785	0.340	0.6492	
60 minute summer	25	Orifice	26	7.8				
60 minute summer	28	4.005	OUTFALL2	1.8	0.462	0.049	0.0243	27.2
60 minute summer	26	Hydro-Brake®	28	1.8				
60 minute summer	27	5.001	26	-3.6	-0.207	-0.265	1.0194	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	10	64	217.421	0.755	11.5	3.1064	0.0000	FLOOD RISK
60 minute summer	11	31	216.702	0.091	8.5	0.0257	0.0000	OK
60 minute summer	OUTFALL1	189	216.662	0.082	8.5	0.0000	0.0000	OK
60 minute summer	12	71	217.193	0.630	1.3	0.1783	0.0000	SURCHARGED
60 minute summer	OUTFALL2	71	215.604	0.033	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute summer	10	Hydro-Brake®	11	8.5				
60 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	97.8
60 minute summer	12	5.000	27	-1.3	-0.182	-0.099	0.2066	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	1	44	218.884	0.174	1.8	0.0492	0.0000	SURCHARGED
60 minute winter	2	44	218.883	0.383	5.0	1.3483	0.0000	SURCHARGED
60 minute winter	3	44	218.878	0.735	7.2	2.7107	0.0000	SURCHARGED
60 minute winter	4	57	218.338	0.789	16.6	6.3671	0.0000	SURCHARGED
60 minute winter	5	57	218.333	0.944	14.7	8.6177	0.0000	FLOOD RISK
60 minute winter	6	83	217.913	0.695	14.5	11.7718	0.0000	FLOOD RISK
60 minute winter	7	84	217.909	0.819	15.6	3.6618	0.0000	SURCHARGED
60 minute winter	13	59	218.873	0.209	4.6	0.1412	0.0000	SURCHARGED
60 minute winter	14	59	218.873	0.360	6.5	0.8909	0.0000	SURCHARGED
60 minute winter	20	59	218.872	0.397	1.2	0.1188	0.0000	SURCHARGED
60 minute winter	21	59	218.872	0.481	2.6	0.8413	0.0000	SURCHARGED
60 minute winter	15	59	218.872	0.570	7.3	2.8863	0.0000	SURCHARGED
60 minute winter	16	59	218.871	0.835	7.5	3.9339	0.0000	SURCHARGED
60 minute winter	17	59	218.868	1.048	5.7	5.2069	0.0000	SURCHARGED
60 minute winter	18	59	217.908	0.419	10.7	2.1940	0.0000	SURCHARGED
60 minute winter	19	60	217.907	0.602	12.6	2.2619	0.0000	SURCHARGED
60 minute winter	8	62	217.906	1.058	27.5	17.1594	0.0000	FLOOD RISK
60 minute winter	9	61	217.450	0.695	10.9	1.4778	0.0000	SURCHARGED
60 minute winter	22	1	218.616	0.000	0.0	0.0000	0.0000	OK
60 minute winter	23	43	218.583	0.615	4.2	1.7261	0.0000	FLOOD RISK
60 minute winter	24	44	217.464	0.151	7.4	0.1898	0.0000	SURCHARGED
60 minute winter	25	46	217.437	1.191	15.2	5.7370	0.0000	FLOOD RISK
60 minute winter	28	74	215.637	0.036	1.8	0.0405	0.0000	OK
60 minute winter	26	74	217.282	1.204	10.9	12.1177	0.0000	SURCHARGED
60 minute winter	27	74	217.283	0.789	3.7	4.0622	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute winter	1	1.000	2	-1.8	-0.151	-0.124	0.5543	
60 minute winter	2	1.001	3	3.4	0.263	0.178	0.5317	
60 minute winter	3	Orifice	4	4.3				
60 minute winter	4	1.003	5	11.4	0.394	0.332	1.4353	
60 minute winter	5	Orifice	6	6.5				
60 minute winter	6	1.005	7	11.3	0.677	0.327	1.1469	
60 minute winter	7	1.006	8	14.3	0.422	0.280	1.0030	
60 minute winter	13	2.000	14	4.6	0.643	0.318	0.3981	
60 minute winter	14	2.001	15	6.4	0.658	0.442	0.5573	
60 minute winter	20	3.000	21	-0.8	0.180	-0.054	0.2211	
60 minute winter	21	3.001	15	-1.4	0.235	-0.097	0.2363	
60 minute winter	15	2.002	16	5.5	0.521	0.379	0.7028	
60 minute winter	16	2.003	17	2.8	0.228	0.197	0.5717	
60 minute winter	17	Orifice	18	2.0				
60 minute winter	18	2.005	19	9.4	0.760	0.223	1.0970	
60 minute winter	19	2.006	8	10.4	0.343	0.201	1.8341	
60 minute winter	8	Orifice	9	8.5				
60 minute winter	9	1.008	10	9.3	0.423	0.220	0.5293	
60 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
60 minute winter	23	Orifice	24	2.0				
60 minute winter	24	4.002	25	7.4	0.781	0.291	0.8544	
60 minute winter	25	Orifice	26	7.4				
60 minute winter	28	4.005	OUTFALL2	1.8	0.466	0.051	0.0249	27.8
60 minute winter	26	Hydro-Brake®	28	1.8				
60 minute winter	27	5.001	26	-3.2	0.189	-0.237	1.0194	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	10	61	217.446	0.780	10.6	3.4025	0.0000	FLOOD RISK
60 minute winter	11	214	216.702	0.091	8.5	0.0257	0.0000	OK
60 minute winter	OUTFALL1	214	216.662	0.082	8.5	0.0000	0.0000	OK
60 minute winter	12	74	217.283	0.720	1.3	0.2037	0.0000	SURCHARGED
60 minute winter	OUTFALL2	74	215.605	0.034	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
60 minute winter	10	Hydro-Brake®	11	8.5				
60 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	109.7
60 minute winter	12	5.000	27	-1.3	-0.166	-0.095	0.2066	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	1	74	218.743	0.033	0.4	0.0093	0.0000	OK
120 minute summer	2	74	218.743	0.243	3.9	0.6983	0.0000	SURCHARGED
120 minute summer	3	74	218.738	0.595	6.1	2.0240	0.0000	SURCHARGED
120 minute summer	4	84	218.286	0.737	13.7	5.6554	0.0000	SURCHARGED
120 minute summer	5	84	218.282	0.892	10.1	6.1265	0.0000	FLOOD RISK
120 minute summer	6	124	217.908	0.690	12.5	10.1475	0.0000	FLOOD RISK
120 minute summer	7	122	217.904	0.814	12.4	3.6381	0.0000	SURCHARGED
120 minute summer	13	90	218.786	0.121	3.7	0.0820	0.0000	OK
120 minute summer	14	92	218.785	0.272	5.2	0.5956	0.0000	SURCHARGED
120 minute summer	20	90	218.784	0.309	1.2	0.0925	0.0000	SURCHARGED
120 minute summer	21	90	218.784	0.393	1.9	0.6623	0.0000	SURCHARGED
120 minute summer	15	92	218.785	0.482	5.7	2.3241	0.0000	SURCHARGED
120 minute summer	16	92	218.783	0.747	5.4	3.4214	0.0000	SURCHARGED
120 minute summer	17	90	218.780	0.960	4.5	4.7099	0.0000	SURCHARGED
120 minute summer	18	120	217.904	0.415	8.9	2.1606	0.0000	SURCHARGED
120 minute summer	19	120	217.903	0.598	10.5	2.2429	0.0000	SURCHARGED
120 minute summer	8	122	217.902	1.055	21.1	16.7947	0.0000	FLOOD RISK
120 minute summer	9	122	217.441	0.686	10.4	1.4555	0.0000	SURCHARGED
120 minute summer	22	2	218.616	0.000	0.0	0.0000	0.0000	OK
120 minute summer	23	72	218.473	0.505	3.4	1.1909	0.0000	SURCHARGED
120 minute summer	24	64	217.363	0.050	6.1	0.0506	0.0000	OK
120 minute summer	25	78	217.311	1.065	12.3	4.5854	0.0000	SURCHARGED
120 minute summer	28	122	215.637	0.036	1.8	0.0402	0.0000	OK
120 minute summer	26	122	217.236	1.158	9.4	11.5397	0.0000	SURCHARGED
120 minute summer	27	122	217.236	0.742	2.9	3.5645	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	1.000	2	-0.4	-0.031	-0.024	0.3217	
120 minute summer	2	1.001	3	3.0	0.233	0.154	0.5317	
120 minute summer	3	Orifice	4	4.1				
120 minute summer	4	1.003	5	8.0	0.330	0.232	1.4353	
120 minute summer	5	Orifice	6	6.3				
120 minute summer	6	1.005	7	9.8	0.617	0.283	1.1469	
120 minute summer	7	1.006	8	11.7	0.369	0.229	1.0030	
120 minute summer	13	2.000	14	3.7	0.608	0.256	0.3718	
120 minute summer	14	2.001	15	5.0	0.598	0.345	0.5573	
120 minute summer	20	3.000	21	-0.9	0.158	-0.059	0.2211	
120 minute summer	21	3.001	15	1.0	0.237	0.067	0.2363	
120 minute summer	15	2.002	16	3.9	0.427	0.270	0.7028	
120 minute summer	16	2.003	17	2.3	0.186	0.162	0.5717	
120 minute summer	17	Orifice	18	1.9				
120 minute summer	18	2.005	19	7.9	0.692	0.186	1.0970	
120 minute summer	19	2.006	8	7.6	0.318	0.147	1.8341	
120 minute summer	8	Orifice	9	8.5				
120 minute summer	9	1.008	10	9.5	0.402	0.223	0.5293	
120 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
120 minute summer	23	Orifice	24	1.8				
120 minute summer	24	4.002	25	6.1	0.744	0.239	0.5516	
120 minute summer	25	Orifice	26	6.5				
120 minute summer	28	4.005	OUTFALL2	1.8	0.464	0.050	0.0246	32.9
120 minute summer	26	Hydro-Brake®	28	1.8				
120 minute summer	27	5.001	26	-2.6	0.192	-0.191	1.0194	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	10	122	217.437	0.771	10.5	3.2991	0.0000	FLOOD RISK
120 minute summer	11	242	216.702	0.091	8.5	0.0257	0.0000	OK
120 minute summer	OUTFALL1	242	216.662	0.082	8.5	0.0000	0.0000	OK
120 minute summer	12	122	217.236	0.673	1.2	0.1904	0.0000	SURCHARGED
120 minute summer	OUTFALL2	122	215.605	0.034	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute summer	10	Hydro-Brake®	11	8.5				
120 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	118.1
120 minute summer	12	5.000	27	-1.2	-0.099	-0.086	0.2066	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	1	78	218.730	0.020	0.2	0.0058	0.0000	OK
120 minute winter	2	78	218.730	0.230	3.0	0.6414	0.0000	SURCHARGED
120 minute winter	3	78	218.727	0.583	5.3	1.9674	0.0000	SURCHARGED
120 minute winter	4	90	218.316	0.767	11.4	6.0592	0.0000	SURCHARGED
120 minute winter	5	90	218.311	0.922	10.3	7.5492	0.0000	FLOOD RISK
120 minute winter	6	128	217.924	0.706	10.8	15.6160	0.0000	FLOOD RISK
120 minute winter	7	122	217.921	0.831	12.4	3.7250	0.0000	SURCHARGED
120 minute winter	13	98	218.873	0.209	2.8	0.1411	0.0000	SURCHARGED
120 minute winter	14	98	218.873	0.360	4.0	0.8897	0.0000	SURCHARGED
120 minute winter	20	98	218.872	0.397	0.8	0.1187	0.0000	SURCHARGED
120 minute winter	21	98	218.872	0.481	1.2	0.8405	0.0000	SURCHARGED
120 minute winter	15	98	218.872	0.570	4.4	2.8844	0.0000	SURCHARGED
120 minute winter	16	98	218.870	0.834	4.7	3.9312	0.0000	SURCHARGED
120 minute winter	17	98	218.868	1.048	3.7	5.2060	0.0000	SURCHARGED
120 minute winter	18	118	217.920	0.431	7.2	2.2899	0.0000	SURCHARGED
120 minute winter	19	118	217.920	0.615	8.3	2.3266	0.0000	SURCHARGED
120 minute winter	8	120	217.918	1.071	21.2	18.3652	0.0000	FLOOD RISK
120 minute winter	9	114	217.467	0.712	9.9	1.5230	0.0000	SURCHARGED
120 minute winter	22	2	218.616	0.000	0.0	0.0000	0.0000	OK
120 minute winter	23	76	218.456	0.488	2.6	1.1265	0.0000	SURCHARGED
120 minute winter	24	88	217.416	0.103	5.1	0.1160	0.0000	OK
120 minute winter	25	88	217.405	1.159	9.9	5.3031	0.0000	FLOOD RISK
120 minute winter	28	122	215.637	0.036	1.9	0.0411	0.0000	OK
120 minute winter	26	122	217.354	1.276	8.0	13.0099	0.0000	SURCHARGED
120 minute winter	27	122	217.355	0.861	3.0	4.8301	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	1.000	2	-0.2	-0.019	-0.014	0.2997	
120 minute winter	2	1.001	3	2.6	0.209	0.137	0.5317	
120 minute winter	3	Orifice	4	3.9				
120 minute winter	4	1.003	5	8.3	0.311	0.242	1.4353	
120 minute winter	5	Orifice	6	6.3				
120 minute winter	6	1.005	7	9.7	0.624	0.281	1.1469	
120 minute winter	7	1.006	8	11.6	0.358	0.228	1.0030	
120 minute winter	13	2.000	14	2.8	0.560	0.194	0.3981	
120 minute winter	14	2.001	15	3.9	0.570	0.268	0.5573	
120 minute winter	20	3.000	21	-0.6	0.168	-0.038	0.2211	
120 minute winter	21	3.001	15	0.8	0.226	0.055	0.2363	
120 minute winter	15	2.002	16	3.5	0.449	0.245	0.7028	
120 minute winter	16	2.003	17	2.0	0.203	0.141	0.5717	
120 minute winter	17	Orifice	18	2.0				
120 minute winter	18	2.005	19	6.3	0.684	0.148	1.0970	
120 minute winter	19	2.006	8	7.7	0.297	0.149	1.8341	
120 minute winter	8	Orifice	9	8.4				
120 minute winter	9	1.008	10	9.0	0.403	0.213	0.5293	
120 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
120 minute winter	23	Orifice	24	1.8				
120 minute winter	24	4.002	25	5.1	0.747	0.200	0.7391	
120 minute winter	25	Orifice	26	5.7				
120 minute winter	28	4.005	OUTFALL2	1.9	0.469	0.052	0.0254	33.7
120 minute winter	26	Hydro-Brake®	28	1.9				
120 minute winter	27	5.001	26	-2.7	0.192	-0.199	1.0194	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	10	114	217.463	0.797	9.8	3.5970	0.0000	FLOOD RISK
120 minute winter	11	270	216.702	0.091	8.5	0.0257	0.0000	OK
120 minute winter	OUTFALL1	270	216.662	0.082	8.5	0.0000	0.0000	OK
120 minute winter	12	122	217.355	0.792	0.7	0.2240	0.0000	FLOOD RISK
120 minute winter	OUTFALL2	122	215.605	0.034	1.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute winter	10	Hydro-Brake®	11	8.5				
120 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	132.0
120 minute winter	12	5.000	27	-0.7	-0.094	-0.053	0.2066	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute summer	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
180 minute summer	2	108	218.652	0.152	2.9	0.3051	0.0000	SURCHARGED
180 minute summer	3	108	218.649	0.506	4.9	1.5873	0.0000	SURCHARGED
180 minute summer	4	120	218.267	0.718	11.0	5.4057	0.0000	SURCHARGED
180 minute summer	5	120	218.262	0.873	8.8	5.3578	0.0000	FLOOD RISK
180 minute summer	6	160	217.905	0.687	10.6	9.5762	0.0000	FLOOD RISK
180 minute summer	7	164	217.903	0.813	10.7	3.6298	0.0000	SURCHARGED
180 minute summer	13	124	218.767	0.103	2.7	0.0694	0.0000	OK
180 minute summer	14	124	218.767	0.254	3.9	0.5399	0.0000	SURCHARGED
180 minute summer	20	124	218.766	0.291	0.4	0.0870	0.0000	SURCHARGED
180 minute summer	21	124	218.766	0.375	1.5	0.6249	0.0000	SURCHARGED
180 minute summer	15	124	218.766	0.464	4.3	2.2056	0.0000	SURCHARGED
180 minute summer	16	124	218.764	0.728	4.5	3.3149	0.0000	SURCHARGED
180 minute summer	17	124	218.762	0.942	3.6	4.6071	0.0000	SURCHARGED
180 minute summer	18	164	217.902	0.413	7.0	2.1509	0.0000	SURCHARGED
180 minute summer	19	164	217.902	0.597	7.7	2.2371	0.0000	SURCHARGED
180 minute summer	8	164	217.900	1.053	17.0	16.6636	0.0000	FLOOD RISK
180 minute summer	9	164	217.443	0.688	9.9	1.4610	0.0000	SURCHARGED
180 minute summer	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
180 minute summer	23	104	218.389	0.421	2.5	0.8767	0.0000	SURCHARGED
180 minute summer	24	96	217.358	0.045	4.9	0.0446	0.0000	OK
180 minute summer	25	116	217.269	1.023	9.5	4.2389	0.0000	SURCHARGED
180 minute summer	28	156	215.637	0.035	1.8	0.0401	0.0000	OK
180 minute summer	26	156	217.227	1.149	7.8	11.4295	0.0000	SURCHARGED
180 minute summer	27	156	217.227	0.733	2.5	3.4693	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute summer	1	1.000	2	0.0	0.000	0.000	0.2772	
180 minute summer	2	1.001	3	2.4	0.196	0.125	0.5317	
180 minute summer	3	Orifice	4	3.8				
180 minute summer	4	1.003	5	6.6	0.327	0.193	1.4353	
180 minute summer	5	Orifice	6	6.1				
180 minute summer	6	1.005	7	8.5	0.602	0.247	1.1469	
180 minute summer	7	1.006	8	10.0	0.374	0.195	1.0030	
180 minute summer	13	2.000	14	2.7	0.552	0.187	0.3446	
180 minute summer	14	2.001	15	3.8	0.563	0.261	0.5573	
180 minute summer	20	3.000	21	0.2	0.157	0.014	0.2211	
180 minute summer	21	3.001	15	0.7	0.210	0.052	0.2363	
180 minute summer	15	2.002	16	3.3	0.409	0.227	0.7028	
180 minute summer	16	2.003	17	2.1	0.179	0.143	0.5717	
180 minute summer	17	Orifice	18	1.9				
180 minute summer	18	2.005	19	5.9	0.676	0.140	1.0970	
180 minute summer	19	2.006	8	5.6	0.275	0.108	1.8341	
180 minute summer	8	Orifice	9	8.4				
180 minute summer	9	1.008	10	9.0	0.395	0.211	0.5293	
180 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
180 minute summer	23	Orifice	24	1.6				
180 minute summer	24	4.002	25	4.9	0.746	0.192	0.5336	
180 minute summer	25	Orifice	26	5.6				
180 minute summer	28	4.005	OUTFALL2	1.8	0.464	0.050	0.0245	37.8
180 minute summer	26	Hydro-Brake®	28	1.8				
180 minute summer	27	5.001	26	-2.3	-0.129	-0.167	1.0194	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute summer	10	164	217.439	0.773	9.8	3.3229	0.0000	FLOOD RISK
180 minute summer	11	284	216.702	0.091	8.5	0.0257	0.0000	OK
180 minute summer	OUTFALL1	284	216.662	0.082	8.5	0.0000	0.0000	OK
180 minute summer	12	156	217.227	0.664	0.7	0.1880	0.0000	SURCHARGED
180 minute summer	OUTFALL2	156	215.605	0.034	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute summer	10	Hydro-Brake®	11	8.5				
180 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	131.8
180 minute summer	12	5.000	27	-0.7	-0.109	-0.049	0.2066	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
180 minute winter	2	112	218.618	0.118	2.3	0.2034	0.0000	OK
180 minute winter	3	112	218.616	0.473	4.4	1.4388	0.0000	SURCHARGED
180 minute winter	4	128	218.289	0.740	9.3	5.6960	0.0000	SURCHARGED
180 minute winter	5	128	218.285	0.896	8.4	6.2967	0.0000	FLOOD RISK
180 minute winter	6	176	217.925	0.707	9.3	15.7612	0.0000	FLOOD RISK
180 minute winter	7	176	217.922	0.832	10.5	3.7325	0.0000	SURCHARGED
180 minute winter	13	136	218.857	0.193	2.1	0.1303	0.0000	SURCHARGED
180 minute winter	14	136	218.857	0.344	3.0	0.8356	0.0000	SURCHARGED
180 minute winter	20	136	218.856	0.381	0.5	0.1139	0.0000	SURCHARGED
180 minute winter	21	136	218.856	0.465	1.3	0.8079	0.0000	SURCHARGED
180 minute winter	15	136	218.856	0.554	3.3	2.7806	0.0000	SURCHARGED
180 minute winter	16	136	218.854	0.818	3.4	3.8381	0.0000	SURCHARGED
180 minute winter	17	136	218.852	1.032	3.1	5.1139	0.0000	SURCHARGED
180 minute winter	18	172	217.922	0.433	5.9	2.3019	0.0000	SURCHARGED
180 minute winter	19	172	217.921	0.616	6.7	2.3351	0.0000	SURCHARGED
180 minute winter	8	172	217.920	1.073	17.6	18.5262	0.0000	FLOOD RISK
180 minute winter	9	144	217.465	0.710	9.5	1.5194	0.0000	SURCHARGED
180 minute winter	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
180 minute winter	23	108	218.351	0.383	1.9	0.7503	0.0000	SURCHARGED
180 minute winter	24	132	217.382	0.068	4.0	0.0722	0.0000	OK
180 minute winter	25	136	217.376	1.130	7.6	5.0887	0.0000	SURCHARGED
180 minute winter	28	168	215.637	0.036	1.9	0.0410	0.0000	OK
180 minute winter	26	168	217.348	1.270	6.5	12.9332	0.0000	SURCHARGED
180 minute winter	27	168	217.348	0.854	2.5	4.7583	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	1.000	2	0.0	0.000	0.000	0.2341	
180 minute winter	2	1.001	3	2.2	0.190	0.112	0.4904	
180 minute winter	3	Orifice	4	3.6				
180 minute winter	4	1.003	5	6.9	0.309	0.200	1.4353	
180 minute winter	5	Orifice	6	6.1				
180 minute winter	6	1.005	7	8.4	0.612	0.243	1.1469	
180 minute winter	7	1.006	8	9.9	0.364	0.193	1.0030	
180 minute winter	13	2.000	14	2.1	0.510	0.145	0.3981	
180 minute winter	14	2.001	15	2.9	0.523	0.198	0.5573	
180 minute winter	20	3.000	21	-0.3	0.153	-0.018	0.2211	
180 minute winter	21	3.001	15	-0.8	0.186	-0.055	0.2363	
180 minute winter	15	2.002	16	2.6	0.409	0.178	0.7028	
180 minute winter	16	2.003	17	1.9	0.189	0.129	0.5717	
180 minute winter	17	Orifice	18	1.9				
180 minute winter	18	2.005	19	5.2	0.667	0.123	1.0970	
180 minute winter	19	2.006	8	6.2	0.258	0.120	1.8341	
180 minute winter	8	Orifice	9	8.4				
180 minute winter	9	1.008	10	8.9	0.402	0.210	0.5293	
180 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
180 minute winter	23	Orifice	24	1.5				
180 minute winter	24	4.002	25	4.0	0.727	0.159	0.6173	
180 minute winter	25	Orifice	26	4.8				
180 minute winter	28	4.005	OUTFALL2	1.9	0.469	0.052	0.0254	39.0
180 minute winter	26	Hydro-Brake®	28	1.9				
180 minute winter	27	5.001	26	-2.2	0.182	-0.165	1.0194	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
180 minute winter	10	144	217.461	0.795	9.5	3.5807	0.0000	FLOOD RISK
180 minute winter	11	84	216.702	0.091	8.5	0.0257	0.0000	OK
180 minute winter	OUTFALL1	84	216.662	0.082	8.5	0.0000	0.0000	OK
180 minute winter	12	168	217.348	0.785	0.7	0.2222	0.0000	FLOOD RISK
180 minute winter	OUTFALL2	168	215.605	0.034	1.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
180 minute winter	10	Hydro-Brake®	11	8.5				
180 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	147.8
180 minute winter	12	5.000	27	-0.7	-0.078	-0.048	0.2066	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
240 minute summer	2	136	218.587	0.087	2.5	0.1300	0.0000	OK
240 minute summer	3	136	218.584	0.441	4.6	1.3029	0.0000	SURCHARGED
240 minute summer	4	152	218.245	0.696	9.6	5.1415	0.0000	SURCHARGED
240 minute summer	5	152	218.241	0.852	8.0	4.7505	0.0000	FLOOD RISK
240 minute summer	6	188	217.901	0.683	9.7	8.5894	0.0000	FLOOD RISK
240 minute summer	7	192	217.899	0.809	9.5	3.6104	0.0000	SURCHARGED
240 minute summer	13	160	218.756	0.092	2.3	0.0621	0.0000	OK
240 minute summer	14	160	218.756	0.243	3.3	0.5091	0.0000	SURCHARGED
240 minute summer	20	160	218.755	0.280	0.5	0.0838	0.0000	SURCHARGED
240 minute summer	21	160	218.755	0.364	1.0	0.6029	0.0000	SURCHARGED
240 minute summer	15	160	218.755	0.453	3.7	2.1349	0.0000	SURCHARGED
240 minute summer	16	160	218.754	0.718	3.4	3.2531	0.0000	SURCHARGED
240 minute summer	17	160	218.751	0.931	3.2	4.5474	0.0000	SURCHARGED
240 minute summer	18	192	217.898	0.409	6.2	2.1224	0.0000	SURCHARGED
240 minute summer	19	192	217.898	0.593	6.5	2.2177	0.0000	SURCHARGED
240 minute summer	8	192	217.896	1.049	15.1	16.2910	0.0000	FLOOD RISK
240 minute summer	9	196	217.442	0.687	9.6	1.4570	0.0000	SURCHARGED
240 minute summer	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
240 minute summer	23	136	218.336	0.368	2.1	0.7016	0.0000	SURCHARGED
240 minute summer	24	128	217.354	0.041	4.2	0.0407	0.0000	OK
240 minute summer	25	160	217.250	1.004	8.0	4.0896	0.0000	SURCHARGED
240 minute summer	28	188	215.636	0.035	1.8	0.0401	0.0000	OK
240 minute summer	26	188	217.220	1.142	6.9	11.3441	0.0000	SURCHARGED
240 minute summer	27	188	217.220	0.726	2.1	3.3954	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	1	1.000	2	0.0	0.000	0.000	0.1657	
240 minute summer	2	1.001	3	2.3	0.182	0.116	0.4248	
240 minute summer	3	Orifice	4	3.6				
240 minute summer	4	1.003	5	6.2	0.288	0.180	1.4353	
240 minute summer	5	Orifice	6	6.0				
240 minute summer	6	1.005	7	7.8	0.613	0.227	1.1469	
240 minute summer	7	1.006	8	9.0	0.353	0.177	1.0030	
240 minute summer	13	2.000	14	2.3	0.529	0.158	0.3271	
240 minute summer	14	2.001	15	3.3	0.529	0.226	0.5573	
240 minute summer	20	3.000	21	-0.3	0.153	-0.024	0.2211	
240 minute summer	21	3.001	15	0.6	0.255	0.040	0.2363	
240 minute summer	15	2.002	16	2.6	0.409	0.178	0.7028	
240 minute summer	16	2.003	17	1.9	0.154	0.129	0.5717	
240 minute summer	17	Orifice	18	1.9				
240 minute summer	18	2.005	19	5.1	0.664	0.121	1.0970	
240 minute summer	19	2.006	8	5.0	0.300	0.096	1.8341	
240 minute summer	8	Orifice	9	8.4				
240 minute summer	9	1.008	10	8.9	0.394	0.211	0.5293	
240 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
240 minute summer	23	Orifice	24	1.5				
240 minute summer	24	4.002	25	4.2	0.724	0.163	0.5219	
240 minute summer	25	Orifice	26	5.0				
240 minute summer	28	4.005	OUTFALL2	1.8	0.463	0.050	0.0245	42.4
240 minute summer	26	Hydro-Brake®	28	1.8				
240 minute summer	27	5.001	26	-1.9	-0.109	-0.141	1.0194	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	10	196	217.438	0.772	9.6	3.3050	0.0000	FLOOD RISK
240 minute summer	11	324	216.702	0.091	8.5	0.0257	0.0000	OK
240 minute summer	OUTFALL1	324	216.662	0.082	8.5	0.0000	0.0000	OK
240 minute summer	12	188	217.220	0.657	0.8	0.1860	0.0000	SURCHARGED
240 minute summer	OUTFALL2	188	215.605	0.033	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	10	Hydro-Brake®	11	8.5				
240 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	142.9
240 minute summer	12	5.000	27	-0.8	-0.095	-0.055	0.2066	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	1	4	218.710	0.000	0.0	0.0000	0.0000	OK
240 minute winter	2	124	218.532	0.032	1.9	0.0355	0.0000	OK
240 minute winter	3	140	218.528	0.385	3.8	1.0661	0.0000	SURCHARGED
240 minute winter	4	160	218.259	0.710	7.9	5.3109	0.0000	SURCHARGED
240 minute winter	5	160	218.255	0.866	6.9	5.1170	0.0000	FLOOD RISK
240 minute winter	6	204	217.920	0.702	8.4	14.0723	0.0000	FLOOD RISK
240 minute winter	7	204	217.918	0.828	9.3	3.7092	0.0000	SURCHARGED
240 minute winter	13	172	218.820	0.156	1.7	0.1056	0.0000	SURCHARGED
240 minute winter	14	172	218.820	0.307	2.4	0.7094	0.0000	SURCHARGED
240 minute winter	20	172	218.819	0.344	0.3	0.1030	0.0000	SURCHARGED
240 minute winter	21	172	218.819	0.428	0.8	0.7334	0.0000	SURCHARGED
240 minute winter	15	176	218.819	0.517	2.9	2.5465	0.0000	SURCHARGED
240 minute winter	16	172	218.818	0.782	3.1	3.6255	0.0000	SURCHARGED
240 minute winter	17	172	218.815	0.995	2.6	4.9077	0.0000	SURCHARGED
240 minute winter	18	208	217.917	0.428	5.1	2.2675	0.0000	SURCHARGED
240 minute winter	19	208	217.917	0.612	5.7	2.3112	0.0000	SURCHARGED
240 minute winter	8	204	217.915	1.068	15.4	18.0830	0.0000	FLOOD RISK
240 minute winter	9	180	217.466	0.710	9.3	1.5200	0.0000	SURCHARGED
240 minute winter	22	4	218.616	0.000	0.0	0.0000	0.0000	OK
240 minute winter	23	140	218.279	0.311	1.6	0.5356	0.0000	SURCHARGED
240 minute winter	24	176	217.363	0.050	3.4	0.0503	0.0000	OK
240 minute winter	25	180	217.359	1.113	6.3	4.9596	0.0000	SURCHARGED
240 minute winter	28	200	215.637	0.036	1.8	0.0409	0.0000	OK
240 minute winter	26	200	217.332	1.254	5.5	12.7301	0.0000	SURCHARGED
240 minute winter	27	200	217.332	0.838	2.0	4.5834	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	1.000	2	0.0	0.000	0.000	0.0424	
240 minute winter	2	1.001	3	1.9	0.169	0.097	0.3066	
240 minute winter	3	Orifice	4	3.4				
240 minute winter	4	1.003	5	5.8	0.271	0.169	1.4353	
240 minute winter	5	Orifice	6	5.9				
240 minute winter	6	1.005	7	7.6	0.604	0.222	1.1469	
240 minute winter	7	1.006	8	8.8	0.327	0.173	1.0030	
240 minute winter	13	2.000	14	1.7	0.487	0.118	0.3981	
240 minute winter	14	2.001	15	2.4	0.504	0.164	0.5573	
240 minute winter	20	3.000	21	-0.2	0.153	-0.014	0.2211	
240 minute winter	21	3.001	15	0.5	0.180	0.035	0.2363	
240 minute winter	15	2.002	16	2.3	0.403	0.158	0.7028	
240 minute winter	16	2.003	17	1.6	0.178	0.111	0.5717	
240 minute winter	17	Orifice	18	1.9				
240 minute winter	18	2.005	19	4.4	0.641	0.105	1.0970	
240 minute winter	19	2.006	8	5.4	0.214	0.105	1.8341	
240 minute winter	8	Orifice	9	8.4				
240 minute winter	9	1.008	10	8.8	0.396	0.207	0.5293	
240 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
240 minute winter	23	Orifice	24	1.4				
240 minute winter	24	4.002	25	3.4	0.750	0.135	0.5506	
240 minute winter	25	Orifice	26	4.2				
240 minute winter	28	4.005	OUTFALL2	1.8	0.469	0.052	0.0253	44.0
240 minute winter	26	Hydro-Brake®	28	1.8				
240 minute winter	27	5.001	26	-1.8	-0.102	-0.132	1.0194	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute winter	10	180	217.461	0.795	9.3	3.5832	0.0000	FLOOD RISK
240 minute winter	11	112	216.702	0.091	8.5	0.0257	0.0000	OK
240 minute winter	OUTFALL1	112	216.662	0.082	8.5	0.0000	0.0000	OK
240 minute winter	12	200	217.332	0.768	0.4	0.2175	0.0000	FLOOD RISK
240 minute winter	OUTFALL2	200	215.605	0.034	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute winter	10	Hydro-Brake®	11	8.5				
240 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	160.2
240 minute winter	12	5.000	27	-0.4	-0.044	-0.033	0.2066	

Results for 30 year 360 minute summer. 600 minute analysis at 8 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
360 minute summer	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
360 minute summer	2	184	218.532	0.032	1.9	0.0355	0.0000	OK
360 minute summer	3	192	218.502	0.359	3.8	0.9478	0.0000	SURCHARGED
360 minute summer	4	216	218.175	0.626	7.9	4.2869	0.0000	SURCHARGED
360 minute summer	5	216	218.171	0.782	7.1	4.0862	0.0000	SURCHARGED
360 minute summer	6	248	217.893	0.675	8.4	6.7023	0.0000	FLOOD RISK
360 minute summer	7	256	217.890	0.800	8.3	3.5647	0.0000	SURCHARGED
360 minute summer	13	232	218.709	0.045	1.8	0.0306	0.0000	OK
360 minute summer	14	232	218.709	0.196	2.6	0.3699	0.0000	SURCHARGED
360 minute summer	20	232	218.709	0.234	0.3	0.0698	0.0000	SURCHARGED
360 minute summer	21	232	218.709	0.318	1.1	0.5081	0.0000	SURCHARGED
360 minute summer	15	232	218.709	0.407	2.9	1.8374	0.0000	SURCHARGED
360 minute summer	16	232	218.707	0.671	3.1	2.9813	0.0000	SURCHARGED
360 minute summer	17	232	218.705	0.885	2.7	4.2842	0.0000	SURCHARGED
360 minute summer	18	248	217.890	0.401	5.1	2.0571	0.0000	SURCHARGED
360 minute summer	19	256	217.889	0.584	5.7	2.1742	0.0000	SURCHARGED
360 minute summer	8	256	217.888	1.041	13.3	15.4874	0.0000	FLOOD RISK
360 minute summer	9	256	217.437	0.682	9.3	1.4446	0.0000	SURCHARGED
360 minute summer	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
360 minute summer	23	192	218.243	0.275	1.6	0.4402	0.0000	SURCHARGED
360 minute summer	24	184	217.350	0.037	3.4	0.0364	0.0000	OK
360 minute summer	25	240	217.214	0.968	6.4	3.8063	0.0000	SURCHARGED
360 minute summer	28	256	215.636	0.035	1.7	0.0398	0.0000	OK
360 minute summer	26	256	217.189	1.111	5.6	10.9601	0.0000	SURCHARGED
360 minute summer	27	256	217.189	0.695	1.5	3.0666	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	1.000	2	0.0	0.000	0.000	0.0424	
360 minute summer	2	1.001	3	1.9	0.160	0.097	0.3066	
360 minute summer	3	Orifice	4	3.3				
360 minute summer	4	1.003	5	5.6	0.245	0.163	1.4353	
360 minute summer	5	Orifice	6	5.4				
360 minute summer	6	1.005	7	7.0	0.595	0.203	1.1469	
360 minute summer	7	1.006	8	7.9	0.288	0.155	1.0030	
360 minute summer	13	2.000	14	1.8	0.491	0.123	0.2497	
360 minute summer	14	2.001	15	2.6	0.504	0.177	0.5573	
360 minute summer	20	3.000	21	-0.2	0.153	-0.017	0.2211	
360 minute summer	21	3.001	15	-0.6	0.183	-0.040	0.2363	
360 minute summer	15	2.002	16	2.3	0.392	0.159	0.7028	
360 minute summer	16	2.003	17	1.7	0.165	0.115	0.5717	
360 minute summer	17	Orifice	18	1.8				
360 minute summer	18	2.005	19	4.5	0.629	0.106	1.0970	
360 minute summer	19	2.006	8	4.4	0.231	0.086	1.8341	
360 minute summer	8	Orifice	9	8.3				
360 minute summer	9	1.008	10	8.8	0.393	0.207	0.5293	
360 minute summer	22	4.000	23	0.0	0.000	0.000	0.2803	
360 minute summer	23	Orifice	24	1.3				
360 minute summer	24	4.002	25	3.4	0.747	0.133	0.5092	
360 minute summer	25	Orifice	26	4.2				
360 minute summer	28	4.005	OUTFALL2	1.7	0.462	0.049	0.0243	46.9
360 minute summer	26	Hydro-Brake®	28	1.7				
360 minute summer	27	5.001	26	-1.3	-0.086	-0.092	1.0194	

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute summer	10	256	217.433	0.767	9.3	3.2521	0.0000	FLOOD RISK
360 minute summer	11	400	216.702	0.091	8.5	0.0257	0.0000	OK
360 minute summer	OUTFALL1	400	216.662	0.082	8.5	0.0000	0.0000	OK
360 minute summer	12	256	217.189	0.626	0.4	0.1772	0.0000	SURCHARGED
360 minute summer	OUTFALL2	256	215.604	0.033	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute summer	10	Hydro-Brake®	11	8.5				
360 minute summer	11	1.010	OUTFALL1	8.5	0.809	0.582	0.0480	159.8
360 minute summer	12	5.000	27	-0.4	-0.036	-0.029	0.2066	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	1	8	218.710	0.000	0.0	0.0000	0.0000	OK
360 minute winter	2	184	218.527	0.027	1.4	0.0298	0.0000	OK
360 minute winter	3	192	218.403	0.260	2.8	0.5383	0.0000	SURCHARGED
360 minute winter	4	224	218.153	0.603	6.2	4.0074	0.0000	SURCHARGED
360 minute winter	5	224	218.149	0.760	6.2	3.9487	0.0000	SURCHARGED
360 minute winter	6	272	217.906	0.688	7.0	9.6917	0.0000	FLOOD RISK
360 minute winter	7	272	217.904	0.814	7.7	3.6344	0.0000	SURCHARGED
360 minute winter	13	248	218.759	0.095	1.3	0.0642	0.0000	OK
360 minute winter	14	248	218.759	0.246	1.8	0.5184	0.0000	SURCHARGED
360 minute winter	20	248	218.758	0.283	0.2	0.0847	0.0000	SURCHARGED
360 minute winter	21	248	218.758	0.367	0.5	0.6092	0.0000	SURCHARGED
360 minute winter	15	248	218.758	0.456	2.2	2.1542	0.0000	SURCHARGED
360 minute winter	16	248	218.757	0.721	2.5	3.2697	0.0000	SURCHARGED
360 minute winter	17	248	218.754	0.934	2.3	4.5639	0.0000	SURCHARGED
360 minute winter	18	272	217.904	0.415	4.2	2.1626	0.0000	SURCHARGED
360 minute winter	19	272	217.903	0.598	4.7	2.2442	0.0000	SURCHARGED
360 minute winter	8	272	217.902	1.055	12.5	16.7808	0.0000	FLOOD RISK
360 minute winter	9	256	217.455	0.700	9.0	1.4929	0.0000	SURCHARGED
360 minute winter	22	8	218.616	0.000	0.0	0.0000	0.0000	OK
360 minute winter	23	200	218.183	0.214	1.2	0.2999	0.0000	SURCHARGED
360 minute winter	24	192	217.346	0.033	2.7	0.0323	0.0000	OK
360 minute winter	25	256	217.320	1.074	4.9	4.6583	0.0000	SURCHARGED
360 minute winter	28	272	215.637	0.036	1.8	0.0407	0.0000	OK
360 minute winter	26	272	217.297	1.219	4.4	12.2969	0.0000	SURCHARGED
360 minute winter	27	272	217.297	0.803	1.4	4.2129	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute winter	1	1.000	2	0.0	0.000	0.000	0.0344	
360 minute winter	2	1.001	3	1.4	0.157	0.072	0.2989	
360 minute winter	3	Orifice	4	2.7				
360 minute winter	4	1.003	5	5.1	0.255	0.147	1.4353	
360 minute winter	5	Orifice	6	5.1				
360 minute winter	6	1.005	7	6.6	0.588	0.190	1.1469	
360 minute winter	7	1.006	8	7.4	0.290	0.145	1.0030	
360 minute winter	13	2.000	14	1.3	0.454	0.090	0.3322	
360 minute winter	14	2.001	15	1.8	0.459	0.125	0.5573	
360 minute winter	20	3.000	21	-0.1	0.153	-0.009	0.2211	
360 minute winter	21	3.001	15	0.4	0.181	0.028	0.2363	
360 minute winter	15	2.002	16	1.9	0.410	0.135	0.7028	
360 minute winter	16	2.003	17	1.5	0.150	0.102	0.5717	
360 minute winter	17	Orifice	18	1.9				
360 minute winter	18	2.005	19	3.8	0.614	0.091	1.0970	
360 minute winter	19	2.006	8	4.2	0.230	0.081	1.8341	
360 minute winter	8	Orifice	9	8.3				
360 minute winter	9	1.008	10	8.6	0.392	0.204	0.5293	
360 minute winter	22	4.000	23	0.0	0.000	0.000	0.2803	
360 minute winter	23	Orifice	24	1.1				
360 minute winter	24	4.002	25	2.7	0.724	0.107	0.4973	
360 minute winter	25	Orifice	26	3.4				
360 minute winter	28	4.005	OUTFALL2	1.8	0.467	0.051	0.0250	53.2
360 minute winter	26	Hydro-Brake®	28	1.8				
360 minute winter	27	5.001	26	-1.2	-0.070	-0.091	1.0194	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	10	256	217.451	0.785	9.0	3.4646	0.0000	FLOOD RISK
360 minute winter	11	424	216.702	0.091	8.5	0.0257	0.0000	OK
360 minute winter	OUTFALL1	424	216.662	0.082	8.5	0.0000	0.0000	OK
360 minute winter	12	272	217.297	0.734	0.3	0.2077	0.0000	SURCHARGED
360 minute winter	OUTFALL2	272	215.605	0.034	1.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute winter	10	Hydro-Brake®	11	8.5				
360 minute winter	11	1.010	OUTFALL1	8.5	0.809	0.583	0.0480	179.0
360 minute winter	12	5.000	27	-0.3	-0.046	-0.022	0.2066	