Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	250.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	19.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.420	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	10.00	Enforce best practice design rules	x

Adoptable Manhole Type

Max Width (mm)	Diameter (mm)	Max Width (mm)	Diameter (mm)
374	1200	749	1500
499	1350	900	1800

>900 Link+900 mm

Max Depth (m)	Diameter (mm)	Max Depth (m)	Diameter (mm)
1.500	1050	99.999	1200

Circular Link Type

Template	Freeform Carrier	Barrels	1	Follow Ground	x
Shape	Circular	Auto Increment (mm)	75		

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
S26			1.300	1500	526118.419	312888.009	1.838	-0.538
S25			1.300	1800	526222.807	312888.009	1.844	-0.544
S16	0.148	10.00	1.300	1800	526176.487	312888.009	1.867	-0.567
S145	0.205	10.00	1.300	1500	526176.487	312982.704	1.915	-0.615
S4			1.300	1500	526231.080	312893.781	1.843	-0.543
S5			1.300	1500	526231.080	312976.520	1.884	-0.584
S9	0.043	5.00	1.300	1500	526224.930	313002.210	1.896	-0.596
S10			1.300	1500	526224.930	313053.110	1.921	-0.621
S11			1.300	1500	526231.080	313059.260	1.926	-0.626
S12			1.300	1500	526231.080	313077.399	1.935	-0.635
S1	0.046	5.00	1.300	1500	526209.830	312912.661	1.864	-0.564
S3	0.115	5.00	1.300	1500	526209.830	312997.960	1.907	-0.607
S2			1.300	1500	526209.830	313055.928	1.936	-0.636
S14			1.300	1500	526207.830	313152.319	1.909	-0.609
S15	0.161	10.00	1.300	1800	526207.830	313077.399	1.946	-0.646
S75			1.300	1800	526176.487	313077.399	1.962	-0.662
S87	0.117	5.00	1.300	1500	526142.797	312892.695	1.886	-0.586
S88	0.120	5.00	1.300	1500	526142.797	312936.083	1.908	-0.608
S89	0.120	5.00	1.300	1500	526142.797	312979.472	1.930	-0.630
S90	0.117	5.00	1.300	1500	526142.797	313022.860	1.952	-0.652
S92			1.300	1800	526142.797	313077.399	1.979	-0.679
S81	0.117	5.00	1.300	1500	526115.108	312892.695	1.902	-0.602
S82	0.120	5.00	1.300	1500	526115.108	312936.083	1.924	-0.624
S83	0.120	5.00	1.300	1500	526115.108	312979.472	1.945	-0.645
S84	0.117	5.00	1.300	1500	526115.108	313022.860	1.967	-0.667
S86			1.300	1800	526115.108	313074.598	1.993	-0.693
S76	0.117	5.00	1.300	1500	526087.418	312892.695	1.917	-0.617
S77	0.120	5.00	1.300	1500	526087.418	312936.083	1.939	-0.639
S78	0.120	5.00	1.300	1500	526087.418	312979.472	1.961	-0.661

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Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
S79	0.117	5.00	1.300	1500	526087.418	313022.860	1.982	-0.682
S30			1.300	1800	526087.418	313071.399	2.007	-0.707
S31	0.126	5.00	1.300	1500	526055.729	312898.795	1.936	-0.636
S32	0.111	5.00	1.300	1500	526055.729	312985.097	1.979	-0.679
S33			1.300	1800	526055.729	313071.399	2.023	-0.723
S34			1.300	1500	526023.473	313071.399	2.039	-0.739
S35			1.300	1500	525971.196	313059.067	2.066	-0.766
S36			1.300	1500	525902.580	313056.649	2.042	-0.742
S37	0.210	10.00	1.300	1800	525960.130	313056.649	2.071	-0.771
S38			1.300	1500	525960.130	313147.083	2.116	-0.816
S39			1.300	1500	525960.130	313237.517	2.162	-0.862
S56		10.00	1.300	1500	525964.071	313252.003	2.159	-0.859
S57			1.300	1800	525954.857	313242.789	2.165	-0.865
S125		10.00	1.300	1500	525926.782	313193.465	2.155	-0.855
S127			1.300	1800	525926.782	313242.789	2.179	-0.879
S119		10.00	1.300	1500	525899.093	313193.465	2.169	-0.869
S60			1.300	1800	525899.093	313242.789	2.193	-0.893
Pond Inlet 1			1.300	1500	525899.093	313274.670	1.910	-0.610
Pond Outlet		10.00	1.300	1200	525823.296	313310.737	1.910	-0.610
S13			1.300	2100	525819.067	313316.046	2.238	-0.938
Final Outfall			1.000	1200	525805.653	313332.886	1.740	-0.740
PP-S26	0.037	15.00	1.300		526128.177	312882.057	0.800	0.500
PP-S25	0.032	15.00	1.300		526219.916	312884.601	0.800	0.500
PP-S16	0.057	15.00	1.300		526178.835	312911.267	0.800	0.500
PP-S145	0.066	15.00	1.300		526179.712	313003.629	0.800	0.500
PP-S4	0.052	15.00	1.300		526234.569	312909.988	0.800	0.500
PP-S1	0.131	15.00	1.300		526212.434	312934.682	0.800	0.500
PP-S5	0.077	15.00	1.300		526233.775	313034.591	0.800	0.500
PP-S12	0.028	15.00	1.300		526234.024	313077.457	0.800	0.500
PP-S14	0.002	15.00	1.300		526210.661	313143.141	0.800	0.500
PP-S2	0.041	15.00	1.300		526212.769	313059.788	0.800	0.500
PP-S15	0.032	15.00	1.300		526204.936	313074.952	0.800	0.500
PP-S75	0.031	15.00	1.300		526172.358	313074.206	0.800	0.500
PP-S24	0.077	15.00	1.300		526147.738	313073.329	0.800	0.500
PP-S30	0.029	15.00	1.300		526077.967	313075.453	0.800	0.500
PP-S33	0.034	15.00	1.300		526046.961	313068.445	0.800	0.500
PP-S34	0.066	15.00	1.300		526016.342	313066.643	0.800	0.500
PP-S35	0.010	15.00	1.300		525967.066	313054.378	0.800	0.500
PP-S36	0.051	15.00	1.300		525912.821	313053.406	0.800	0.500

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S26	S16	58.068	0.600	-0.238	-0.267	0.029	2002.3	450	17.35	42.2
2.000	S25	S16	46.321	0.600	-0.244	-0.267	0.023	2014.0	450	16.80	43.3
1.001	S16	S145	94.695	0.600	-0.267	-0.315	0.048	1972.8	450	20.87	35.1
1.002	S145	S75	94.695	0.600	-0.315	-0.362	0.047	2014.8	450	24.42	30.4
3.000	S4	S5	82.739	0.600	-0.243	-0.284	0.041	2018.0	450	18.17	40.1

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.445	70.8	4.2	1.088	1.117	0.037	0.0	74	0.247
2.000	0.444	70.6	3.8	1.094	1.117	0.032	0.0	70	0.237
1.001	0.448	71.3	26.1	1.117	1.165	0.274	0.0	188	0.414
1.002	0.444	70.6	44.9	1.165	1.212	0.545	0.0	261	0.469
3.000	0.443	70.5	5.7	1.093	1.134	0.052	0.0	86	0.268

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
3.001	S5	S11	82.739	0.600	-0.284	-0.326	0.042	1970.0	450	21.24	34.4
4.000	S9	S10	50.900	0.600	-0.296	-0.321	0.025	2036.0	450	6.92	43.0
4.001	S10	S11	8.697	0.600	-0.321	-0.326	0.005	1739.4	450	7.23	42.2
3.002	S11	S12	18.139	0.600	-0.326	-0.335	0.009	2015.4	450	21.92	33.4
3.003	S12	S15	23.250	0.600	-0.335	-0.346	0.011	2113.6	450	22.82	32.2
5.000	S1	S3	85.299	0.600	-0.264	-0.307	0.043	1983.7	450	18.23	40.0
5.001	S3	S2	57.969	0.600	-0.307	-0.336	0.029	1998.9	450	20.40	35.8
5.002	S2	S15	21.563	0.600	-0.336	-0.346	0.010	2156.3	450	21.24	34.5
6.000	S14	S15	74.921	0.600	-0.309	-0.346	0.037	2024.9	450	17.86	40.8
3.004	S15	S75	31.343	0.600	-0.346	-0.362	0.016	1958.9	450	23.98	30.8
1.003	S75	S92	33.690	0.600	-0.362	-0.379	0.017	1981.8	450	25.68	29.1
7.000	S87	S88	43.389	0.600	-0.286	-0.308	0.022	1972.2	450	6.61	43.7
7.001	S88	S89	43.389	0.600	-0.308	-0.330	0.022	1972.2	450	8.22	39.8
7.002	S89	S90	43.389	0.600	-0.330	-0.352	0.022	1972.2	450	9.84	36.7
7.003	S90	S92	54.539	0.600	-0.352	-0.379	0.027	2020.0	450	11.89	34.0
1.005	S92	S86	27.830	0.600	-0.379	-0.393	0.014	1987.9	450	26.72	27.6
8.000	S81	S82	43.389	0.600	-0.302	-0.324	0.022	1972.2	450	6.61	43.6
8.001	S82	S83	43.389	0.600	-0.324	-0.345	0.021	2066.1	450	8.26	39.7
8.002	S83	S84	43.389	0.600	-0.345	-0.367	0.022	1972.2	450	9.88	36.5
8.003	S84	S86	51.738	0.600	-0.367	-0.393	0.026	1989.9	450	11.81	33.9
1.006	S86	S30	27.874	0.600	-0.393	-0.407	0.014	1991.0	450	27.76	26.7
9.000	S76	S77	43.389	0.600	-0.317	-0.339	0.022	1972.2	450	6.61	43.7
9.001	S77	S78	43.389	0.600	-0.339	-0.361	0.022	1972.2	450	8.22	39.8
9.002	S78	S79	43.388	0.600	-0.361	-0.382	0.021	2066.1	450	9.88	36.7
9.003	S79	S30	48.539	0.600	-0.382	-0.407	0.025	1941.6	450	11.66	34.0
1.007	S30	S33	31.689	0.600	-0.407	-0.423	0.016	1980.6	450	28.94	26.0
10.000	S31	S32	86.302	0.600	-0.336	-0.379	0.043	2007.0	450	8.24	39.9
10.001	S32	S33	86.302	0.600	-0.379	-0.423	0.044	1961.4	450	11.43	34.1

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
3.001	0.449	71.4	12.0	1.134	1.176	0.129	0.0	124	0.336
4.000	0.441	70.2	5.0	1.146	1.171	0.043	0.0	80	0.256
4.001	0.478	76.1	4.9	1.171	1.176	0.043	0.0	77	0.271
3.002	0.444	70.6	15.6	1.176	1.185	0.172	0.0	143	0.357
3.003	0.433	68.9	17.4	1.185	1.196	0.200	0.0	154	0.363
5.000	0.447	71.1	19.2	1.114	1.157	0.177	0.0	160	0.382
5.001	0.445	70.8	28.3	1.157	1.186	0.292	0.0	197	0.421
5.002	0.428	68.1	31.1	1.186	1.196	0.333	0.0	213	0.419
6.000	0.443	70.4	0.2	1.159	1.196	0.002	0.0	19	0.098
3.004	0.450	71.6	60.8	1.196	1.212	0.728	0.0	319	0.503
1.003	0.447	71.2	102.8	1.212	1.229	1.304	0.0	450	0.453
7.000	0.449	71.3	13.9	1.136	1.158	0.117	0.0	134	0.349
7.001	0.449	71.3	25.6	1.158	1.180	0.237	0.0	186	0.412
7.002	0.449	71.3	35.6	1.180	1.202	0.357	0.0	225	0.448
7.003	0.443	70.5	43.7	1.202	1.229	0.474	0.0	257	0.466
1.005	0.447	71.1	138.8	1.229	1.243	1.855	0.0	450	0.453
8.000	0.449	71.3	13.8	1.152	1.174	0.117	0.0	134	0.349
8.001	0.438	69.7	25.5	1.174	1.195	0.237	0.0	189	0.405
8.002	0.449	71.3	35.4	1.195	1.217	0.357	0.0	224	0.447
8.003	0.446	71.0	43.6	1.217	1.243	0.474	0.0	255	0.469
1.006	0.446	71.0	168.6	1.243	1.257	2.330	0.0	450	0.452
9.000	0.449	71.3	13.9	1.167	1.189	0.117	0.0	134	0.349
9.001	0.449	71.3	25.6	1.189	1.211	0.237	0.0	186	0.412
9.002	0.438	69.7	35.6	1.211	1.232	0.357	0.0	228	0.440
9.003	0.452	71.9	43.7	1.232	1.257	0.474	0.0	254	0.473
1.007	0.448	71.2	199.7	1.257	1.273	2.833	0.0	450	0.453
10.000	0.445	70.7	13.7	1.186	1.229	0.126	0.0	133	0.345
10.001	0.450	71.5	21.9	1.229	1.273	0.237	0.0	171	0.397

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.008	S33	S34	32.256	0.600	-0.423	-0.439	0.016	2016.0	450	30.00	25.0
1.009	S34	S35	53.712	0.600	-0.439	-0.466	0.027	1989.3	450	30.00	24.8
1.010	S35	S37	11.327	0.600	-0.466	-0.471	0.005	2265.4	450	30.00	24.8
11.000	S36	S37	57.550	0.600	-0.442	-0.471	0.029	1984.5	450	17.17	42.5
1.011	S37	S38	90.434	0.600	-0.471	-0.516	0.045	2009.6	450	30.00	24.8
1.012	S38	S39	90.434	0.600	-0.516	-0.562	0.046	1966.0	450	30.00	24.8
1.013	S39	S57	7.456	0.600	-0.562	-0.565	0.003	2485.3	450	30.00	24.8
12.011	S56	S57	13.030	0.600	-0.559	-0.565	0.006	2171.7	450	10.51	24.8
1.014	S57	S127	28.075	0.600	-0.565	-0.579	0.014	2005.4	450	30.00	24.8
21.003	S125	S127	49.324	0.600	-0.555	-0.579	0.024	2055.2	450	11.87	33.9
1.015	S127	S60	27.689	0.600	-0.579	-0.593	0.014	1977.8	450	30.00	24.8
22.003	S119	S60	49.324	0.600	-0.569	-0.593	0.024	2055.2	450	11.87	33.9
1.016	S60	Pond Inlet 1	29.840	0.600	-0.593	-0.610	0.017	1755.3	450	30.00	24.8
1.000_1	PP-S26	S26	10.000	0.600	0.500	0.445	0.055	181.8	225	15.17	48.2
2.000_1	PP-S25	S25	5.000	0.600	0.500	0.439	0.061	82.0	225	15.06	48.6
1.018	Pond Outlet	S13	6.787	0.600	-0.610	-0.638	0.028	242.4	300	10.11	48.4
1.019	S13	Final Outfall	10.785	0.600	-0.638	-0.740	0.102	105.7	300	10.23	47.7
3.000_1	PP-S16	S16	5.000	0.600	0.500	0.416	0.084	59.5	225	15.05	47.7
4.000_2	PP-S145	S145	5.000	0.600	0.500	0.369	0.131	38.2	225	15.04	48.6
4.000_1	PP-S1	S1	5.000	0.600	0.500	0.419	0.081	61.7	225	15.05	47.7
1.000_2	PP-S4	S4	5.000	0.600	0.500	0.440	0.060	83.3	225	15.06	47.9
2.000_2	PP-S5	S5	5.000	0.600	0.500	0.399	0.101	49.5	225	15.04	46.3
12.000_1	PP-S15	S15	5.000	0.600	0.500	0.337	0.163	30.7	225	15.04	48.5
10.000_1	PP-S2	S2	5.000	0.600	0.500	0.347	0.153	32.7	225	15.04	48.6
8.000_1	PP-S12	S12	5.000	0.600	0.500	0.348	0.152	32.9	225	15.04	48.6
11.000_1	PP-S14	S14	5.000	0.600	0.500	0.374	0.126	39.7	225	15.04	48.2
13.000_1	PP-S75	S75	5.000	0.600	0.500	0.321	0.179	27.9	225	15.03	48.4
14.000_1	PP-S24	S92	5.000	0.600	0.500	0.307	0.193	25.9	225	15.03	48.5

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.008	0.444	70.5	210.4	1.273	1.289	3.104	0.0	450	0.449
1.009	0.447	71.0	213.1	1.289	1.316	3.170	0.0	450	0.452
1.010	0.418	66.4	213.8	1.316	1.321	3.180	0.0	450	0.423
11.000	0.447	71.1	5.9	1.292	1.321	0.051	0.0	87	0.272
1.011	0.444	70.7	231.3	1.321	1.366	3.441	0.0	450	0.450
1.012	0.449	71.5	231.3	1.366	1.412	3.441	0.0	450	0.455
1.013	0.398	63.4	231.3	1.412	1.415	3.441	0.0	450	0.404
12.011	0.427	67.9	0.0	1.409	1.415	0.000	0.0	0	0.000
1.014	0.445	70.7	231.3	1.415	1.429	3.441	0.0	450	0.450
21.003	0.439	69.8	0.0	1.405	1.429	0.000	0.0	0	0.000
1.015	0.448	71.2	231.3	1.429	1.443	3.441	0.0	450	0.454
22.003	0.439	69.8	0.0	1.419	1.443	0.000	0.0	0	0.000
1.016	0.476	75.7	231.3	1.443	1.460	3.441	0.0	450	0.482
1.000_1	0.966	38.4	4.8	0.575	0.630	0.037	0.0	54	0.667
2.000_1	1.445	57.5	4.2	0.575	0.636	0.032	0.0	41	0.848
1.018	1.005	71.1	0.0	1.610	1.638	0.000	0.0	0	0.000
1.019	1.528	108.0	0.0	1.638	1.440	0.000	0.0	0	0.000
3.000_1	1.698	67.5	7.4	0.575	0.659	0.057	0.0	50	1.118
4.000_2	2.124	84.4	8.7	0.575	0.706	0.066	0.0	49	1.385
4.000_1	1.667	66.3	16.9	0.575	0.656	0.131	0.0	77	1.396
1.000_2	1.433	57.0	6.8	0.575	0.635	0.052	0.0	52	0.972
2.000_2	1.863	74.1	9.7	0.575	0.676	0.077	0.0	55	1.300
12.000_1	2.370	94.3	4.2	0.575	0.738	0.032	0.0	32	1.203
10.000_1	2.296	91.3	5.4	0.575	0.728	0.041	0.0	36	1.260
8.000_1	2.289	91.0	3.7	0.575	0.727	0.028	0.0	30	1.121
11.000_1	2.083	82.8	0.3	0.575	0.701	0.002	0.0	9	0.462
13.000_1	2.485	98.8	4.1	0.575	0.754	0.031	0.0	31	1.239
14.000_1	2.581	102.6	10.1	0.575	0.768	0.077	0.0	47	1.649

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
18.000_1	PP-S30	S30	5.000	0.600	0.500	0.273	0.227	22.0	225	15.03	48.5
23.000_2	PP-S36	S36	5.000	0.600	0.500	0.241	0.259	19.3	225	15.03	48.2
22.000_2	PP-S35	S35	5.000	0.600	0.500	0.218	0.282	17.7	225	15.03	48.4
21.000_1	PP-S34	S34	5.000	0.600	0.500	0.244	0.256	19.5	225	15.03	48.3
20.000_1	PP-S33	S33	5.000	0.600	0.500	0.261	0.239	20.9	225	15.03	48.3

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
18.000_1	2.800	111.3	3.8	0.575	0.802	0.029	0.0	29	1.323
23.000_2	2.991	118.9	6.7	0.575	0.834	0.051	0.0	36	1.619
22.000_2	3.122	124.1	1.3	0.575	0.857	0.010	0.0	16	1.025
21.000_1	2.974	118.2	8.6	0.575	0.831	0.066	0.0	41	1.750
20.000_1	2.873	114.2	4.5	0.575	0.814	0.034	0.0	30	1.409

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	58.068	2002.3	450	Circular	1.300	-0.238	1.088	1.300	-0.267	1.117
2.000	46.321	2014.0	450	Circular	1.300	-0.244	1.094	1.300	-0.267	1.117
1.001	94.695	1972.8	450	Circular	1.300	-0.267	1.117	1.300	-0.315	1.165
1.002	94.695	2014.8	450	Circular	1.300	-0.315	1.165	1.300	-0.362	1.212
3.000	82.739	2018.0	450	Circular	1.300	-0.243	1.093	1.300	-0.284	1.134
3.001	82.739	1970.0	450	Circular	1.300	-0.284	1.134	1.300	-0.326	1.176
4.000	50.900	2036.0	450	Circular	1.300	-0.296	1.146	1.300	-0.321	1.171
4.001	8.697	1739.4	450	Circular	1.300	-0.321	1.171	1.300	-0.326	1.176
3.002	18.139	2015.4	450	Circular	1.300	-0.326	1.176	1.300	-0.335	1.185
3.003	23.250	2113.6	450	Circular	1.300	-0.335	1.185	1.300	-0.346	1.196
5.000	85.299	1983.7	450	Circular	1.300	-0.264	1.114	1.300	-0.307	1.157
5.001	57.969	1998.9	450	Circular	1.300	-0.307	1.157	1.300	-0.336	1.186
5.002	21.563	2156.3	450	Circular	1.300	-0.336	1.186	1.300	-0.346	1.196
6.000	74.921	2024.9	450	Circular	1.300	-0.309	1.159	1.300	-0.346	1.196
3.004	31.343	1958.9	450	Circular	1.300	-0.346	1.196	1.300	-0.362	1.212
1.003	33.690	1981.8	450	Circular	1.300	-0.362	1.212	1.300	-0.379	1.229
7.000	43.389	1972.2	450	Circular	1.300	-0.286	1.136	1.300	-0.308	1.158
7.001	43.389	1972.2	450	Circular	1.300	-0.308	1.158	1.300	-0.330	1.180
7.002	43.389	1972.2	450	Circular	1.300	-0.330	1.180	1.300	-0.352	1.202

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	S26	1500	Manhole	Adoptable	S16	1800	Manhole	Adoptable
2.000	S25	1800	Manhole	Adoptable	S16	1800	Manhole	Adoptable
1.001	S16	1800	Manhole	Adoptable	S145	1500	Manhole	Adoptable
1.002	S145	1500	Manhole	Adoptable	S75	1800	Manhole	Adoptable
3.000	S4	1500	Manhole	Adoptable	S5	1500	Manhole	Adoptable
3.001	S5	1500	Manhole	Adoptable	S11	1500	Manhole	Adoptable
4.000	S9	1500	Manhole	Adoptable	S10	1500	Manhole	Adoptable
4.001	S10	1500	Manhole	Adoptable	S11	1500	Manhole	Adoptable
3.002	S11	1500	Manhole	Adoptable	S12	1500	Manhole	Adoptable
3.003	S12	1500	Manhole	Adoptable	S15	1800	Manhole	Adoptable
5.000	S1	1500	Manhole	Adoptable	S3	1500	Manhole	Adoptable
5.001	S3	1500	Manhole	Adoptable	S2	1500	Manhole	Adoptable
5.002	S2	1500	Manhole	Adoptable	S15	1800	Manhole	Adoptable
6.000	S14	1500	Manhole	Adoptable	S15	1800	Manhole	Adoptable
3.004	S15	1800	Manhole	Adoptable	S75	1800	Manhole	Adoptable
1.003	S75	1800	Manhole	Adoptable	S92	1800	Manhole	Adoptable
7.000	S87	1500	Manhole	Adoptable	S88	1500	Manhole	Adoptable
7.001	S88	1500	Manhole	Adoptable	S89	1500	Manhole	Adoptable
7.002	S89	1500	Manhole	Adoptable	S90	1500	Manhole	Adoptable

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
7.003	54.539	2020.0	450	Circular	1.300	-0.352	1.202	1.300	-0.379	1.229
1.005	27.830	1987.9	450	Circular	1.300	-0.379	1.229	1.300	-0.393	1.243
8.000	43.389	1972.2	450	Circular	1.300	-0.302	1.152	1.300	-0.324	1.174
8.001	43.389	2066.1	450	Circular	1.300	-0.324	1.174	1.300	-0.345	1.195
8.002	43.389	1972.2	450	Circular	1.300	-0.345	1.195	1.300	-0.367	1.217
8.003	51.738	1989.9	450	Circular	1.300	-0.367	1.217	1.300	-0.393	1.243
1.006	27.874	1991.0	450	Circular	1.300	-0.393	1.243	1.300	-0.407	1.257
9.000	43.389	1972.2	450	Circular	1.300	-0.317	1.167	1.300	-0.339	1.189
9.001	43.389	1972.2	450	Circular	1.300	-0.339	1.189	1.300	-0.361	1.211
9.002	43.388	2066.1	450	Circular	1.300	-0.361	1.211	1.300	-0.382	1.232
9.003	48.539	1941.6	450	Circular	1.300	-0.382	1.232	1.300	-0.407	1.257
1.007	31.689	1980.6	450	Circular	1.300	-0.407	1.257	1.300	-0.423	1.273
10.000	86.302	2007.0	450	Circular	1.300	-0.336	1.186	1.300	-0.379	1.229
10.001	86.302	1961.4	450	Circular	1.300	-0.379	1.229	1.300	-0.423	1.273
1.008	32.256	2016.0	450	Circular	1.300	-0.423	1.273	1.300	-0.439	1.289
1.009	53.712	1989.3	450	Circular	1.300	-0.439	1.289	1.300	-0.466	1.316
1.010	11.327	2265.4	450	Circular	1.300	-0.466	1.316	1.300	-0.471	1.321
11.000	57.550	1984.5	450	Circular	1.300	-0.442	1.292	1.300	-0.471	1.321
1.011	90.434	2009.6	450	Circular	1.300	-0.471	1.321	1.300	-0.516	1.366
1.012	90.434	1966.0	450	Circular	1.300	-0.516	1.366	1.300	-0.562	1.412
1.013	7.456	2485.3	450	Circular	1.300	-0.562	1.412	1.300	-0.565	1.415
12.011	13.030	2171.7	450	Circular	1.300	-0.559	1.409	1.300	-0.565	1.415
1.014	28.075	2005.4	450	Circular	1.300	-0.565	1.415	1.300	-0.579	1.429
21.003	49.324	2055.2	450	Circular	1.300	-0.555	1.405	1.300	-0.579	1.429
1.015	27.689	1977.8	450	Circular	1.300	-0.579	1.429	1.300	-0.593	1.443
22.003	49.324	2055.2	450	Circular	1.300	-0.569	1.419	1.300	-0.593	1.443
1.016	29.840	1755.3	450	Circular	1.300	-0.593	1.443	1.300	-0.610	1.460
1.000_1	10.000	181.8	225	Circular	1.300	0.500	0.575	1.300	0.445	0.630

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
7.003	S90	1500	Manhole	Adoptable	S92	1800	Manhole	Adoptable
1.005	S92	1800	Manhole	Adoptable	S86	1800	Manhole	Adoptable
8.000	S81	1500	Manhole	Adoptable	S82	1500	Manhole	Adoptable
8.001	S82	1500	Manhole	Adoptable	S83	1500	Manhole	Adoptable
8.002	S83	1500	Manhole	Adoptable	S84	1500	Manhole	Adoptable
8.003	S84	1500	Manhole	Adoptable	S86	1800	Manhole	Adoptable
1.006	S86	1800	Manhole	Adoptable	S30	1800	Manhole	Adoptable
9.000	S76	1500	Manhole	Adoptable	S77	1500	Manhole	Adoptable
9.001	S77	1500	Manhole	Adoptable	S78	1500	Manhole	Adoptable
9.002	S78	1500	Manhole	Adoptable	S79	1500	Manhole	Adoptable
9.003	S79	1500	Manhole	Adoptable	S30	1800	Manhole	Adoptable
1.007	S30	1800	Manhole	Adoptable	S33	1800	Manhole	Adoptable
10.000	S31	1500	Manhole	Adoptable	S32	1500	Manhole	Adoptable
10.001	S32	1500	Manhole	Adoptable	S33	1800	Manhole	Adoptable
1.008	S33	1800	Manhole	Adoptable	S34	1500	Manhole	Adoptable
1.009	S34	1500	Manhole	Adoptable	S35	1500	Manhole	Adoptable
1.010	S35	1500	Manhole	Adoptable	S37	1800	Manhole	Adoptable
11.000	S36	1500	Manhole	Adoptable	S37	1800	Manhole	Adoptable
1.011	S37	1800	Manhole	Adoptable	S38	1500	Manhole	Adoptable
1.012	S38	1500	Manhole	Adoptable	S39	1500	Manhole	Adoptable
1.013	S39	1500	Manhole	Adoptable	S57	1800	Manhole	Adoptable
12.011	S56	1500	Manhole	Adoptable	S57	1800	Manhole	Adoptable
1.014	S57	1800	Manhole	Adoptable	S127	1800	Manhole	Adoptable
21.003	S125	1500	Manhole	Adoptable	S127	1800	Manhole	Adoptable
1.015	S127	1800	Manhole	Adoptable	S60	1800	Manhole	Adoptable
22.003	S119	1500	Manhole	Adoptable	S60	1800	Manhole	Adoptable
1.016	S60	1800	Manhole	Adoptable	Pond Inlet 1	1500	Manhole	Adoptable
1.000_1	PP-S26		Junction		S26	1500	Manhole	Adoptable

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
2.000_1	5.000	82.0	225	Circular	1.300	0.500	0.575	1.300	0.439	0.636
1.018	6.787	242.4	300	Circular	1.300	-0.610	1.610	1.300	-0.638	1.638
1.019	10.785	105.7	300	Circular	1.300	-0.638	1.638	1.000	-0.740	1.440
3.000_1	5.000	59.5	225	Circular	1.300	0.500	0.575	1.300	0.416	0.659
4.000_2	5.000	38.2	225	Circular	1.300	0.500	0.575	1.300	0.369	0.706
4.000_1	5.000	61.7	225	Circular	1.300	0.500	0.575	1.300	0.419	0.656
1.000_2	5.000	83.3	225	Circular	1.300	0.500	0.575	1.300	0.440	0.635
2.000_2	5.000	49.5	225	Circular	1.300	0.500	0.575	1.300	0.399	0.676
12.000_1	5.000	30.7	225	Circular	1.300	0.500	0.575	1.300	0.337	0.738
10.000_1	5.000	32.7	225	Circular	1.300	0.500	0.575	1.300	0.347	0.728
8.000_1	5.000	32.9	225	Circular	1.300	0.500	0.575	1.300	0.348	0.727
11.000_1	5.000	39.7	225	Circular	1.300	0.500	0.575	1.300	0.374	0.701
13.000_1	5.000	27.9	225	Circular	1.300	0.500	0.575	1.300	0.321	0.754
14.000_1	5.000	25.9	225	Circular	1.300	0.500	0.575	1.300	0.307	0.768
18.000_1	5.000	22.0	225	Circular	1.300	0.500	0.575	1.300	0.273	0.802
23.000_2	5.000	19.3	225	Circular	1.300	0.500	0.575	1.300	0.241	0.834
22.000_2	5.000	17.7	225	Circular	1.300	0.500	0.575	1.300	0.218	0.857
21.000_1	5.000	19.5	225	Circular	1.300	0.500	0.575	1.300	0.244	0.831
20.000_1	5.000	20.9	225	Circular	1.300	0.500	0.575	1.300	0.261	0.814

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000_1	PP-S25		Junction		S25	1800	Manhole	Adoptable
1.018	Pond Outlet	1200	Manhole	Adoptable	S13	2100	Manhole	Adoptable
1.019	S13	2100	Manhole	Adoptable	Final Outfall	1200	Manhole	Adoptable
3.000_1	PP-S16		Junction		S16	1800	Manhole	Adoptable
4.000_2	PP-S145		Junction		S145	1500	Manhole	Adoptable
4.000_1	PP-S1		Junction		S1	1500	Manhole	Adoptable
1.000_2	PP-S4		Junction		S4	1500	Manhole	Adoptable
2.000_2	PP-S5		Junction		S5	1500	Manhole	Adoptable
12.000_1	PP-S15		Junction		S15	1800	Manhole	Adoptable
10.000_1	PP-S2		Junction		S2	1500	Manhole	Adoptable
8.000_1	PP-S12		Junction		S12	1500	Manhole	Adoptable
11.000_1	PP-S14		Junction		S14	1500	Manhole	Adoptable
13.000_1	PP-S75		Junction		S75	1800	Manhole	Adoptable
14.000_1	PP-S24		Junction		S92	1800	Manhole	Adoptable
18.000_1	PP-S30		Junction		S30	1800	Manhole	Adoptable
23.000_2	PP-S36		Junction		S36	1500	Manhole	Adoptable
22.000_2	PP-S35		Junction		S35	1500	Manhole	Adoptable
21.000_1	PP-S34		Junction		S34	1500	Manhole	Adoptable
20.000_1	PP-S33		Junction		S33	1800	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections		Link	IL (m)	Dia (mm)
S26	526118.419	312888.009	1.300	1.838	1500		1	1.000_1	0.445	225
							0	1.000	-0.238	450
S25	526222.807	312888.009	1.300	1.844	1800		1	2.000_1	0.439	225
							0	2.000	-0.244	450
S16	526176.487	312888.009	1.300	1.867	1800		1	3.000_1	0.416	225
							2	2.000	-0.267	450
							3	1.000	-0.267	450
							0	1.001	-0.267	450

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S145	526176.487	312982.704	1.300	1.915	1500	1	4.000_2	0.369	225
						2	1.001	-0.315	450
						0	1.002	-0.315	450
S4	526231.080	312893.781	1.300	1.843	1500	1	1.000_2	0.440	225
						0	3.000	-0.243	450
S5	526231.080	312976.520	1.300	1.884	1500	1	2.000_2	0.399	225
						2	3.000	-0.284	450
						0	3.001	-0.284	450
S9	526224.930	313002.210	1.300	1.896	1500	0	4.000	-0.296	450
S10	526224.930	313053.110	1.300	1.921	1500	1	4.000	-0.321	450
						0	4.001	-0.321	450
S11	526231.080	313059.260	1.300	1.926	1500	1	4.001	-0.326	450
						2	3.001	-0.326	450
						0	3.002	-0.326	450
S12	526231.080	313077.399	1.300	1.935	1500	1	8.000_1	0.348	225
						2	3.002	-0.335	450
						0	3.003	-0.335	450
S1	526209.830	312912.661	1.300	1.864	1500	1	4.000_1	0.419	225
						0	5.000	-0.264	450
S3	526209.830	312997.960	1.300	1.907	1500	1	5.000	-0.307	450
						0	5.001	-0.307	450
S2	526209.830	313055.928	1.300	1.936	1500	1	10.000_1	0.347	225
						2	5.001	-0.336	450
						0	5.002	-0.336	450
S14	526207.830	313152.319	1.300	1.909	1500	1	11.000_1	0.374	225
						0	6.000	-0.309	450
S15	526207.830	313077.399	1.300	1.946	1800	1	12.000_1	0.337	225
						2	6.000	-0.346	450
						3	5.002	-0.346	450
						4	3.003	-0.346	450
						0	3.004	-0.346	450
S75	526176.487	313077.399	1.300	1.962	1800	1	13.000_1	0.321	225
						2	3.004	-0.362	450
						3	1.002	-0.362	450
						0	1.003	-0.362	450
S87	526142.797	312892.695	1.300	1.886	1500	0	7.000	-0.286	450

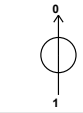
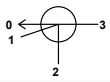
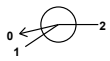
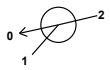
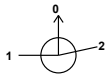
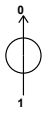
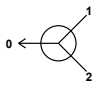
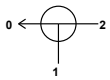
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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S88	526142.797	312936.083	1.300	1.908	1500	1	7.000	-0.308	450
						0	7.001	-0.308	450
S89	526142.797	312979.472	1.300	1.930	1500	1	7.001	-0.330	450
						0	7.002	-0.330	450
S90	526142.797	313022.860	1.300	1.952	1500	1	7.002	-0.352	450
						0	7.003	-0.352	450
S92	526142.797	313077.399	1.300	1.979	1800	1	14.000_1	0.307	225
						2	7.003	-0.379	450
						3	1.003	-0.379	450
						0	1.005	-0.379	450
S81	526115.108	312892.695	1.300	1.902	1500	0	8.000	-0.302	450
S82	526115.108	312936.083	1.300	1.924	1500	1	8.000	-0.324	450
						0	8.001	-0.324	450
S83	526115.108	312979.472	1.300	1.945	1500	1	8.001	-0.345	450
						0	8.002	-0.345	450
S84	526115.108	313022.860	1.300	1.967	1500	1	8.002	-0.367	450
						0	8.003	-0.367	450
S86	526115.108	313074.598	1.300	1.993	1800	1	8.003	-0.393	450
						2	1.005	-0.393	450
						0	1.006	-0.393	450
S76	526087.418	312892.695	1.300	1.917	1500	0	9.000	-0.317	450
S77	526087.418	312936.083	1.300	1.939	1500	1	9.000	-0.339	450
						0	9.001	-0.339	450
S78	526087.418	312979.472	1.300	1.961	1500	1	9.001	-0.361	450
						0	9.002	-0.361	450
S79	526087.418	313022.860	1.300	1.982	1500	1	9.002	-0.382	450
						0	9.003	-0.382	450
S30	526087.418	313071.399	1.300	2.007	1800	1	18.000_1	0.273	225
						2	9.003	-0.407	450
						3	1.006	-0.407	450
						0	1.007	-0.407	450
S31	526055.729	312898.795	1.300	1.936	1500	0	10.000	-0.336	450

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
S32	526055.729	312985.097	1.300	1.979	1500		1	10.000	-0.379	450
							0	10.001	-0.379	450
S33	526055.729	313071.399	1.300	2.023	1800		1	20.000_1	0.261	225
							2	10.001	-0.423	450
							3	1.007	-0.423	450
							0	1.008	-0.423	450
S34	526023.473	313071.399	1.300	2.039	1500		1	21.000_1	0.244	225
							2	1.008	-0.439	450
							0	1.009	-0.439	450
S35	525971.196	313059.067	1.300	2.066	1500		1	22.000_2	0.218	225
							2	1.009	-0.466	450
							0	1.010	-0.466	450
S36	525902.580	313056.649	1.300	2.042	1500		1	23.000_2	0.241	225
							0	11.000	-0.442	450
S37	525960.130	313056.649	1.300	2.071	1800		1	11.000	-0.471	450
							2	1.010	-0.471	450
							0	1.011	-0.471	450
S38	525960.130	313147.083	1.300	2.116	1500		1	1.011	-0.516	450
							0	1.012	-0.516	450
S39	525960.130	313237.517	1.300	2.162	1500		1	1.012	-0.562	450
							0	1.013	-0.562	450
S56	525964.071	313252.003	1.300	2.159	1500		0	12.011	-0.559	450
S57	525954.857	313242.789	1.300	2.165	1800		1	12.011	-0.565	450
							2	1.013	-0.565	450
							0	1.014	-0.565	450
S125	525926.782	313193.465	1.300	2.155	1500		0	21.003	-0.555	450
S127	525926.782	313242.789	1.300	2.179	1800		1	21.003	-0.579	450
							2	1.014	-0.579	450
							0	1.015	-0.579	450
S119	525899.093	313193.465	1.300	2.169	1500		0	22.003	-0.569	450
S60	525899.093	313242.789	1.300	2.193	1800		1	22.003	-0.593	450
							2	1.015	-0.593	450
							0	1.016	-0.593	450
Pond Inlet 1	525899.093	313274.670	1.300	1.910	1500		1	1.016	-0.610	450

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
Pond Outlet	525823.296	313310.737	1.300	1.910	1200	0	1.018	-0.610	300
S13	525819.067	313316.046	1.300	2.238	2100	1	1.018	-0.638	300
						0	1.019	-0.638	300
Final Outfall	525805.653	313332.886	1.000	1.740	1200	1	1.019	-0.740	300
PP-S26	526128.177	312882.057	1.300	0.800		0	1.000_1	0.500	225
PP-S25	526219.916	312884.601	1.300	0.800		0	2.000_1	0.500	225
PP-S16	526178.835	312911.267	1.300	0.800		0	3.000_1	0.500	225
PP-S145	526179.712	313003.629	1.300	0.800		0	4.000_2	0.500	225
PP-S4	526234.569	312909.988	1.300	0.800		0	1.000_2	0.500	225
PP-S1	526212.434	312934.682	1.300	0.800		0	4.000_1	0.500	225
PP-S5	526233.775	313034.591	1.300	0.800		0	2.000_2	0.500	225
PP-S12	526234.024	313077.457	1.300	0.800		0	8.000_1	0.500	225
PP-S14	526210.661	313143.141	1.300	0.800		0	11.000_1	0.500	225
PP-S2	526212.769	313059.788	1.300	0.800		0	10.000_1	0.500	225
PP-S15	526204.936	313074.952	1.300	0.800		0	12.000_1	0.500	225
PP-S75	526172.358	313074.206	1.300	0.800		0	13.000_1	0.500	225

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
PP-S24	526147.738	313073.329	1.300	0.800		0	14.000_1	0.500	225
PP-S30	526077.967	313075.453	1.300	0.800		0	18.000_1	0.500	225
PP-S33	526046.961	313068.445	1.300	0.800		0	20.000_1	0.500	225
PP-S34	526016.342	313066.643	1.300	0.800		0	21.000_1	0.500	225
PP-S35	525967.066	313054.378	1.300	0.800		0	22.000_2	0.500	225
PP-S36	525912.821	313053.406	1.300	0.800		0	23.000_2	0.500	225

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	0.750	Drain Down Time (mins)	1440	Check Discharge Volume	x
Winter CV	0.840	Additional Storage (m³/ha)	20.0		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0	100	20	0	0
30	0	0	0	100	40	0	0

Node Pond Inlet 1 Online Orifice Control

Flap Valve	x	Invert Level (m)	-0.610	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.600		

Node S13 Online Pump Control

Flap Valve	x	Design Depth (m)	1.300	Switch off depth (m)	0.300
Replaces Downstream Link	✓	Design Flow (l/s)	18.8		
Invert Level (m)	-0.638	Switch on depth (m)	0.600		

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.300	0.000	1.300	18.800

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Node Pond Outlet Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	65.000
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	-0.610	Main Channel Slope (1:X)	10000.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.035

Inlets

Pond Inlet 1

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	5074.0	0.0	1.000	6720.0	0.0	1.300	7042.0	0.0

Node PP-S26 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	65	Depth (m)	
Safety Factor	2.0	Width (m)	5.990	Inf Depth (m)	
Porosity	0.30	Length (m)	61.070		

Node PP-S25 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	63	Depth (m)	
Safety Factor	2.0	Width (m)	5.800	Inf Depth (m)	
Porosity	0.30	Length (m)	54.300		

Node PP-S16 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	62	Depth (m)	
Safety Factor	2.0	Width (m)	5.990	Inf Depth (m)	
Porosity	0.30	Length (m)	94.700		

Node PP-S145 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	59	Depth (m)	
Safety Factor	2.0	Width (m)	6.260	Inf Depth (m)	
Porosity	0.30	Length (m)	94.700		

Node PP-S4 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	92	Depth (m)	
Safety Factor	2.0	Width (m)	5.910	Inf Depth (m)	
Porosity	0.30	Length (m)	88.000		

Node PP-S1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	96	Depth (m)	
Safety Factor	2.0	Width (m)	60.100	Inf Depth (m)	
Porosity	0.30	Length (m)	19.500		

Node PP-S5 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	92	Depth (m)	
Safety Factor	2.0	Width (m)	6.510	Inf Depth (m)	
Porosity	0.30	Length (m)	101.000		

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Node PP-S12 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	94	Depth (m)	
Safety Factor	2.0	Width (m)	9.320	Inf Depth (m)	
Porosity	0.30	Length (m)	39.600		

Node PP-S14 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	78	Depth (m)	
Safety Factor	2.0	Width (m)	28.330	Inf Depth (m)	
Porosity	0.30	Length (m)	75.000		

Node PP-S2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	92	Depth (m)	
Safety Factor	2.0	Width (m)	14.460	Inf Depth (m)	
Porosity	0.30	Length (m)	25.800		

Node PP-S15 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	94	Depth (m)	
Safety Factor	2.0	Width (m)	6.330	Inf Depth (m)	
Porosity	0.30	Length (m)	31.300		

Node PP-S75 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	69	Depth (m)	
Safety Factor	2.0	Width (m)	7.430	Inf Depth (m)	
Porosity	0.30	Length (m)	29.000		

Node PP-S24 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	44	Depth (m)	
Safety Factor	2.0	Width (m)	7.720	Inf Depth (m)	
Porosity	0.30	Length (m)	67.000		

Node PP-S30 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	32	Depth (m)	
Safety Factor	2.0	Width (m)	7.940	Inf Depth (m)	
Porosity	0.30	Length (m)	24.900		

Node PP-S33 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	30	Depth (m)	
Safety Factor	2.0	Width (m)	6.390	Inf Depth (m)	
Porosity	0.30	Length (m)	32.300		

Node PP-S34 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	26	Depth (m)	
Safety Factor	2.0	Width (m)	8.730	Inf Depth (m)	
Porosity	0.30	Length (m)	53.700		

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Node PP-S35 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	21	Depth (m)	
Safety Factor	2.0	Width (m)	8.190	Inf Depth (m)	
Porosity	0.30	Length (m)	11.300		

Node PP-S36 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.500	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	19	Depth (m)	
Safety Factor	2.0	Width (m)	6.680	Inf Depth (m)	
Porosity	0.30	Length (m)	60.500		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	62.198	17.600	30 year 120 minute winter	55.992	22.272
1 year 15 minute winter	43.648	17.600	30 year 180 minute summer	63.883	16.439
1 year 30 minute summer	39.581	11.200	30 year 180 minute winter	41.526	16.439
1 year 30 minute winter	27.776	11.200	30 year 240 minute summer	49.859	13.176
1 year 60 minute summer	25.817	6.823	30 year 240 minute winter	33.125	13.176
1 year 60 minute winter	17.152	6.823	30 year 360 minute summer	37.166	9.564
1 year 120 minute summer	20.634	5.453	30 year 360 minute winter	24.159	9.564
1 year 120 minute winter	13.709	5.453	30 year 480 minute summer	28.653	7.572
1 year 180 minute summer	17.316	4.456	30 year 480 minute winter	19.037	7.572
1 year 180 minute winter	11.256	4.456	30 year 600 minute summer	23.028	6.299
1 year 240 minute summer	14.298	3.778	30 year 600 minute winter	15.734	6.299
1 year 240 minute winter	9.499	3.778	30 year 720 minute summer	20.184	5.410
1 year 360 minute summer	11.343	2.919	30 year 720 minute winter	13.565	5.410
1 year 360 minute winter	7.373	2.919	30 year 960 minute summer	16.113	4.243
1 year 480 minute summer	9.015	2.382	30 year 960 minute winter	10.673	4.243
1 year 480 minute winter	5.989	2.382	30 year 1440 minute summer	11.171	2.994
1 year 600 minute summer	7.387	2.020	30 year 1440 minute winter	7.508	2.994
1 year 600 minute winter	5.047	2.020	30 year 2160 minute summer	7.632	2.109
1 year 720 minute summer	6.565	1.759	30 year 2160 minute winter	5.258	2.109
1 year 720 minute winter	4.412	1.759	30 year 2880 minute summer	6.149	1.648
1 year 960 minute summer	5.347	1.408	30 year 2880 minute winter	4.133	1.648
1 year 960 minute winter	3.542	1.408	30 year 4320 minute summer	4.476	1.170
1 year 1440 minute summer	3.826	1.026	30 year 4320 minute winter	2.948	1.170
1 year 1440 minute winter	2.572	1.026	30 year 5760 minute summer	3.608	0.924
1 year 2160 minute summer	2.717	0.751	30 year 5760 minute winter	2.335	0.924
1 year 2160 minute winter	1.872	0.751	30 year 7200 minute summer	3.031	0.773
1 year 2880 minute summer	2.263	0.606	30 year 7200 minute winter	1.957	0.773
1 year 2880 minute winter	1.521	0.606	30 year 8640 minute summer	2.634	0.672
1 year 4320 minute summer	1.746	0.456	30 year 8640 minute winter	1.700	0.672
1 year 4320 minute winter	1.150	0.456	30 year 10080 minute summer	2.348	0.599
1 year 5760 minute summer	1.477	0.378	30 year 10080 minute winter	1.515	0.599
1 year 5760 minute winter	0.956	0.378	100 year +20% CC 15 minute summer	509.602	144.200
1 year 7200 minute summer	1.296	0.331	100 year +20% CC 15 minute winter	357.616	144.200
1 year 7200 minute winter	0.836	0.331	100 year +20% CC 30 minute summer	330.488	93.517
1 year 8640 minute summer	1.169	0.298	100 year +20% CC 30 minute winter	231.922	93.517
1 year 8640 minute winter	0.755	0.298	100 year +20% CC 60 minute summer	219.334	57.963
1 year 10080 minute summer	1.078	0.275	100 year +20% CC 60 minute winter	145.720	57.963
1 year 10080 minute winter	0.695	0.275	100 year +20% CC 120 minute summer	130.799	34.566
30 year 15 minute summer	327.473	92.663	100 year +20% CC 120 minute winter	86.900	34.566
30 year 15 minute winter	229.805	92.663	100 year +20% CC 180 minute summer	98.803	25.425
30 year 30 minute summer	210.762	59.638	100 year +20% CC 180 minute winter	64.224	25.425
30 year 30 minute winter	147.903	59.638	100 year +20% CC 240 minute summer	77.196	20.401
30 year 60 minute summer	138.483	36.597	100 year +20% CC 240 minute winter	51.287	20.401
30 year 60 minute winter	92.005	36.597	100 year +20% CC 360 minute summer	57.914	14.903
30 year 120 minute summer	84.278	22.272	100 year +20% CC 360 minute winter	37.645	14.903

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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +20% CC 480 minute summer	45.026	11.899	100 year +40% CC 120 minute winter	101.383	40.328
100 year +20% CC 480 minute winter	29.914	11.899	100 year +40% CC 180 minute summer	115.270	29.663
100 year +20% CC 600 minute summer	36.446	9.969	100 year +40% CC 180 minute winter	74.929	29.663
100 year +20% CC 600 minute winter	24.902	9.969	100 year +40% CC 240 minute summer	90.062	23.801
100 year +20% CC 720 minute summer	32.132	8.612	100 year +40% CC 240 minute winter	59.835	23.801
100 year +20% CC 720 minute winter	21.595	8.612	100 year +40% CC 360 minute summer	67.566	17.387
100 year +20% CC 960 minute summer	25.860	6.810	100 year +40% CC 360 minute winter	43.920	17.387
100 year +20% CC 960 minute winter	17.130	6.810	100 year +40% CC 480 minute summer	52.530	13.882
100 year +20% CC 1440 minute summer	18.066	4.842	100 year +40% CC 480 minute winter	34.900	13.882
100 year +20% CC 1440 minute winter	12.142	4.842	100 year +40% CC 600 minute summer	42.520	11.630
100 year +20% CC 2160 minute summer	12.325	3.406	100 year +40% CC 600 minute winter	29.052	11.630
100 year +20% CC 2160 minute winter	8.492	3.406	100 year +40% CC 720 minute summer	37.488	10.047
100 year +20% CC 2880 minute summer	9.862	2.643	100 year +40% CC 720 minute winter	25.194	10.047
100 year +20% CC 2880 minute winter	6.628	2.643	100 year +40% CC 960 minute summer	30.170	7.945
100 year +20% CC 4320 minute summer	7.030	1.838	100 year +40% CC 960 minute winter	19.985	7.945
100 year +20% CC 4320 minute winter	4.630	1.838	100 year +40% CC 1440 minute summer	21.077	5.649
100 year +20% CC 5760 minute summer	5.555	1.422	100 year +40% CC 1440 minute winter	14.165	5.649
100 year +20% CC 5760 minute winter	3.596	1.422	100 year +40% CC 2160 minute summer	14.379	3.974
100 year +20% CC 7200 minute summer	4.584	1.169	100 year +40% CC 2160 minute winter	9.908	3.974
100 year +20% CC 7200 minute winter	2.959	1.169	100 year +40% CC 2880 minute summer	11.506	3.084
100 year +20% CC 8640 minute summer	3.919	1.000	100 year +40% CC 2880 minute winter	7.733	3.084
100 year +20% CC 8640 minute winter	2.529	1.000	100 year +40% CC 4320 minute summer	8.202	2.144
100 year +20% CC 10080 minute summer	3.442	0.878	100 year +40% CC 4320 minute winter	5.401	2.144
100 year +20% CC 10080 minute winter	2.222	0.878	100 year +40% CC 5760 minute summer	6.481	1.659
100 year +40% CC 15 minute summer	594.536	168.233	100 year +40% CC 5760 minute winter	4.195	1.659
100 year +40% CC 15 minute winter	417.218	168.233	100 year +40% CC 7200 minute summer	5.348	1.364
100 year +40% CC 30 minute summer	385.570	109.103	100 year +40% CC 7200 minute winter	3.452	1.364
100 year +40% CC 30 minute winter	270.575	109.103	100 year +40% CC 8640 minute summer	4.572	1.166
100 year +40% CC 60 minute summer	255.889	67.624	100 year +40% CC 8640 minute winter	2.951	1.166
100 year +40% CC 60 minute winter	170.007	67.624	100 year +40% CC 10080 minute summer	4.016	1.025
100 year +40% CC 120 minute summer	152.599	40.328	100 year +40% CC 10080 minute winter	2.592	1.025

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S26	124	-0.110	0.128	0.9	0.2270	0.0000	OK
180 minute winter	S25	124	-0.110	0.134	0.8	0.3421	0.0000	OK
180 minute winter	S16	124	-0.110	0.157	5.6	0.6979	0.0000	OK
180 minute winter	S145	124	-0.111	0.204	10.4	0.8786	0.0000	OK
180 minute winter	S4	124	-0.111	0.132	1.3	0.2334	0.0000	OK
180 minute winter	S5	124	-0.111	0.173	2.5	0.3056	0.0000	OK
180 minute winter	S9	124	-0.111	0.185	1.1	0.4253	0.0000	OK
180 minute winter	S10	124	-0.111	0.210	0.8	0.3704	0.0000	OK
180 minute winter	S11	124	-0.111	0.215	3.4	0.3792	0.0000	OK
180 minute winter	S12	124	-0.112	0.223	4.2	0.3948	0.0000	OK
180 minute winter	S1	124	-0.111	0.153	2.8	0.3614	0.0000	OK
180 minute winter	S3	124	-0.111	0.196	4.7	0.6266	0.0000	OK
180 minute winter	S2	124	-0.111	0.225	4.9	0.3967	0.0000	OK
180 minute winter	S14	124	-0.112	0.197	1.0	0.3487	0.0000	OK
180 minute winter	S15	124	-0.112	0.234	11.3	1.0544	0.0000	OK
180 minute winter	S75	124	-0.113	0.249	20.1	0.6332	0.0000	OK
180 minute winter	S87	124	-0.116	0.170	3.0	0.5504	0.0000	OK
180 minute winter	S88	124	-0.116	0.192	5.5	0.6249	0.0000	OK
180 minute winter	S89	124	-0.117	0.213	7.6	0.6918	0.0000	OK
180 minute winter	S90	124	-0.117	0.235	9.5	0.7488	0.0000	OK
180 minute winter	S92	124	-0.117	0.262	27.6	0.6658	0.0000	OK
180 minute winter	S81	124	-0.123	0.179	3.0	0.5790	0.0000	OK
180 minute winter	S82	124	-0.123	0.201	5.5	0.6535	0.0000	OK
180 minute winter	S83	124	-0.123	0.222	7.5	0.7170	0.0000	OK
180 minute winter	S84	124	-0.123	0.244	9.4	0.7734	0.0000	OK
180 minute winter	S86	124	-0.124	0.269	33.8	0.6856	0.0000	OK
180 minute winter	S76	124	-0.132	0.185	3.0	0.5960	0.0000	OK
180 minute winter	S77	124	-0.132	0.207	5.5	0.6704	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S26	1.000	S16	0.8	0.042	0.011	2.5147	
180 minute winter	S25	2.000	S16	0.6	0.036	0.009	2.0626	
180 minute winter	S16	1.001	S145	4.4	0.153	0.062	5.6438	
180 minute winter	S145	1.002	S75	8.9	0.185	0.126	7.5632	
180 minute winter	S4	3.000	S5	1.0	0.090	0.014	3.9226	
180 minute winter	S5	3.001	S11	2.6	0.105	0.036	5.4041	
180 minute winter	S9	4.000	S10	0.6	0.110	0.008	3.3982	
180 minute winter	S10	4.001	S11	0.9	0.119	0.012	0.6387	
180 minute winter	S11	3.002	S12	3.9	0.073	0.056	1.3885	
180 minute winter	S12	3.003	S15	4.5	0.074	0.065	1.8824	
180 minute winter	S1	5.000	S3	2.7	0.105	0.038	4.8578	
180 minute winter	S3	5.001	S2	4.1	0.143	0.058	4.2098	
180 minute winter	S2	5.002	S15	5.0	0.111	0.073	1.7510	
180 minute winter	S14	6.000	S15	-1.0	-0.052	-0.014	5.6280	
180 minute winter	S15	3.004	S75	12.0	0.158	0.167	2.7157	
180 minute winter	S75	1.003	S92	20.5	0.230	0.288	3.1243	
180 minute winter	S87	7.000	S88	2.4	0.113	0.034	2.5810	
180 minute winter	S88	7.001	S89	4.5	0.147	0.063	3.0016	
180 minute winter	S89	7.002	S90	6.5	0.174	0.091	3.4238	
180 minute winter	S90	7.003	S92	8.2	0.195	0.116	4.8909	
180 minute winter	S92	1.005	S86	27.6	0.286	0.389	2.7079	
180 minute winter	S81	8.000	S82	2.4	0.112	0.034	2.7655	
180 minute winter	S82	8.001	S83	4.4	0.145	0.064	3.1792	
180 minute winter	S83	8.002	S84	6.4	0.170	0.090	3.5927	
180 minute winter	S84	8.003	S86	8.2	0.201	0.116	4.8295	
180 minute winter	S86	1.006	S30	33.8	0.338	0.476	2.7917	
180 minute winter	S76	9.000	S77	2.4	0.113	0.034	2.8826	
180 minute winter	S77	9.001	S78	4.4	0.145	0.062	3.3072	

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S78	124	-0.132	0.229	7.5	0.7367	0.0000	OK
180 minute winter	S79	124	-0.132	0.250	9.4	0.7896	0.0000	OK
180 minute winter	S30	124	-0.132	0.275	40.8	0.6987	0.0000	OK
180 minute winter	S31	124	-0.146	0.190	3.3	0.6304	0.0000	OK
180 minute winter	S32	124	-0.146	0.233	5.1	0.7203	0.0000	OK
180 minute winter	S33	124	-0.146	0.277	44.4	0.7051	0.0000	OK
180 minute winter	S34	124	-0.162	0.277	45.5	0.4888	0.0000	OK
180 minute winter	S35	124	-0.187	0.279	45.6	0.4923	0.0000	OK
180 minute winter	S36	124	-0.197	0.245	1.3	0.4324	0.0000	OK
180 minute winter	S37	124	-0.197	0.274	49.7	1.3455	0.0000	OK
180 minute winter	S38	124	-0.247	0.269	49.5	0.4753	0.0000	OK
180 minute winter	S39	128	-0.300	0.262	49.3	0.4624	0.0000	OK
180 minute winter	S56	128	-0.313	0.246	0.6	0.4352	0.0000	OK
180 minute winter	S57	128	-0.313	0.252	49.3	0.6420	0.0000	OK
180 minute winter	S125	128	-0.341	0.214	1.2	0.3778	0.0000	OK
180 minute winter	S127	128	-0.341	0.238	49.2	0.6052	0.0000	OK
180 minute winter	S119	128	-0.381	0.188	1.0	0.3330	0.0000	OK
180 minute winter	S60	128	-0.381	0.212	49.1	0.5407	0.0000	OK
10080 minute winter	Pond Inlet 1	11520	-0.399	0.211	5.7	0.3731	0.0000	OK
10080 minute winter	Pond Outlet	10440	-0.399	0.211	2.9	0.2388	0.0000	OK
10080 minute winter	S13	10440	-0.399	0.239	0.1	0.8286	0.0000	OK
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute winter	PP-S26	29	0.526	0.026	1.5	0.6562	0.0000	OK
30 minute winter	PP-S25	28	0.522	0.022	1.3	0.4436	0.0000	OK
30 minute winter	PP-S16	27	0.527	0.027	2.4	0.7171	0.0000	OK
30 minute winter	PP-S145	27	0.527	0.027	2.7	0.7180	0.0000	OK
30 minute winter	PP-S4	28	0.528	0.028	2.2	0.7309	0.0000	OK
180 minute winter	PP-S1	124	0.528	0.028	3.3	6.3066	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S78	9.002	S79	6.4	0.170	0.092	3.7211	
180 minute winter	S79	9.003	S30	8.2	0.194	0.115	4.6522	
180 minute winter	S30	1.007	S33	40.7	0.402	0.571	3.2271	
180 minute winter	S31	10.000	S32	2.2	0.114	0.031	6.3298	
180 minute winter	S32	10.001	S33	3.2	0.151	0.045	7.9970	
180 minute winter	S33	1.008	S34	44.3	0.433	0.627	3.2995	
180 minute winter	S34	1.009	S35	45.4	0.443	0.640	5.5124	
180 minute winter	S35	1.010	S37	45.6	0.447	0.687	1.1552	
180 minute winter	S36	11.000	S37	0.9	-0.055	0.013	5.4378	
180 minute winter	S37	1.011	S38	49.5	0.499	0.701	9.0325	
180 minute winter	S38	1.012	S39	49.3	0.509	0.691	8.7885	
180 minute winter	S39	1.013	S57	49.3	0.528	0.777	0.6974	
180 minute winter	S56	12.011	S57	-0.6	-0.092	-0.009	1.1740	
180 minute winter	S57	1.014	S127	49.2	0.559	0.695	2.4763	
180 minute winter	S125	21.003	S127	-1.2	-0.128	-0.017	3.9255	
180 minute winter	S127	1.015	S60	49.1	0.620	0.690	2.1954	
180 minute winter	S119	22.003	S60	-1.0	-0.118	-0.014	3.3670	
180 minute winter	S60	1.016	Pond Inlet 1	49.1	0.826	0.648	1.7793	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	2.9	0.002	0.000	1092.8793	
10080 minute winter	Pond Outlet	1.018	S13	0.1	0.020	0.001	0.3842	
10080 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	1.1	0.429	0.029	0.0259	
30 minute winter	PP-S25	2.000_1	S25	1.1	0.564	0.019	0.0098	
30 minute winter	PP-S16	3.000_1	S16	2.0	0.755	0.030	0.0135	
30 minute winter	PP-S145	4.000_2	S145	2.4	0.928	0.029	0.0130	
30 minute winter	PP-S4	1.000_2	S4	1.8	0.646	0.031	0.0139	
180 minute winter	PP-S1	4.000_1	S1	2.0	0.745	0.031	0.0137	

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	PP-S5	27	0.531	0.031	3.2	0.9703	0.0000	OK
30 minute winter	PP-S12	27	0.517	0.017	1.2	0.3929	0.0000	OK
120 minute winter	PP-S14	80	0.505	0.005	0.1	0.0948	0.0000	OK
30 minute winter	PP-S2	29	0.519	0.019	1.7	0.7698	0.0000	OK
30 minute winter	PP-S15	27	0.518	0.018	1.3	0.3272	0.0000	OK
30 minute winter	PP-S75	27	0.517	0.017	1.3	0.3484	0.0000	OK
30 minute winter	PP-S24	27	0.526	0.026	3.2	0.8644	0.0000	OK
30 minute winter	PP-S30	27	0.516	0.016	1.2	0.3185	0.0000	OK
30 minute winter	PP-S33	26	0.517	0.017	1.4	0.3033	0.0000	OK
30 minute winter	PP-S34	27	0.523	0.023	2.7	0.7153	0.0000	OK
30 minute winter	PP-S35	27	0.509	0.009	0.4	0.1095	0.0000	OK
30 minute winter	PP-S36	26	0.521	0.021	2.1	0.4504	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	PP-S5	2.000_2	S5	2.8	0.882	0.037	0.0157	
30 minute winter	PP-S12	8.000_1	S12	1.0	0.741	0.011	0.0065	
120 minute winter	PP-S14	11.000_1	S14	0.0	0.335	0.001	0.0007	
30 minute winter	PP-S2	10.000_1	S2	1.2	0.804	0.014	0.0077	
30 minute winter	PP-S15	12.000_1	S15	1.2	0.814	0.013	0.0074	
30 minute winter	PP-S75	13.000_1	S75	1.1	0.828	0.012	0.0069	
30 minute winter	PP-S24	14.000_1	S92	2.9	1.117	0.028	0.0128	
30 minute winter	PP-S30	18.000_1	S30	1.1	0.887	0.010	0.0061	
30 minute winter	PP-S33	20.000_1	S33	1.3	0.957	0.012	0.0069	
30 minute winter	PP-S34	21.000_1	S34	2.4	1.176	0.020	0.0103	
30 minute winter	PP-S35	22.000_2	S35	0.4	0.702	0.003	0.0027	
30 minute winter	PP-S36	23.000_2	S36	2.0	1.111	0.016	0.0088	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	0.699	0.937	15.9	1.6555	0.0000	SURCHARGED
60 minute winter	S25	51	0.699	0.943	22.8	2.3995	0.0000	SURCHARGED
60 minute winter	S16	51	0.698	0.965	74.4	4.2783	0.0000	SURCHARGED
60 minute winter	S145	52	0.689	1.004	72.0	4.3244	0.0000	SURCHARGED
60 minute winter	S4	53	0.682	0.925	64.3	1.6337	0.0000	SURCHARGED
120 minute summer	S5	118	0.690	0.974	39.6	1.7217	0.0000	SURCHARGED
60 minute winter	S9	34	0.707	1.003	13.7	2.3107	0.0000	SURCHARGED
60 minute winter	S10	52	0.677	0.998	35.5	1.7632	0.0000	SURCHARGED
60 minute winter	S11	55	0.677	1.003	79.1	1.7720	0.0000	SURCHARGED
60 minute winter	S12	55	0.676	1.011	84.1	1.7861	0.0000	SURCHARGED
60 minute winter	S1	59	0.680	0.944	27.4	2.2236	0.0000	SURCHARGED
120 minute winter	S3	92	0.677	0.984	26.8	3.1456	0.0000	SURCHARGED
60 minute winter	S2	55	0.675	1.011	42.1	1.7866	0.0000	SURCHARGED
60 minute summer	S14	72	0.669	0.978	38.8	1.7280	0.0000	SURCHARGED
60 minute winter	S15	55	0.675	1.021	129.7	4.5935	0.0000	SURCHARGED
60 minute winter	S75	48	0.677	1.039	125.4	2.6448	0.0000	SURCHARGED
30 minute winter	S87	21	0.833	1.119	37.5	3.6305	0.0000	SURCHARGED
30 minute winter	S88	21	0.817	1.125	68.8	3.6675	0.0000	SURCHARGED
30 minute winter	S89	21	0.790	1.120	98.2	3.6294	0.0000	SURCHARGED
30 minute winter	S90	21	0.750	1.102	119.2	3.5107	0.0000	SURCHARGED
60 minute winter	S92	43	0.695	1.074	136.8	2.7323	0.0000	SURCHARGED
30 minute winter	S81	21	0.837	1.139	37.5	3.6767	0.0000	SURCHARGED
30 minute winter	S82	21	0.828	1.152	66.7	3.7407	0.0000	SURCHARGED
30 minute winter	S83	21	0.810	1.155	93.8	3.7268	0.0000	SURCHARGED
30 minute winter	S84	21	0.766	1.133	124.3	3.5944	0.0000	SURCHARGED
30 minute winter	S86	22	0.705	1.098	120.4	2.7940	0.0000	SURCHARGED
30 minute winter	S76	21	0.807	1.124	37.5	3.6126	0.0000	SURCHARGED
30 minute winter	S77	21	0.803	1.142	65.7	3.6908	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S26	1.000	S16	-15.9	-0.101	-0.225	9.2005	
60 minute winter	S25	2.000	S16	-22.8	-0.144	-0.323	7.3393	
60 minute winter	S16	1.001	S145	-41.0	-0.259	-0.574	15.0038	
60 minute winter	S145	1.002	S75	41.9	0.300	0.593	15.0038	
60 minute winter	S4	3.000	S5	-58.7	-0.370	-0.832	13.1095	
120 minute summer	S5	3.001	S11	-32.9	-0.209	-0.461	13.1095	
60 minute winter	S9	4.000	S10	35.5	0.224	0.506	8.0648	
60 minute winter	S10	4.001	S11	37.8	0.369	0.497	1.3780	
60 minute winter	S11	3.002	S12	-79.1	-0.500	-1.121	2.8740	
60 minute winter	S12	3.003	S15	-81.0	-0.511	-1.176	3.6838	
60 minute winter	S1	5.000	S3	23.2	0.147	0.327	13.5151	
120 minute winter	S3	5.001	S2	21.7	0.230	0.306	9.1848	
60 minute winter	S2	5.002	S15	39.5	0.249	0.580	3.4165	
60 minute summer	S14	6.000	S15	-38.8	-0.245	-0.551	11.8707	
60 minute winter	S15	3.004	S75	-96.1	-0.606	-1.342	4.9661	
60 minute winter	S75	1.003	S92	-121.9	-0.769	-1.713	5.3380	
30 minute winter	S87	7.000	S88	30.3	0.235	0.425	6.8747	
30 minute winter	S88	7.001	S89	59.7	0.377	0.837	6.8747	
30 minute winter	S89	7.002	S90	83.6	0.528	1.173	6.8747	
30 minute winter	S90	7.003	S92	108.7	0.686	1.543	8.6413	
60 minute winter	S92	1.005	S86	121.5	0.767	1.709	4.4095	
30 minute winter	S81	8.000	S82	28.8	0.234	0.403	6.8747	
30 minute winter	S82	8.001	S83	56.0	0.353	0.803	6.8747	
30 minute winter	S83	8.002	S84	86.8	0.548	1.216	6.8747	
30 minute winter	S84	8.003	S86	114.0	0.720	1.606	8.1975	
30 minute winter	S86	1.006	S30	120.2	0.759	1.693	4.4165	
30 minute winter	S76	9.000	S77	29.0	0.235	0.406	6.8747	
30 minute winter	S77	9.001	S78	57.6	0.364	0.808	6.8747	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	21	0.790	1.151	93.6	3.6985	0.0000	SURCHARGED
30 minute winter	S79	21	0.758	1.140	122.4	3.6004	0.0000	SURCHARGED
30 minute winter	S30	22	0.703	1.110	158.4	2.8238	0.0000	SURCHARGED
15 minute winter	S31	12	0.725	1.061	53.2	3.5154	0.0000	SURCHARGED
60 minute winter	S32	41	0.674	1.053	46.0	3.2518	0.0000	SURCHARGED
60 minute winter	S33	41	0.668	1.091	142.8	2.7771	0.0000	SURCHARGED
60 minute winter	S34	45	0.621	1.060	129.4	1.8737	0.0000	SURCHARGED
30 minute winter	S35	25	0.539	1.005	157.4	1.7752	0.0000	SURCHARGED
30 minute winter	S36	24	0.516	0.958	20.3	1.6933	0.0000	SURCHARGED
30 minute winter	S37	24	0.515	0.986	208.8	4.8449	0.0000	SURCHARGED
30 minute winter	S38	26	0.273	0.789	177.4	1.3942	0.0000	SURCHARGED
30 minute winter	S39	27	0.043	0.605	172.2	1.0692	0.0000	SURCHARGED
30 minute winter	S56	27	0.003	0.562	8.4	0.9923	0.0000	SURCHARGED
30 minute winter	S57	27	0.002	0.567	170.6	1.4439	0.0000	SURCHARGED
30 minute winter	S125	25	-0.081	0.474	33.1	0.8375	0.0000	SURCHARGED
30 minute winter	S127	27	-0.086	0.493	166.6	1.2536	0.0000	SURCHARGED
10080 minute winter	S119	10080	-0.132	0.437	0.2	0.7726	0.0000	OK
10080 minute winter	S60	11340	-0.132	0.461	11.4	1.1735	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	9660	-0.128	0.482	11.3	0.8515	0.0000	OK
10080 minute winter	Pond Outlet	11100	-0.133	0.477	5.7	0.5392	0.0000	SURCHARGED
10080 minute winter	S13	10200	-0.133	0.505	0.1	1.7485	0.0000	SURCHARGED
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	51	0.700	0.200	22.1	18.7641	0.0000	OK
60 minute winter	PP-S25	51	0.699	0.199	30.2	16.3534	0.0000	OK
60 minute winter	PP-S16	51	0.699	0.199	29.0	26.0399	0.0000	OK
60 minute winter	PP-S145	53	0.689	0.189	32.9	25.5573	0.0000	OK
60 minute winter	PP-S4	53	0.682	0.182	21.0	21.7156	0.0000	OK
60 minute winter	PP-S1	60	0.681	0.181	47.4	60.7928	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S78	9.002	S79	87.0	0.549	1.249	6.8745	
30 minute winter	S79	9.003	S30	116.3	0.734	1.617	7.6907	
30 minute winter	S30	1.007	S33	130.2	0.822	1.829	5.0209	
15 minute winter	S31	10.000	S32	46.1	0.397	0.652	13.6740	
60 minute winter	S32	10.001	S33	49.8	0.315	0.697	13.6740	
60 minute winter	S33	1.008	S34	124.7	0.787	1.767	5.1108	
60 minute winter	S34	1.009	S35	129.4	0.817	1.822	8.5103	
30 minute winter	S35	1.010	S37	152.7	0.964	2.299	1.7947	
30 minute winter	S36	11.000	S37	15.4	-0.173	0.216	9.1184	
30 minute winter	S37	1.011	S38	177.4	1.120	2.511	14.3287	
30 minute winter	S38	1.012	S39	172.2	1.087	2.410	14.3287	
30 minute winter	S39	1.013	S57	170.6	1.079	2.693	1.1814	
30 minute winter	S56	12.011	S57	-8.4	-0.311	-0.124	2.0645	
30 minute winter	S57	1.014	S127	166.6	1.177	2.355	4.4483	
30 minute winter	S125	21.003	S127	-33.1	-0.499	-0.473	7.8151	
30 minute winter	S127	1.015	S60	157.2	1.178	2.207	4.3251	
10080 minute winter	S119	22.003	S60	0.3	-0.006	0.005	7.7845	
10080 minute winter	S60	1.016	Pond Inlet 1	11.3	0.334	0.149	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-5.7	0.007	0.000	2590.0669	
10080 minute winter	Pond Outlet	1.018	S13	0.1	0.033	0.001	0.4779	
10080 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-15.6	0.620	-0.407	0.3854	
60 minute winter	PP-S25	2.000_1	S25	-24.7	-1.289	-0.430	0.1924	
60 minute winter	PP-S16	3.000_1	S16	19.8	1.024	0.294	0.1923	
60 minute winter	PP-S145	4.000_2	S145	25.5	1.272	0.302	0.1886	
60 minute winter	PP-S4	1.000_2	S4	16.9	0.916	0.296	0.1853	
60 minute winter	PP-S1	4.000_1	S1	24.5	1.257	0.369	0.1851	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	54	0.680	0.180	31.0	25.8142	0.0000	OK
60 minute winter	PP-S12	54	0.676	0.176	40.3	17.4272	0.0000	OK
120 minute winter	PP-S14	110	0.654	0.154	39.7	74.3072	0.0000	OK
60 minute winter	PP-S2	55	0.675	0.175	27.0	18.3446	0.0000	OK
60 minute winter	PP-S15	55	0.675	0.175	22.0	9.5406	0.0000	OK
60 minute winter	PP-S75	49	0.677	0.177	27.5	10.6692	0.0000	OK
60 minute winter	PP-S24	43	0.699	0.199	64.6	26.0212	0.0000	OK
60 minute winter	PP-S30	40	0.699	0.199	53.4	11.2071	0.0000	OK
60 minute winter	PP-S33	41	0.670	0.170	28.2	9.6177	0.0000	OK
60 minute winter	PP-S34	44	0.616	0.116	23.4	12.7719	0.0000	OK
30 minute winter	PP-S35	25	0.538	0.038	5.4	0.8799	0.0000	OK
30 minute winter	PP-S36	25	0.545	0.045	11.3	2.1226	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	PP-S5	2.000_2	S5	18.3	1.214	0.247	0.1844	
60 minute winter	PP-S12	8.000_1	S12	-35.5	-1.332	-0.390	0.1829	
120 minute winter	PP-S14	11.000_1	S14	-39.5	1.497	-0.476	0.1719	
60 minute winter	PP-S2	10.000_1	S2	26.2	1.093	0.287	0.1824	
60 minute winter	PP-S15	12.000_1	S15	24.4	1.136	0.259	0.1823	
60 minute winter	PP-S75	13.000_1	S75	-21.9	1.151	-0.222	0.1834	
60 minute winter	PP-S24	14.000_1	S92	-50.7	-1.579	-0.494	0.1923	
60 minute winter	PP-S30	18.000_1	S30	-48.3	-1.597	-0.434	0.1924	
60 minute winter	PP-S33	20.000_1	S33	-22.2	1.308	-0.194	0.1800	
60 minute winter	PP-S34	21.000_1	S34	26.7	1.620	0.226	0.1512	
30 minute winter	PP-S35	22.000_2	S35	4.1	1.024	0.033	0.1103	
30 minute winter	PP-S36	23.000_2	S36	10.7	1.583	0.090	0.1137	

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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	53	0.915	1.153	44.0	2.0375	0.0000	SURCHARGED
60 minute winter	S25	54	0.914	1.158	44.1	2.9473	0.0000	SURCHARGED
60 minute winter	S16	53	0.914	1.181	119.4	5.2348	0.0000	SURCHARGED
60 minute winter	S145	55	0.905	1.220	107.0	5.2528	0.0000	SURCHARGED
30 minute winter	S4	18	0.878	1.121	68.1	1.9803	0.0000	SURCHARGED
120 minute winter	S5	96	0.870	1.154	41.1	2.0398	0.0000	SURCHARGED
120 minute winter	S9	98	0.868	1.164	11.4	2.6828	0.0000	SURCHARGED
120 minute winter	S10	98	0.868	1.189	21.7	2.1016	0.0000	SURCHARGED
120 minute winter	S11	98	0.868	1.194	47.1	2.1104	0.0000	SURCHARGED
120 minute winter	S12	98	0.868	1.203	51.1	2.1256	0.0000	SURCHARGED
120 minute winter	S1	98	0.874	1.138	39.1	2.6789	0.0000	SURCHARGED
120 minute winter	S3	98	0.871	1.178	31.9	3.7662	0.0000	SURCHARGED
120 minute winter	S2	98	0.868	1.204	34.3	2.1282	0.0000	SURCHARGED
120 minute winter	S14	108	0.849	1.158	67.8	2.0465	0.0000	SURCHARGED
120 minute winter	S15	98	0.867	1.213	131.2	5.4607	0.0000	SURCHARGED
60 minute winter	S75	50	0.887	1.249	183.8	3.1786	0.0000	SURCHARGED
15 minute winter	S87	11	1.300	1.586	76.7	5.1450	4.2909	FLOOD
15 minute winter	S88	11	1.300	1.608	128.6	5.2437	2.2504	FLOOD
15 minute winter	S89	11	1.290	1.620	176.1	5.2514	0.0000	FLOOD RISK
15 minute winter	S90	11	1.195	1.547	225.9	4.9272	0.0000	FLOOD RISK
30 minute winter	S92	22	0.981	1.360	326.7	3.4600	0.0000	SURCHARGED
30 minute winter	S81	18	1.300	1.602	58.8	5.1729	5.6535	FLOOD
15 minute winter	S82	11	1.300	1.624	127.0	5.2731	3.5107	FLOOD
30 minute summer	S83	18	1.300	1.645	145.7	5.3100	0.0000	FLOOD RISK
15 minute winter	S84	11	1.222	1.589	223.8	5.0397	0.0000	FLOOD RISK
30 minute winter	S86	22	1.040	1.433	196.9	3.6477	0.0000	SURCHARGED
30 minute winter	S76	18	1.300	1.617	58.8	5.1987	5.1467	FLOOD
15 minute winter	S77	11	1.300	1.639	126.4	5.2989	3.4242	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S26	1.000	S16	-40.6	-0.256	-0.574	9.2005	
60 minute winter	S25	2.000	S16	-40.6	-0.256	-0.575	7.3393	
60 minute winter	S16	1.001	S145	-79.6	-0.502	-1.116	15.0038	
60 minute winter	S145	1.002	S75	51.5	0.329	0.729	15.0038	
30 minute winter	S4	3.000	S5	-68.1	-0.430	-0.966	13.1095	
120 minute winter	S5	3.001	S11	-41.1	-0.259	-0.576	13.1095	
120 minute winter	S9	4.000	S10	21.7	0.210	0.309	8.0648	
120 minute winter	S10	4.001	S11	23.2	0.340	0.304	1.3780	
120 minute winter	S11	3.002	S12	-47.1	-0.298	-0.668	2.8740	
120 minute winter	S12	3.003	S15	-49.3	-0.311	-0.716	3.6838	
120 minute winter	S1	5.000	S3	-31.4	-0.198	-0.442	13.5151	
120 minute winter	S3	5.001	S2	19.8	0.261	0.279	9.1848	
120 minute winter	S2	5.002	S15	35.0	0.221	0.513	3.4165	
120 minute winter	S14	6.000	S15	-67.8	-0.428	-0.963	11.8707	
120 minute winter	S15	3.004	S75	-103.9	-0.656	-1.451	4.9661	
60 minute winter	S75	1.003	S92	-183.8	-1.160	-2.583	5.3380	
15 minute winter	S87	7.000	S88	49.9	0.315	0.699	6.8747	
15 minute winter	S88	7.001	S89	97.3	0.614	1.364	6.8747	
15 minute winter	S89	7.002	S90	149.4	0.943	2.094	6.8747	
15 minute winter	S90	7.003	S92	221.7	1.400	3.146	8.6413	
30 minute winter	S92	1.005	S86	-130.9	-0.826	-1.842	4.4095	
30 minute winter	S81	8.000	S82	42.1	0.266	0.591	6.8747	
15 minute winter	S82	8.001	S83	96.3	0.608	1.382	6.8747	
30 minute summer	S83	8.002	S84	146.0	0.922	2.047	6.8747	
15 minute winter	S84	8.003	S86	205.7	1.299	2.897	8.1975	
30 minute winter	S86	1.006	S30	126.7	0.800	1.785	4.4165	
30 minute winter	S76	9.000	S77	43.4	0.274	0.608	6.8747	
15 minute winter	S77	9.001	S78	98.1	0.619	1.375	6.8747	

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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	11	1.300	1.661	176.8	5.3385	0.0870	FLOOD
15 minute winter	S79	11	1.217	1.599	225.2	5.0518	0.0000	FLOOD RISK
30 minute winter	S30	22	1.041	1.448	271.6	3.6849	0.0000	SURCHARGED
15 minute winter	S31	11	1.197	1.533	113.0	5.0762	0.0000	FLOOD RISK
15 minute summer	S32	11	1.169	1.548	142.2	4.7794	0.0000	FLOOD RISK
30 minute winter	S33	24	0.967	1.390	271.4	3.5369	0.0000	SURCHARGED
60 minute winter	S34	45	0.874	1.313	179.8	2.3207	0.0000	SURCHARGED
60 minute winter	S35	46	0.762	1.228	145.8	2.1702	0.0000	SURCHARGED
60 minute winter	S36	46	0.725	1.167	26.0	2.0627	0.0000	SURCHARGED
60 minute winter	S37	46	0.723	1.194	192.4	5.8698	0.0000	SURCHARGED
60 minute winter	S38	46	0.430	0.946	172.9	1.6711	0.0000	SURCHARGED
60 minute winter	S39	47	0.137	0.699	172.9	1.2349	0.0000	SURCHARGED
60 minute winter	S56	47	0.085	0.644	6.3	1.1378	0.0000	SURCHARGED
60 minute winter	S57	47	0.085	0.650	172.9	1.6541	0.0000	SURCHARGED
60 minute winter	S125	47	-0.027	0.528	16.9	0.9332	0.0000	SURCHARGED
60 minute winter	S127	47	-0.027	0.552	172.8	1.4051	0.0000	SURCHARGED
2160 minute winter	S119	2100	-0.029	0.540	0.2	0.9539	0.0000	SURCHARGED
2880 minute winter	S60	2760	-0.028	0.565	50.5	1.4371	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	-0.022	0.588	50.2	1.0398	0.0000	OK
2880 minute winter	Pond Outlet	2820	-0.030	0.580	25.1	0.6560	0.0000	SURCHARGED
2880 minute winter	S13	2820	-0.030	0.608	5.8	2.1049	0.0000	SURCHARGED
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	53	0.917	0.417	42.5	42.7204	0.0000	SURCHARGED
60 minute winter	PP-S25	54	0.915	0.415	39.8	36.7954	0.0000	SURCHARGED
60 minute winter	PP-S16	53	0.915	0.415	60.4	63.1179	0.0000	SURCHARGED
60 minute winter	PP-S145	56	0.906	0.406	67.4	64.4145	0.0000	SURCHARGED
120 minute winter	PP-S4	96	0.872	0.372	29.8	51.6795	0.0000	SURCHARGED
120 minute winter	PP-S1	98	0.875	0.375	63.5	129.4904	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S78	9.002	S79	148.5	0.937	2.132	6.8745	
15 minute winter	S79	9.003	S30	213.0	1.344	2.961	7.6907	
30 minute winter	S30	1.007	S33	164.9	1.041	2.316	5.0209	
15 minute winter	S31	10.000	S32	88.8	0.560	1.256	13.6740	
15 minute summer	S32	10.001	S33	146.3	0.923	2.044	13.6740	
30 minute winter	S33	1.008	S34	195.9	1.237	2.778	5.1108	
60 minute winter	S34	1.009	S35	144.1	0.909	2.028	8.5103	
60 minute winter	S35	1.010	S37	145.8	0.920	2.194	1.7947	
60 minute winter	S36	11.000	S37	26.3	0.166	0.370	9.1184	
60 minute winter	S37	1.011	S38	172.9	1.092	2.448	14.3287	
60 minute winter	S38	1.012	S39	172.9	1.091	2.420	14.3287	
60 minute winter	S39	1.013	S57	172.9	1.091	2.728	1.1814	
60 minute winter	S56	12.011	S57	-6.3	-0.301	-0.092	2.0645	
60 minute winter	S57	1.014	S127	172.8	1.091	2.443	4.4483	
60 minute winter	S125	21.003	S127	-16.9	-0.319	-0.243	7.8151	
60 minute winter	S127	1.015	S60	172.8	1.091	2.426	4.3871	
2160 minute winter	S119	22.003	S60	0.2	-0.003	0.003	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	50.2	0.545	0.663	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	25.1	0.012	0.001	3202.7988	
2880 minute winter	Pond Outlet	1.018	S13	5.8	0.104	0.081	0.4779	
2880 minute winter	S13	Pump	Final Outfall	5.8				579.0
60 minute winter	PP-S26	1.000_1	S26	-31.8	-1.038	-0.828	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-33.0	-1.330	-0.574	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-43.9	-1.339	-0.650	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-51.1	-1.534	-0.605	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-19.8	0.923	-0.348	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-38.8	1.219	-0.586	0.1989	

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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	96	0.871	0.371	35.5	63.9647	0.0000	SURCHARGED
120 minute winter	PP-S12	98	0.868	0.368	25.1	38.7974	0.0000	SURCHARGED
120 minute winter	PP-S14	122	0.844	0.344	67.9	195.5177	0.0000	SURCHARGED
120 minute winter	PP-S2	98	0.869	0.369	27.1	40.1748	0.0000	SURCHARGED
120 minute winter	PP-S15	98	0.867	0.367	18.5	21.0469	0.0000	SURCHARGED
60 minute winter	PP-S75	51	0.888	0.388	49.7	24.4148	0.0000	SURCHARGED
60 minute winter	PP-S24	44	0.980	0.480	99.9	70.2888	0.0000	SURCHARGED
30 minute winter	PP-S30	23	1.042	0.542	109.8	31.8182	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.976	0.476	95.5	28.7214	0.0000	SURCHARGED
60 minute winter	PP-S34	46	0.879	0.379	68.3	50.0995	0.0000	SURCHARGED
60 minute winter	PP-S35	46	0.763	0.263	13.3	7.0475	0.0000	SURCHARGED
60 minute winter	PP-S36	47	0.728	0.228	36.8	24.1224	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	PP-S5	2.000_2	S5	-20.7	1.112	-0.279	0.1989	
120 minute winter	PP-S12	8.000_1	S12	26.4	1.036	0.290	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-67.6	-1.805	-0.816	0.1989	
120 minute winter	PP-S2	10.000_1	S2	20.6	1.046	0.226	0.1989	
120 minute winter	PP-S15	12.000_1	S15	21.3	1.047	0.226	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-43.0	-1.361	-0.435	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-80.9	-2.178	-0.788	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-101.0	-2.543	-0.908	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-85.2	-2.225	-0.746	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-50.1	1.617	-0.424	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-10.8	0.992	-0.087	0.1989	
60 minute winter	PP-S36	23.000_2	S36	26.0	1.588	0.218	0.1989	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	54	1.010	1.248	37.1	2.2046	0.0000	SURCHARGED
60 minute winter	S25	55	1.009	1.253	34.7	3.1892	0.0000	SURCHARGED
60 minute winter	S16	55	1.009	1.276	120.9	5.6561	0.0000	SURCHARGED
60 minute winter	S145	57	1.001	1.316	124.0	5.6687	0.0000	SURCHARGED
120 minute winter	S4	98	0.967	1.210	43.7	2.1378	0.0000	SURCHARGED
120 minute winter	S5	98	0.965	1.249	47.7	2.2079	0.0000	SURCHARGED
120 minute winter	S9	100	0.964	1.260	10.0	2.9019	0.0000	SURCHARGED
120 minute winter	S10	100	0.963	1.284	9.7	2.2697	0.0000	SURCHARGED
120 minute winter	S11	100	0.963	1.289	48.0	2.2785	0.0000	SURCHARGED
120 minute winter	S12	100	0.963	1.298	56.8	2.2934	0.0000	SURCHARGED
120 minute winter	S1	100	0.969	1.233	45.8	2.9030	0.0000	SURCHARGED
120 minute winter	S3	102	0.966	1.273	36.6	4.0704	0.0000	SURCHARGED
120 minute winter	S2	102	0.963	1.299	38.4	2.2960	0.0000	SURCHARGED
120 minute winter	S14	114	0.941	1.250	77.5	2.2081	0.0000	SURCHARGED
120 minute winter	S15	100	0.962	1.308	155.1	5.8877	0.0000	SURCHARGED
60 minute winter	S75	52	0.982	1.344	207.1	3.4198	0.0000	SURCHARGED
30 minute winter	S87	17	1.300	1.586	68.6	5.1450	12.3774	FLOOD
15 minute winter	S88	10	1.300	1.608	134.2	5.2437	10.5024	FLOOD
15 minute winter	S89	10	1.300	1.630	167.5	5.2828	0.2906	FLOOD
30 minute winter	S90	17	1.214	1.566	203.3	4.9872	0.0000	FLOOD RISK
60 minute winter	S92	41	1.097	1.476	295.5	3.7562	0.0000	FLOOD RISK
30 minute winter	S81	17	1.300	1.602	68.6	5.1729	13.8358	FLOOD
15 minute winter	S82	10	1.300	1.624	131.8	5.2731	12.1959	FLOOD
15 minute winter	S83	10	1.300	1.645	166.5	5.3101	1.5672	FLOOD
15 minute summer	S84	11	1.240	1.607	247.2	5.0980	0.0000	FLOOD RISK
60 minute winter	S86	40	1.149	1.542	168.7	3.9245	0.0000	FLOOD RISK
30 minute winter	S76	17	1.300	1.617	68.6	5.1987	13.6318	FLOOD
15 minute winter	S77	10	1.300	1.639	131.3	5.2989	11.2094	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S26	1.000	S16	-37.1	-0.234	-0.524	9.2005	
60 minute winter	S25	2.000	S16	-34.7	-0.219	-0.492	7.3393	
60 minute winter	S16	1.001	S145	-67.1	-0.424	-0.941	15.0038	
60 minute winter	S145	1.002	S75	58.5	0.369	0.829	15.0038	
120 minute winter	S4	3.000	S5	-39.4	-0.249	-0.559	13.1095	
120 minute winter	S5	3.001	S11	-47.7	-0.301	-0.668	13.1095	
120 minute winter	S9	4.000	S10	9.6	0.218	0.136	8.0648	
120 minute winter	S10	4.001	S11	9.2	0.312	0.121	1.3780	
120 minute winter	S11	3.002	S12	-44.0	-0.278	-0.624	2.8740	
120 minute winter	S12	3.003	S15	-56.8	-0.359	-0.826	3.6838	
120 minute winter	S1	5.000	S3	-36.0	-0.227	-0.506	13.5151	
120 minute winter	S3	5.001	S2	23.6	0.274	0.333	9.1848	
120 minute winter	S2	5.002	S15	36.8	0.232	0.540	3.4165	
120 minute winter	S14	6.000	S15	-77.5	-0.489	-1.100	11.8707	
120 minute winter	S15	3.004	S75	-122.6	-0.774	-1.712	4.9661	
60 minute winter	S75	1.003	S92	-207.1	-1.307	-2.911	5.3380	
30 minute winter	S87	7.000	S88	44.3	0.280	0.621	6.8747	
15 minute winter	S88	7.001	S89	89.6	0.566	1.257	6.8747	
15 minute winter	S89	7.002	S90	160.2	1.011	2.246	6.8747	
30 minute winter	S90	7.003	S92	209.3	1.321	2.970	8.6413	
60 minute winter	S92	1.005	S86	127.8	0.807	1.799	4.4095	
30 minute winter	S81	8.000	S82	41.9	0.267	0.587	6.8747	
15 minute winter	S82	8.001	S83	80.1	0.506	1.150	6.8747	
15 minute winter	S83	8.002	S84	141.2	0.891	1.979	6.8747	
15 minute summer	S84	8.003	S86	219.5	1.385	3.091	8.1975	
60 minute winter	S86	1.006	S30	128.7	0.812	1.813	4.4165	
30 minute winter	S76	9.000	S77	42.5	0.269	0.595	6.8747	
15 minute winter	S77	9.001	S78	83.9	0.530	1.177	6.8747	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	10	1.300	1.661	170.3	5.3385	1.1941	FLOOD
60 minute winter	S79	39	1.233	1.615	171.9	5.1005	0.0000	FLOOD RISK
60 minute winter	S30	40	1.150	1.557	217.7	3.9625	0.0000	FLOOD RISK
15 minute winter	S31	10	1.292	1.628	96.6	5.3908	0.0000	FLOOD RISK
15 minute winter	S32	10	1.280	1.659	181.4	5.1219	0.0000	FLOOD RISK
60 minute winter	S33	41	1.092	1.515	242.8	3.8564	0.0000	FLOOD RISK
60 minute winter	S34	46	0.990	1.429	194.9	2.5256	0.0000	SURCHARGED
60 minute winter	S35	47	0.868	1.334	147.6	2.3574	0.0000	SURCHARGED
60 minute winter	S36	47	0.828	1.270	35.1	2.2445	0.0000	SURCHARGED
60 minute winter	S37	47	0.826	1.297	210.8	6.3743	0.0000	SURCHARGED
60 minute winter	S38	47	0.503	1.019	181.4	1.8008	0.0000	SURCHARGED
60 minute winter	S39	48	0.181	0.743	181.3	1.3123	0.0000	SURCHARGED
60 minute winter	S56	48	0.124	0.683	5.9	1.2061	0.0000	SURCHARGED
60 minute winter	S57	48	0.124	0.689	181.3	1.7524	0.0000	SURCHARGED
2880 minute winter	S125	2760	0.029	0.584	0.3	1.0321	0.0000	SURCHARGED
2880 minute winter	S127	2820	0.029	0.608	58.3	1.5479	0.0000	SURCHARGED
2880 minute winter	S119	2820	0.032	0.601	0.2	1.0614	0.0000	SURCHARGED
2880 minute winter	S60	2820	0.030	0.623	58.0	1.5843	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	0.031	0.641	57.7	1.1321	0.0000	OK
2880 minute winter	Pond Outlet	2820	0.028	0.638	28.9	0.7213	0.0000	SURCHARGED
2880 minute winter	S13	2820	0.027	0.665	6.9	2.3043	0.0000	SURCHARGED
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	54	1.011	0.511	48.4	53.1667	0.0000	SURCHARGED
60 minute winter	PP-S25	56	1.010	0.510	43.9	45.8304	0.0000	SURCHARGED
60 minute winter	PP-S16	55	1.010	0.510	69.5	79.4187	0.0000	SURCHARGED
60 minute winter	PP-S145	57	1.003	0.503	76.9	81.7573	0.0000	SURCHARGED
120 minute winter	PP-S4	98	0.968	0.468	34.2	66.7038	0.0000	SURCHARGED
120 minute winter	PP-S1	102	0.970	0.470	74.7	163.3517	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S78	9.002	S79	147.6	0.932	2.119	6.8745	
60 minute winter	S79	9.003	S30	170.5	1.076	2.371	7.6907	
60 minute winter	S30	1.007	S33	156.1	0.986	2.193	5.0209	
15 minute winter	S31	10.000	S32	97.2	0.614	1.375	13.6740	
15 minute winter	S32	10.001	S33	176.4	1.113	2.466	13.6740	
60 minute winter	S33	1.008	S34	194.9	1.231	2.764	5.1108	
60 minute winter	S34	1.009	S35	145.7	0.920	2.051	8.5103	
60 minute winter	S35	1.010	S37	147.9	0.933	2.226	1.7947	
60 minute winter	S36	11.000	S37	-35.1	-0.221	-0.493	9.1184	
60 minute winter	S37	1.011	S38	181.4	1.145	2.567	14.3287	
60 minute winter	S38	1.012	S39	181.3	1.145	2.538	14.3287	
60 minute winter	S39	1.013	S57	181.3	1.144	2.862	1.1814	
60 minute winter	S56	12.011	S57	-5.9	-0.283	-0.086	2.0645	
60 minute winter	S57	1.014	S127	181.3	1.144	2.563	4.4483	
2880 minute winter	S125	21.003	S127	0.3	-0.004	0.004	7.8151	
2880 minute winter	S127	1.015	S60	58.0	0.493	0.815	4.3871	
2880 minute winter	S119	22.003	S60	0.4	-0.004	0.006	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	57.7	0.565	0.763	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	28.9	0.013	0.001	3553.0657	
2880 minute winter	Pond Outlet	1.018	S13	6.9	0.127	0.097	0.4779	
2880 minute winter	S13	Pump	Final Outfall	6.9				892.3
60 minute winter	PP-S26	1.000_1	S26	-36.3	-0.913	-0.944	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-33.8	-1.286	-0.588	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-50.5	-1.271	-0.749	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-55.3	-1.526	-0.655	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-22.6	0.909	-0.396	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-45.4	1.244	-0.685	0.1989	

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	98	0.966	0.466	41.7	82.9038	0.0000	SURCHARGED
120 minute winter	PP-S12	100	0.963	0.463	27.7	49.3786	0.0000	SURCHARGED
120 minute winter	PP-S14	128	0.930	0.430	77.6	250.0888	0.0000	SURCHARGED
120 minute winter	PP-S2	102	0.964	0.464	29.5	50.9184	0.0000	SURCHARGED
120 minute winter	PP-S15	100	0.962	0.462	20.3	26.7374	0.0000	SURCHARGED
60 minute winter	PP-S75	52	0.982	0.482	52.6	30.6111	0.0000	SURCHARGED
60 minute winter	PP-S24	45	1.102	0.602	111.5	89.3819	0.0000	FLOOD RISK
60 minute winter	PP-S30	41	1.153	0.653	81.4	38.4787	0.0000	FLOOD RISK
60 minute winter	PP-S33	42	1.095	0.595	67.0	36.1667	0.0000	FLOOD RISK
60 minute winter	PP-S34	47	0.995	0.495	80.2	66.6642	0.0000	SURCHARGED
60 minute winter	PP-S35	47	0.869	0.369	17.5	9.9710	0.0000	SURCHARGED
60 minute winter	PP-S36	48	0.831	0.331	51.8	36.6759	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	PP-S5	2.000_2	S5	-24.5	1.124	-0.331	0.1989	
120 minute winter	PP-S12	8.000_1	S12	-22.2	1.010	-0.244	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-77.2	-2.000	-0.932	0.1989	
120 minute winter	PP-S2	10.000_1	S2	22.1	1.052	0.242	0.1989	
120 minute winter	PP-S15	12.000_1	S15	23.7	1.062	0.251	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-45.4	-1.511	-0.460	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-90.8	-2.332	-0.885	0.1989	
60 minute winter	PP-S30	18.000_1	S30	-74.7	-1.996	-0.671	0.1989	
60 minute winter	PP-S33	20.000_1	S33	-59.1	-1.686	-0.518	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-59.5	-1.612	-0.503	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-14.5	1.015	-0.117	0.1989	
60 minute winter	PP-S36	23.000_2	S36	-34.6	1.569	-0.291	0.1989	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	19	-0.166	0.072	1.7	0.1278	0.0000	OK
15 minute summer	S25	19	-0.164	0.080	1.8	0.2027	0.0000	OK
15 minute summer	S16	20	-0.167	0.100	8.4	0.4416	0.0000	OK
15 minute summer	S145	18	-0.177	0.138	14.4	0.5942	0.0000	OK
15 minute summer	S4	24	-0.171	0.072	2.6	0.1278	0.0000	OK
15 minute summer	S5	22	-0.182	0.102	6.2	0.1797	0.0000	OK
15 minute summer	S9	23	-0.185	0.111	3.8	0.2556	0.0000	OK
15 minute summer	S10	22	-0.190	0.131	4.9	0.2312	0.0000	OK
15 minute summer	S11	21	-0.190	0.136	9.9	0.2400	0.0000	OK
15 minute summer	S12	26	-0.191	0.144	10.6	0.2537	0.0000	OK
15 minute summer	S1	23	-0.182	0.082	3.7	0.1927	0.0000	OK
15 minute summer	S3	24	-0.190	0.117	10.5	0.3739	0.0000	OK
15 minute summer	S2	25	-0.190	0.146	8.5	0.2573	0.0000	OK
15 minute summer	S14	18	-0.182	0.127	7.2	0.2242	0.0000	OK
15 minute summer	S15	26	-0.191	0.155	24.6	0.6968	0.0000	OK
15 minute summer	S75	17	-0.195	0.167	21.4	0.4258	0.0000	OK
15 minute summer	S87	12	-0.164	0.122	8.9	0.3963	0.0000	OK
15 minute summer	S88	13	-0.166	0.142	15.6	0.4629	0.0000	OK
15 minute summer	S89	13	-0.175	0.155	19.6	0.5019	0.0000	OK
15 minute summer	S90	13	-0.194	0.158	23.5	0.5047	0.0000	OK
15 minute summer	S92	18	-0.199	0.180	23.3	0.4578	0.0000	OK
15 minute summer	S81	12	-0.179	0.123	8.9	0.3970	0.0000	OK
15 minute summer	S82	13	-0.182	0.142	15.5	0.4626	0.0000	OK
15 minute summer	S83	13	-0.191	0.154	19.5	0.4980	0.0000	OK
15 minute summer	S84	16	-0.202	0.165	23.6	0.5229	0.0000	OK
15 minute summer	S86	16	-0.203	0.190	23.7	0.4834	0.0000	OK
15 minute summer	S76	12	-0.194	0.123	8.9	0.3942	0.0000	OK
15 minute summer	S77	13	-0.197	0.142	15.6	0.4593	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S26	1.000	S16	1.4	-0.111	0.020	1.2217	
15 minute summer	S25	2.000	S16	1.4	-0.122	0.019	1.0355	
15 minute summer	S16	1.001	S145	6.0	0.190	0.084	3.1430	
15 minute summer	S145	1.002	S75	11.1	0.338	0.158	4.4691	
15 minute summer	S4	3.000	S5	2.5	0.125	0.035	1.7587	
15 minute summer	S5	3.001	S11	4.4	0.136	0.062	2.7668	
15 minute summer	S9	4.000	S10	-3.4	0.281	-0.049	1.7352	
15 minute summer	S10	4.001	S11	-4.9	0.420	-0.064	0.3408	
15 minute summer	S11	3.002	S12	-9.9	-0.314	-0.140	0.7585	
15 minute summer	S12	3.003	S15	-9.9	-0.276	-0.144	1.0667	
15 minute summer	S1	5.000	S3	2.4	0.137	0.033	2.2128	
15 minute summer	S3	5.001	S2	7.9	0.334	0.112	2.2259	
15 minute summer	S2	5.002	S15	6.9	0.297	0.102	0.9943	
15 minute summer	S14	6.000	S15	-7.2	-0.252	-0.102	3.0586	
15 minute summer	S15	3.004	S75	-13.0	0.294	-0.182	1.5895	
15 minute summer	S75	1.003	S92	17.1	0.317	0.240	1.8986	
15 minute summer	S87	7.000	S88	6.4	0.230	0.090	1.6784	
15 minute summer	S88	7.001	S89	11.4	0.273	0.160	1.9761	
15 minute summer	S89	7.002	S90	16.8	0.342	0.235	2.1279	
15 minute summer	S90	7.003	S92	21.6	0.513	0.306	2.9342	
15 minute summer	S92	1.005	S86	17.4	0.312	0.245	1.7013	
15 minute summer	S81	8.000	S82	6.4	0.228	0.089	1.6894	
15 minute summer	S82	8.001	S83	11.5	0.269	0.165	1.9757	
15 minute summer	S83	8.002	S84	16.7	0.347	0.234	2.1311	
15 minute summer	S84	8.003	S86	20.5	0.486	0.289	3.0045	
15 minute summer	S86	1.006	S30	20.5	0.330	0.289	1.8033	
15 minute summer	S76	9.000	S77	6.4	0.230	0.089	1.6833	
15 minute summer	S77	9.001	S78	11.5	0.269	0.162	1.9784	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	13	-0.206	0.155	19.6	0.4982	0.0000	OK
15 minute summer	S79	16	-0.212	0.170	23.7	0.5364	0.0000	OK
15 minute summer	S30	16	-0.212	0.195	34.7	0.4963	0.0000	OK
15 minute summer	S31	20	-0.224	0.112	9.6	0.3710	0.0000	OK
15 minute summer	S32	22	-0.229	0.150	15.7	0.4630	0.0000	OK
15 minute summer	S33	24	-0.234	0.189	38.6	0.4812	0.0000	OK
15 minute summer	S34	24	-0.248	0.191	30.6	0.3368	0.0000	OK
15 minute summer	S35	23	-0.274	0.192	28.5	0.3400	0.0000	OK
15 minute summer	S36	21	-0.279	0.163	7.9	0.2883	0.0000	OK
15 minute summer	S37	23	-0.282	0.189	33.5	0.9271	0.0000	OK
15 minute summer	S38	27	-0.333	0.183	28.0	0.3227	0.0000	OK
15 minute summer	S39	32	-0.385	0.177	26.3	0.3135	0.0000	OK
15 minute summer	S56	34	-0.394	0.165	3.3	0.2917	0.0000	OK
15 minute summer	S57	34	-0.394	0.171	25.0	0.4354	0.0000	OK
15 minute summer	S125	36	-0.416	0.139	5.8	0.2455	0.0000	OK
15 minute summer	S127	34	-0.416	0.163	24.6	0.4137	0.0000	OK
15 minute summer	S119	36	-0.447	0.122	4.2	0.2151	0.0000	OK
15 minute summer	S60	37	-0.448	0.145	23.8	0.3695	0.0000	OK
15 minute summer	Pond Inlet 1	38	-0.520	0.090	23.5	0.1589	0.0000	OK
15 minute summer	Pond Outlet	1455	-0.585	0.025	17.4	0.0285	0.0000	OK
15 minute summer	S13	1446	-0.585	0.053	0.2	0.1843	0.0000	OK
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute summer	PP-S26	21	0.524	0.024	1.4	0.5533	0.0000	OK
15 minute summer	PP-S25	21	0.520	0.020	1.2	0.3739	0.0000	OK
15 minute summer	PP-S16	20	0.525	0.025	2.1	0.6133	0.0000	OK
15 minute summer	PP-S145	20	0.525	0.025	2.4	0.6243	0.0000	OK
15 minute summer	PP-S4	21	0.526	0.026	1.9	0.6257	0.0000	OK
15 minute summer	PP-S1	24	0.520	0.020	4.8	3.5676	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S78	9.002	S79	16.6	0.348	0.239	2.1493	
15 minute summer	S79	9.003	S30	20.5	0.480	0.286	2.9252	
15 minute summer	S30	1.007	S33	29.6	0.539	0.416	2.0396	
15 minute summer	S31	10.000	S32	7.7	0.275	0.109	3.2524	
15 minute summer	S32	10.001	S33	11.9	0.378	0.166	4.6877	
15 minute summer	S33	1.008	S34	28.8	0.528	0.409	2.0492	
15 minute summer	S34	1.009	S35	28.2	0.502	0.398	3.4438	
15 minute summer	S35	1.010	S37	25.7	0.490	0.387	0.7228	
15 minute summer	S36	11.000	S37	-6.3	-0.155	-0.088	3.2688	
15 minute summer	S37	1.011	S38	28.0	0.508	0.397	5.5462	
15 minute summer	S38	1.012	S39	26.3	0.513	0.369	5.2980	
15 minute summer	S39	1.013	S57	25.0	0.591	0.395	0.4222	
15 minute summer	S56	12.011	S57	-3.3	-0.267	-0.049	0.7031	
15 minute summer	S57	1.014	S127	24.6	0.596	0.348	1.4997	
15 minute summer	S125	21.003	S127	-5.8	-0.262	-0.083	2.2930	
15 minute summer	S127	1.015	S60	23.6	0.652	0.331	1.3243	
15 minute summer	S119	22.003	S60	-4.2	-0.220	-0.060	1.9306	
15 minute summer	S60	1.016	Pond Inlet 1	23.5	0.717	0.310	0.9932	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	17.4	0.020	0.000	113.1278	
15 minute summer	Pond Outlet	1.018	S13	0.2	0.183	0.004	0.0381	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	0.9	0.408	0.024	0.0226	
15 minute summer	PP-S25	2.000_1	S25	0.9	0.535	0.016	0.0086	
15 minute summer	PP-S16	3.000_1	S16	1.7	0.719	0.026	0.0120	
15 minute summer	PP-S145	4.000_2	S145	2.1	0.888	0.025	0.0117	
15 minute summer	PP-S4	1.000_2	S4	1.5	0.615	0.027	0.0123	
15 minute summer	PP-S1	4.000_1	S1	1.0	0.612	0.016	0.0085	

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Results for 1 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	20	0.528	0.028	2.8	0.8254	0.0000	OK
15 minute summer	PP-S12	21	0.515	0.015	1.0	0.3380	0.0000	OK
15 minute summer	PP-S14	22	0.504	0.004	0.1	0.0648	0.0000	OK
15 minute summer	PP-S2	22	0.517	0.017	1.5	0.6455	0.0000	OK
15 minute summer	PP-S15	19	0.517	0.017	1.2	0.2806	0.0000	OK
15 minute summer	PP-S75	20	0.516	0.016	1.1	0.3045	0.0000	OK
15 minute summer	PP-S24	20	0.524	0.024	2.8	0.7388	0.0000	OK
15 minute summer	PP-S30	19	0.515	0.015	1.1	0.2690	0.0000	OK
15 minute summer	PP-S33	19	0.516	0.016	1.2	0.2643	0.0000	OK
15 minute summer	PP-S34	20	0.521	0.021	2.4	0.6217	0.0000	OK
15 minute summer	PP-S35	17	0.508	0.008	0.4	0.0908	0.0000	OK
15 minute summer	PP-S36	19	0.519	0.019	1.9	0.3907	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	PP-S5	2.000_2	S5	2.3	0.838	0.032	0.0140	
15 minute summer	PP-S12	8.000_1	S12	0.8	0.705	0.009	0.0057	
15 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0005	
15 minute summer	PP-S2	10.000_1	S2	1.0	0.758	0.011	0.0067	
15 minute summer	PP-S15	12.000_1	S15	1.0	0.773	0.011	0.0065	
15 minute summer	PP-S75	13.000_1	S75	1.0	0.791	0.010	0.0062	
15 minute summer	PP-S24	14.000_1	S92	2.4	1.064	0.024	0.0114	
15 minute summer	PP-S30	18.000_1	S30	0.9	0.838	0.008	0.0054	
15 minute summer	PP-S33	20.000_1	S33	1.1	0.913	0.010	0.0062	
15 minute summer	PP-S34	21.000_1	S34	2.1	1.126	0.018	0.0093	
15 minute summer	PP-S35	22.000_2	S35	0.3	0.661	0.002	0.0023	
15 minute summer	PP-S36	23.000_2	S36	1.7	1.061	0.014	0.0079	

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Results for 1 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	21	-0.156	0.082	1.9	0.1447	0.0000	OK
15 minute winter	S25	19	-0.154	0.090	2.0	0.2291	0.0000	OK
15 minute winter	S16	20	-0.157	0.110	9.4	0.4888	0.0000	OK
15 minute winter	S145	18	-0.167	0.148	15.8	0.6376	0.0000	OK
15 minute winter	S4	24	-0.158	0.085	3.5	0.1507	0.0000	OK
15 minute winter	S5	25	-0.171	0.113	7.2	0.2004	0.0000	OK
15 minute winter	S9	22	-0.173	0.123	4.4	0.2827	0.0000	OK
15 minute winter	S10	27	-0.177	0.144	5.9	0.2549	0.0000	OK
15 minute winter	S11	27	-0.177	0.149	11.6	0.2628	0.0000	OK
15 minute winter	S12	27	-0.179	0.156	12.8	0.2751	0.0000	OK
15 minute winter	S1	22	-0.169	0.095	3.9	0.2245	0.0000	OK
15 minute winter	S3	23	-0.178	0.129	11.0	0.4129	0.0000	OK
15 minute winter	S2	24	-0.179	0.157	9.2	0.2775	0.0000	OK
15 minute winter	S14	18	-0.170	0.139	8.3	0.2453	0.0000	OK
15 minute winter	S15	25	-0.179	0.167	26.2	0.7516	0.0000	OK
15 minute winter	S75	17	-0.183	0.179	24.7	0.4558	0.0000	OK
15 minute winter	S87	13	-0.156	0.130	9.4	0.4205	0.0000	OK
15 minute winter	S88	13	-0.159	0.149	16.2	0.4865	0.0000	OK
15 minute winter	S89	13	-0.168	0.162	20.7	0.5250	0.0000	OK
15 minute winter	S90	15	-0.183	0.169	25.2	0.5396	0.0000	OK
15 minute winter	S92	17	-0.187	0.192	24.7	0.4876	0.0000	OK
15 minute winter	S81	13	-0.172	0.130	9.4	0.4200	0.0000	OK
15 minute winter	S82	13	-0.174	0.150	16.1	0.4861	0.0000	OK
15 minute winter	S83	13	-0.183	0.162	20.7	0.5222	0.0000	OK
15 minute winter	S84	16	-0.190	0.177	25.2	0.5623	0.0000	OK
15 minute winter	S86	16	-0.191	0.202	25.7	0.5128	0.0000	OK
15 minute winter	S76	13	-0.187	0.130	9.4	0.4169	0.0000	OK
15 minute winter	S77	13	-0.190	0.149	16.1	0.4827	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S26	1.000	S16	1.7	-0.115	0.024	1.4364	
15 minute winter	S25	2.000	S16	1.6	-0.128	0.023	1.2046	
15 minute winter	S16	1.001	S145	6.8	0.191	0.095	3.5195	
15 minute winter	S145	1.002	S75	12.2	0.340	0.173	4.8971	
15 minute winter	S4	3.000	S5	3.2	0.127	0.045	2.1464	
15 minute winter	S5	3.001	S11	5.7	-0.152	0.079	3.1396	
15 minute winter	S9	4.000	S10	-4.0	0.284	-0.057	1.9917	
15 minute winter	S10	4.001	S11	-5.9	0.434	-0.078	0.3890	
15 minute winter	S11	3.002	S12	-11.6	-0.328	-0.164	0.8552	
15 minute winter	S12	3.003	S15	-12.0	-0.297	-0.174	1.1871	
15 minute winter	S1	5.000	S3	2.8	0.137	0.039	2.6174	
15 minute winter	S3	5.001	S2	8.6	0.339	0.121	2.5108	
15 minute winter	S2	5.002	S15	7.2	0.299	0.105	1.1067	
15 minute winter	S14	6.000	S15	-8.3	-0.261	-0.118	3.4393	
15 minute winter	S15	3.004	S75	-14.6	-0.316	-0.204	1.7522	
15 minute winter	S75	1.003	S92	19.6	0.331	0.275	2.0732	
15 minute winter	S87	7.000	S88	6.7	0.226	0.094	1.8136	
15 minute winter	S88	7.001	S89	12.3	0.270	0.172	2.1087	
15 minute winter	S89	7.002	S90	18.2	0.350	0.256	2.2649	
15 minute winter	S90	7.003	S92	22.8	0.519	0.323	3.2138	
15 minute winter	S92	1.005	S86	19.5	0.323	0.275	1.8456	
15 minute winter	S81	8.000	S82	6.7	0.224	0.094	1.8222	
15 minute winter	S82	8.001	S83	12.4	0.265	0.178	2.1111	
15 minute winter	S83	8.002	S84	17.9	0.353	0.251	2.3171	
15 minute winter	S84	8.003	S86	22.1	0.489	0.311	3.2771	
15 minute winter	S86	1.006	S30	22.4	0.337	0.316	1.9496	
15 minute winter	S76	9.000	S77	6.7	0.226	0.094	1.8149	
15 minute winter	S77	9.001	S78	12.4	0.265	0.174	2.1158	

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Results for 1 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	13	-0.198	0.163	20.7	0.5228	0.0000	OK
15 minute winter	S79	16	-0.199	0.183	25.3	0.5765	0.0000	OK
15 minute winter	S30	16	-0.200	0.207	38.4	0.5269	0.0000	OK
15 minute winter	S31	20	-0.210	0.126	10.1	0.4186	0.0000	OK
15 minute winter	S32	22	-0.216	0.163	16.4	0.5049	0.0000	OK
15 minute winter	S33	23	-0.221	0.202	41.8	0.5130	0.0000	OK
15 minute winter	S34	23	-0.236	0.203	33.6	0.3590	0.0000	OK
15 minute winter	S35	22	-0.261	0.205	31.6	0.3621	0.0000	OK
15 minute winter	S36	20	-0.268	0.174	8.3	0.3083	0.0000	OK
15 minute winter	S37	22	-0.270	0.201	37.5	0.9894	0.0000	OK
15 minute winter	S38	26	-0.322	0.194	31.9	0.3431	0.0000	OK
15 minute winter	S39	31	-0.374	0.188	29.7	0.3322	0.0000	OK
15 minute winter	S56	33	-0.384	0.175	3.7	0.3096	0.0000	OK
15 minute winter	S57	33	-0.384	0.181	28.2	0.4611	0.0000	OK
15 minute winter	S125	34	-0.407	0.148	6.9	0.2618	0.0000	OK
15 minute winter	S127	33	-0.407	0.172	27.7	0.4374	0.0000	OK
15 minute winter	S119	35	-0.439	0.130	4.8	0.2295	0.0000	OK
15 minute winter	S60	36	-0.439	0.154	26.8	0.3908	0.0000	OK
15 minute winter	Pond Inlet 1	36	-0.513	0.097	26.4	0.1712	0.0000	OK
15 minute winter	Pond Outlet	1455	-0.582	0.028	19.7	0.0315	0.0000	OK
15 minute winter	S13	950	-0.582	0.056	0.3	0.1938	0.0000	OK
15 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute winter	PP-S26	21	0.526	0.026	1.5	0.6210	0.0000	OK
15 minute winter	PP-S25	20	0.522	0.022	1.3	0.4238	0.0000	OK
15 minute winter	PP-S16	20	0.527	0.027	2.3	0.6804	0.0000	OK
15 minute winter	PP-S145	19	0.526	0.026	2.7	0.6938	0.0000	OK
15 minute winter	PP-S4	20	0.527	0.027	2.1	0.6898	0.0000	OK
15 minute winter	PP-S1	25	0.521	0.021	5.4	3.9691	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S78	9.002	S79	17.9	0.353	0.257	2.3958	
15 minute winter	S79	9.003	S30	21.8	0.483	0.303	3.1903	
15 minute winter	S30	1.007	S33	33.2	0.548	0.467	2.1998	
15 minute winter	S31	10.000	S32	8.0	0.276	0.114	3.7041	
15 minute winter	S32	10.001	S33	13.0	0.381	0.182	5.1800	
15 minute winter	S33	1.008	S34	31.6	0.537	0.448	2.2290	
15 minute winter	S34	1.009	S35	31.2	0.518	0.440	3.7472	
15 minute winter	S35	1.010	S37	28.4	0.497	0.427	0.7863	
15 minute winter	S36	11.000	S37	-6.5	-0.144	-0.092	3.5836	
15 minute winter	S37	1.011	S38	31.9	0.531	0.452	6.0275	
15 minute winter	S38	1.012	S39	29.7	0.536	0.416	5.7358	
15 minute winter	S39	1.013	S57	28.2	0.581	0.445	0.4561	
15 minute winter	S56	12.011	S57	-3.7	-0.290	-0.055	0.7607	
15 minute winter	S57	1.014	S127	27.7	0.602	0.391	1.6188	
15 minute winter	S125	21.003	S127	-6.9	-0.279	-0.099	2.4886	
15 minute winter	S127	1.015	S60	26.4	0.658	0.370	1.4291	
15 minute winter	S119	22.003	S60	-4.8	-0.234	-0.068	2.1006	
15 minute winter	S60	1.016	Pond Inlet 1	26.4	0.735	0.348	1.0852	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	19.7	0.021	0.000	126.5460	
15 minute winter	Pond Outlet	1.018	S13	0.3	0.191	0.004	0.0417	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	1.0	0.422	0.027	0.0247	
15 minute winter	PP-S25	2.000_1	S25	1.1	0.556	0.018	0.0095	
15 minute winter	PP-S16	3.000_1	S16	1.9	0.743	0.029	0.0130	
15 minute winter	PP-S145	4.000_2	S145	2.3	0.918	0.028	0.0127	
15 minute winter	PP-S4	1.000_2	S4	1.7	0.634	0.030	0.0133	
15 minute winter	PP-S1	4.000_1	S1	1.2	0.632	0.018	0.0092	

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Results for 1 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	20	0.530	0.030	3.2	0.9141	0.0000	OK
15 minute winter	PP-S12	20	0.516	0.016	1.1	0.3711	0.0000	OK
15 minute winter	PP-S14	22	0.504	0.004	0.1	0.0648	0.0000	OK
15 minute winter	PP-S2	21	0.518	0.018	1.7	0.7186	0.0000	OK
15 minute winter	PP-S15	19	0.518	0.018	1.3	0.3183	0.0000	OK
15 minute winter	PP-S75	20	0.517	0.017	1.3	0.3365	0.0000	OK
15 minute winter	PP-S24	20	0.526	0.026	3.2	0.8175	0.0000	OK
15 minute winter	PP-S30	20	0.516	0.016	1.2	0.3043	0.0000	OK
15 minute winter	PP-S33	18	0.517	0.017	1.4	0.2905	0.0000	OK
15 minute winter	PP-S34	19	0.522	0.022	2.7	0.6914	0.0000	OK
15 minute winter	PP-S35	19	0.509	0.009	0.4	0.1060	0.0000	OK
15 minute winter	PP-S36	19	0.520	0.020	2.1	0.4359	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	PP-S5	2.000_2	S5	2.6	0.866	0.035	0.0150	
15 minute winter	PP-S12	8.000_1	S12	0.9	0.727	0.010	0.0062	
15 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0005	
15 minute winter	PP-S2	10.000_1	S2	1.1	0.786	0.013	0.0073	
15 minute winter	PP-S15	12.000_1	S15	1.2	0.806	0.012	0.0072	
15 minute winter	PP-S75	13.000_1	S75	1.1	0.818	0.011	0.0067	
15 minute winter	PP-S24	14.000_1	S92	2.7	1.098	0.026	0.0123	
15 minute winter	PP-S30	18.000_1	S30	1.0	0.874	0.009	0.0059	
15 minute winter	PP-S33	20.000_1	S33	1.3	0.943	0.011	0.0067	
15 minute winter	PP-S34	21.000_1	S34	2.3	1.163	0.020	0.0100	
15 minute winter	PP-S35	22.000_2	S35	0.4	0.695	0.003	0.0026	
15 minute winter	PP-S36	23.000_2	S36	1.9	1.100	0.016	0.0086	

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Results for 1 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	28	-0.154	0.084	1.5	0.1482	0.0000	OK
30 minute summer	S25	29	-0.156	0.088	1.4	0.2239	0.0000	OK
30 minute summer	S16	28	-0.157	0.110	8.5	0.4896	0.0000	OK
30 minute summer	S145	26	-0.167	0.148	15.0	0.6366	0.0000	OK
30 minute summer	S4	30	-0.155	0.088	3.7	0.1558	0.0000	OK
30 minute summer	S5	32	-0.163	0.121	6.8	0.2139	0.0000	OK
30 minute summer	S9	34	-0.163	0.133	4.0	0.3053	0.0000	OK
30 minute summer	S10	34	-0.165	0.156	4.9	0.2749	0.0000	OK
30 minute summer	S11	34	-0.166	0.160	10.7	0.2828	0.0000	OK
30 minute summer	S12	34	-0.168	0.167	11.9	0.2954	0.0000	OK
30 minute summer	S1	29	-0.162	0.102	4.0	0.2406	0.0000	OK
30 minute summer	S3	31	-0.170	0.137	9.6	0.4394	0.0000	OK
30 minute summer	S2	32	-0.170	0.166	8.4	0.2938	0.0000	OK
30 minute summer	S14	35	-0.170	0.139	7.3	0.2458	0.0000	OK
30 minute summer	S15	35	-0.170	0.176	23.7	0.7901	0.0000	OK
30 minute summer	S75	32	-0.173	0.189	19.1	0.4822	0.0000	OK
30 minute summer	S87	20	-0.164	0.122	7.8	0.3953	0.0000	OK
30 minute summer	S88	20	-0.167	0.141	13.8	0.4601	0.0000	OK
30 minute summer	S89	21	-0.175	0.155	18.3	0.5013	0.0000	OK
30 minute summer	S90	33	-0.182	0.170	22.6	0.5429	0.0000	OK
30 minute summer	S92	32	-0.182	0.197	21.1	0.5016	0.0000	OK
30 minute summer	S81	20	-0.180	0.122	7.8	0.3953	0.0000	OK
30 minute summer	S82	20	-0.182	0.142	13.9	0.4608	0.0000	OK
30 minute summer	S83	21	-0.188	0.157	18.2	0.5069	0.0000	OK
30 minute summer	S84	33	-0.191	0.176	22.4	0.5583	0.0000	OK
30 minute summer	S86	33	-0.191	0.202	24.6	0.5146	0.0000	OK
30 minute summer	S76	20	-0.195	0.122	7.8	0.3927	0.0000	OK
30 minute summer	S77	20	-0.197	0.142	13.9	0.4584	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S26	1.000	S16	1.5	-0.085	0.021	1.4646	
30 minute summer	S25	2.000	S16	1.2	-0.089	0.017	1.1981	
30 minute summer	S16	1.001	S145	6.5	0.177	0.091	3.5435	
30 minute summer	S145	1.002	S75	11.9	0.295	0.168	5.1140	
30 minute summer	S4	3.000	S5	2.8	0.123	0.040	2.2942	
30 minute summer	S5	3.001	S11	5.2	-0.134	0.073	3.4707	
30 minute summer	S9	4.000	S10	-3.2	0.248	-0.045	2.2271	
30 minute summer	S10	4.001	S11	-4.9	0.227	-0.064	0.4309	
30 minute summer	S11	3.002	S12	-10.7	-0.282	-0.152	0.9438	
30 minute summer	S12	3.003	S15	-11.1	-0.259	-0.161	1.2878	
30 minute summer	S1	5.000	S3	3.0	0.125	0.043	2.8386	
30 minute summer	S3	5.001	S2	7.7	0.312	0.109	2.7263	
30 minute summer	S2	5.002	S15	4.7	0.217	0.069	1.1901	
30 minute summer	S14	6.000	S15	-7.3	-0.238	-0.104	3.7030	
30 minute summer	S15	3.004	S75	-12.5	-0.254	-0.175	1.8894	
30 minute summer	S75	1.003	S92	19.0	0.296	0.267	2.1917	
30 minute summer	S87	7.000	S88	6.0	0.188	0.083	1.6720	
30 minute summer	S88	7.001	S89	11.2	0.253	0.157	1.9598	
30 minute summer	S89	7.002	S90	16.0	0.334	0.225	2.1879	
30 minute summer	S90	7.003	S92	19.2	0.418	0.272	3.3198	
30 minute summer	S92	1.005	S86	21.1	0.318	0.297	1.8892	
30 minute summer	S81	8.000	S82	6.0	0.185	0.084	1.6844	
30 minute summer	S82	8.001	S83	11.0	0.253	0.158	1.9904	
30 minute summer	S83	8.002	S84	15.4	0.326	0.216	2.3017	
30 minute summer	S84	8.003	S86	17.6	0.384	0.248	3.2713	
30 minute summer	S86	1.006	S30	22.6	0.336	0.319	1.9519	
30 minute summer	S76	9.000	S77	6.0	0.187	0.083	1.6809	
30 minute summer	S77	9.001	S78	10.8	0.253	0.152	2.0142	

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Results for 1 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	32	-0.200	0.161	18.2	0.5174	0.0000	OK
30 minute summer	S79	32	-0.200	0.182	22.2	0.5746	0.0000	OK
30 minute summer	S30	31	-0.200	0.207	35.4	0.5266	0.0000	OK
30 minute summer	S31	27	-0.206	0.130	8.4	0.4305	0.0000	OK
30 minute summer	S32	28	-0.208	0.171	14.0	0.5280	0.0000	OK
30 minute summer	S33	30	-0.210	0.213	36.4	0.5413	0.0000	OK
30 minute summer	S34	30	-0.226	0.213	31.5	0.3769	0.0000	OK
30 minute summer	S35	32	-0.251	0.215	31.1	0.3807	0.0000	OK
30 minute summer	S36	33	-0.260	0.182	5.8	0.3221	0.0000	OK
30 minute summer	S37	32	-0.260	0.211	35.4	1.0396	0.0000	OK
30 minute summer	S38	35	-0.311	0.205	33.2	0.3628	0.0000	OK
30 minute summer	S39	40	-0.361	0.201	32.1	0.3548	0.0000	OK
30 minute summer	S56	40	-0.371	0.188	3.3	0.3317	0.0000	OK
30 minute summer	S57	40	-0.371	0.194	31.3	0.4930	0.0000	OK
30 minute summer	S125	41	-0.395	0.160	7.1	0.2821	0.0000	OK
30 minute summer	S127	42	-0.396	0.183	30.7	0.4669	0.0000	OK
30 minute summer	S119	44	-0.429	0.140	4.9	0.2468	0.0000	OK
30 minute summer	S60	42	-0.429	0.164	30.3	0.4164	0.0000	OK
30 minute summer	Pond Inlet 1	45	-0.505	0.105	29.9	0.1863	0.0000	OK
30 minute summer	Pond Outlet	1468	-0.579	0.031	22.9	0.0354	0.0000	OK
30 minute summer	S13	1428	-0.579	0.059	0.3	0.2054	0.0000	OK
30 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute summer	PP-S26	29	0.526	0.026	1.4	0.6201	0.0000	OK
30 minute summer	PP-S25	28	0.521	0.021	1.2	0.4066	0.0000	OK
30 minute summer	PP-S16	28	0.526	0.026	2.1	0.6566	0.0000	OK
30 minute summer	PP-S145	27	0.526	0.026	2.5	0.6737	0.0000	OK
30 minute summer	PP-S4	28	0.527	0.027	1.9	0.6745	0.0000	OK
30 minute summer	PP-S1	34	0.522	0.022	4.9	4.2335	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S78	9.002	S79	15.1	0.318	0.217	2.4059	
30 minute summer	S79	9.003	S30	17.3	0.369	0.241	3.1818	
30 minute summer	S30	1.007	S33	32.4	0.492	0.455	2.2932	
30 minute summer	S31	10.000	S32	7.1	0.259	0.100	3.9431	
30 minute summer	S32	10.001	S33	8.9	0.293	0.124	5.5226	
30 minute summer	S33	1.008	S34	29.5	0.495	0.418	2.3819	
30 minute summer	S34	1.009	S35	30.8	0.489	0.433	3.9924	
30 minute summer	S35	1.010	S37	30.8	0.463	0.463	0.8387	
30 minute summer	S36	11.000	S37	-4.2	-0.102	-0.058	3.8345	
30 minute summer	S37	1.011	S38	33.2	0.518	0.470	6.4577	
30 minute summer	S38	1.012	S39	32.1	0.530	0.449	6.2477	
30 minute summer	S39	1.013	S57	31.3	0.558	0.494	0.4982	
30 minute summer	S56	12.011	S57	-3.3	-0.261	-0.048	0.8328	
30 minute summer	S57	1.014	S127	30.7	0.594	0.433	1.7651	
30 minute summer	S125	21.003	S127	-7.1	-0.276	-0.102	2.7351	
30 minute summer	S127	1.015	S60	30.0	0.610	0.422	1.5606	
30 minute summer	S119	22.003	S60	-4.9	-0.238	-0.070	2.3091	
30 minute summer	S60	1.016	Pond Inlet 1	29.9	0.754	0.396	1.1968	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	22.9	0.022	0.000	144.2784	
30 minute summer	Pond Outlet	1.018	S13	0.3	0.200	0.004	0.0465	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	1.0	0.422	0.027	0.0247	
30 minute summer	PP-S25	2.000_1	S25	1.0	0.549	0.018	0.0092	
30 minute summer	PP-S16	3.000_1	S16	1.9	0.734	0.028	0.0127	
30 minute summer	PP-S145	4.000_2	S145	2.3	0.909	0.027	0.0124	
30 minute summer	PP-S4	1.000_2	S4	1.6	0.629	0.029	0.0131	
30 minute summer	PP-S1	4.000_1	S1	1.3	0.646	0.019	0.0097	

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Results for 1 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	28	0.529	0.029	2.9	0.8903	0.0000	OK
30 minute summer	PP-S12	28	0.516	0.016	1.0	0.3633	0.0000	OK
30 minute summer	PP-S14	30	0.504	0.004	0.1	0.0688	0.0000	OK
30 minute summer	PP-S2	29	0.518	0.018	1.5	0.7070	0.0000	OK
30 minute summer	PP-S15	27	0.517	0.017	1.2	0.3018	0.0000	OK
30 minute summer	PP-S75	27	0.517	0.017	1.2	0.3255	0.0000	OK
30 minute summer	PP-S24	27	0.525	0.025	2.9	0.7942	0.0000	OK
30 minute summer	PP-S30	27	0.515	0.015	1.1	0.2924	0.0000	OK
30 minute summer	PP-S33	27	0.517	0.017	1.3	0.2785	0.0000	OK
30 minute summer	PP-S34	27	0.522	0.022	2.5	0.6709	0.0000	OK
30 minute summer	PP-S35	26	0.509	0.009	0.4	0.1059	0.0000	OK
30 minute summer	PP-S36	26	0.520	0.020	1.9	0.4147	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	PP-S5	2.000_2	S5	2.5	0.859	0.034	0.0148	
30 minute summer	PP-S12	8.000_1	S12	0.9	0.722	0.010	0.0061	
30 minute summer	PP-S14	11.000_1	S14	0.0	0.319	0.000	0.0005	
30 minute summer	PP-S2	10.000_1	S2	1.1	0.782	0.012	0.0072	
30 minute summer	PP-S15	12.000_1	S15	1.1	0.792	0.012	0.0069	
30 minute summer	PP-S75	13.000_1	S75	1.1	0.809	0.011	0.0065	
30 minute summer	PP-S24	14.000_1	S92	2.6	1.088	0.025	0.0120	
30 minute summer	PP-S30	18.000_1	S30	1.0	0.862	0.009	0.0057	
30 minute summer	PP-S33	20.000_1	S33	1.2	0.929	0.010	0.0064	
30 minute summer	PP-S34	21.000_1	S34	2.3	1.153	0.019	0.0098	
30 minute summer	PP-S35	22.000_2	S35	0.4	0.694	0.003	0.0026	
30 minute summer	PP-S36	23.000_2	S36	1.8	1.083	0.015	0.0083	

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Results for 1 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S26	28	-0.145	0.093	1.5	0.1646	0.0000	OK
30 minute winter	S25	29	-0.145	0.099	1.3	0.2507	0.0000	OK
30 minute winter	S16	29	-0.146	0.121	9.0	0.5350	0.0000	OK
30 minute winter	S145	33	-0.155	0.160	15.9	0.6892	0.0000	OK
30 minute winter	S4	30	-0.143	0.100	4.3	0.1765	0.0000	OK
30 minute winter	S5	31	-0.148	0.136	7.4	0.2403	0.0000	OK
30 minute winter	S9	33	-0.149	0.147	3.6	0.3389	0.0000	OK
30 minute winter	S10	33	-0.151	0.170	4.4	0.2999	0.0000	OK
30 minute winter	S11	33	-0.152	0.174	12.1	0.3079	0.0000	OK
30 minute winter	S12	33	-0.154	0.181	13.5	0.3205	0.0000	OK
30 minute winter	S1	29	-0.151	0.113	4.1	0.2667	0.0000	OK
30 minute winter	S3	36	-0.156	0.151	8.9	0.4837	0.0000	OK
30 minute winter	S2	33	-0.157	0.179	8.0	0.3162	0.0000	OK
30 minute winter	S14	34	-0.155	0.154	7.0	0.2730	0.0000	OK
30 minute winter	S15	33	-0.156	0.190	24.1	0.8540	0.0000	OK
30 minute winter	S75	34	-0.159	0.203	21.2	0.5158	0.0000	OK
30 minute winter	S87	21	-0.163	0.123	7.0	0.3976	0.0000	OK
30 minute winter	S88	21	-0.165	0.143	12.7	0.4652	0.0000	OK
30 minute winter	S89	36	-0.169	0.161	17.5	0.5230	0.0000	OK
30 minute winter	S90	32	-0.169	0.183	21.8	0.5822	0.0000	OK
30 minute winter	S92	32	-0.169	0.210	23.5	0.5342	0.0000	OK
30 minute winter	S81	22	-0.177	0.125	7.0	0.4025	0.0000	OK
30 minute winter	S82	22	-0.178	0.146	12.7	0.4749	0.0000	OK
30 minute winter	S83	33	-0.179	0.166	17.3	0.5370	0.0000	OK
30 minute winter	S84	32	-0.178	0.189	21.2	0.5999	0.0000	OK
30 minute winter	S86	32	-0.178	0.215	25.1	0.5484	0.0000	OK
30 minute winter	S76	32	-0.187	0.130	7.0	0.4190	0.0000	OK
30 minute winter	S77	32	-0.187	0.152	12.7	0.4914	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S26	1.000	S16	1.4	-0.081	0.020	1.6688	
30 minute winter	S25	2.000	S16	1.3	-0.082	0.019	1.3835	
30 minute winter	S16	1.001	S145	7.1	0.169	0.099	3.9712	
30 minute winter	S145	1.002	S75	12.7	0.295	0.180	5.6580	
30 minute winter	S4	3.000	S5	2.6	0.123	0.038	2.7142	
30 minute winter	S5	3.001	S11	5.8	-0.141	0.081	3.9828	
30 minute winter	S9	4.000	S10	2.6	0.238	0.037	2.5366	
30 minute winter	S10	4.001	S11	-4.4	0.292	-0.058	0.4842	
30 minute winter	S11	3.002	S12	-12.1	-0.287	-0.171	1.0559	
30 minute winter	S12	3.003	S15	-12.6	-0.257	-0.184	1.4327	
30 minute winter	S1	5.000	S3	3.2	0.122	0.045	3.2634	
30 minute winter	S3	5.001	S2	7.3	0.300	0.103	3.0510	
30 minute winter	S2	5.002	S15	5.2	0.212	0.076	1.3172	
30 minute winter	S14	6.000	S15	-7.0	-0.231	-0.099	4.1791	
30 minute winter	S15	3.004	S75	-12.8	0.242	-0.178	2.0794	
30 minute winter	S75	1.003	S92	21.6	0.307	0.303	2.3865	
30 minute winter	S87	7.000	S88	5.7	0.177	0.080	1.6923	
30 minute winter	S88	7.001	S89	10.8	0.246	0.152	2.0163	
30 minute winter	S89	7.002	S90	15.3	0.322	0.214	2.4117	
30 minute winter	S90	7.003	S92	18.4	0.407	0.262	3.6232	
30 minute winter	S92	1.005	S86	23.7	0.330	0.334	2.0511	
30 minute winter	S81	8.000	S82	5.7	0.175	0.080	1.7431	
30 minute winter	S82	8.001	S83	10.5	0.244	0.150	2.1117	
30 minute winter	S83	8.002	S84	14.5	0.314	0.204	2.5236	
30 minute winter	S84	8.003	S86	16.6	0.375	0.233	3.5738	
30 minute winter	S86	1.006	S30	25.3	0.344	0.356	2.1188	
30 minute winter	S76	9.000	S77	5.7	0.177	0.079	1.8459	
30 minute winter	S77	9.001	S78	10.3	0.242	0.145	2.2457	

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Results for 1 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	31	-0.187	0.174	17.1	0.5593	0.0000	OK
30 minute winter	S79	31	-0.187	0.195	20.9	0.6158	0.0000	OK
30 minute winter	S30	32	-0.187	0.220	36.6	0.5604	0.0000	OK
30 minute winter	S31	30	-0.196	0.140	7.6	0.4628	0.0000	OK
30 minute winter	S32	28	-0.195	0.184	13.1	0.5667	0.0000	OK
30 minute winter	S33	29	-0.198	0.225	36.0	0.5731	0.0000	OK
30 minute winter	S34	30	-0.213	0.226	34.2	0.3997	0.0000	OK
30 minute winter	S35	31	-0.237	0.229	34.1	0.4044	0.0000	OK
30 minute winter	S36	32	-0.246	0.196	5.7	0.3464	0.0000	OK
30 minute winter	S37	31	-0.246	0.225	38.4	1.1044	0.0000	OK
30 minute winter	S38	35	-0.298	0.218	37.2	0.3857	0.0000	OK
30 minute winter	S39	39	-0.349	0.213	35.9	0.3762	0.0000	OK
30 minute winter	S56	39	-0.360	0.199	3.0	0.3521	0.0000	OK
30 minute winter	S57	39	-0.360	0.205	34.9	0.5223	0.0000	OK
30 minute winter	S125	42	-0.385	0.170	7.6	0.3006	0.0000	OK
30 minute winter	S127	41	-0.385	0.194	34.3	0.4938	0.0000	OK
30 minute winter	S119	42	-0.420	0.149	5.3	0.2637	0.0000	OK
30 minute winter	S60	41	-0.420	0.173	33.9	0.4401	0.0000	OK
30 minute winter	Pond Inlet 1	44	-0.496	0.114	33.5	0.2006	0.0000	OK
30 minute winter	Pond Outlet	1468	-0.575	0.035	25.9	0.0391	0.0000	OK
30 minute winter	S13	1160	-0.575	0.063	0.4	0.2172	0.0000	OK
30 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute winter	PP-S26	29	0.526	0.026	1.5	0.6562	0.0000	OK
30 minute winter	PP-S25	28	0.522	0.022	1.3	0.4436	0.0000	OK
30 minute winter	PP-S16	27	0.527	0.027	2.4	0.7171	0.0000	OK
30 minute winter	PP-S145	27	0.527	0.027	2.7	0.7180	0.0000	OK
30 minute winter	PP-S4	28	0.528	0.028	2.2	0.7309	0.0000	OK
30 minute winter	PP-S1	34	0.523	0.023	5.4	4.7082	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S78	9.002	S79	14.2	0.305	0.204	2.6541	
30 minute winter	S79	9.003	S30	15.9	0.360	0.221	3.4670	
30 minute winter	S30	1.007	S33	34.7	0.487	0.488	2.4738	
30 minute winter	S31	10.000	S32	6.7	0.246	0.094	4.3770	
30 minute winter	S32	10.001	S33	8.2	0.296	0.115	5.9953	
30 minute winter	S33	1.008	S34	31.9	0.483	0.452	2.5631	
30 minute winter	S34	1.009	S35	33.8	0.479	0.476	4.3103	
30 minute winter	S35	1.010	S37	33.7	0.444	0.507	0.9064	
30 minute winter	S36	11.000	S37	-4.0	-0.106	-0.057	4.1786	
30 minute winter	S37	1.011	S38	37.2	0.526	0.526	6.9925	
30 minute winter	S38	1.012	S39	35.9	0.539	0.502	6.7562	
30 minute winter	S39	1.013	S57	34.9	0.584	0.551	0.5375	
30 minute winter	S56	12.011	S57	-3.0	-0.276	-0.044	0.8996	
30 minute winter	S57	1.014	S127	34.3	0.614	0.485	1.9039	
30 minute winter	S125	21.003	S127	-7.6	-0.279	-0.109	2.9635	
30 minute winter	S127	1.015	S60	33.6	0.637	0.472	1.6816	
30 minute winter	S119	22.003	S60	-5.3	-0.246	-0.076	2.5065	
30 minute winter	S60	1.016	Pond Inlet 1	33.5	0.772	0.442	1.3042	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	25.9	0.024	0.001	161.2432	
30 minute winter	Pond Outlet	1.018	S13	0.4	0.208	0.005	0.0514	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	1.1	0.429	0.029	0.0259	
30 minute winter	PP-S25	2.000_1	S25	1.1	0.564	0.019	0.0098	
30 minute winter	PP-S16	3.000_1	S16	2.0	0.755	0.030	0.0135	
30 minute winter	PP-S145	4.000_2	S145	2.4	0.928	0.029	0.0130	
30 minute winter	PP-S4	1.000_2	S4	1.8	0.646	0.031	0.0139	
30 minute winter	PP-S1	4.000_1	S1	1.4	0.669	0.021	0.0106	

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Results for 1 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	PP-S5	27	0.531	0.031	3.2	0.9703	0.0000	OK
30 minute winter	PP-S12	27	0.517	0.017	1.2	0.3929	0.0000	OK
30 minute winter	PP-S14	31	0.504	0.004	0.1	0.0764	0.0000	OK
30 minute winter	PP-S2	29	0.519	0.019	1.7	0.7698	0.0000	OK
30 minute winter	PP-S15	27	0.518	0.018	1.3	0.3272	0.0000	OK
30 minute winter	PP-S75	27	0.517	0.017	1.3	0.3484	0.0000	OK
30 minute winter	PP-S24	27	0.526	0.026	3.2	0.8644	0.0000	OK
30 minute winter	PP-S30	27	0.516	0.016	1.2	0.3185	0.0000	OK
30 minute winter	PP-S33	26	0.517	0.017	1.4	0.3033	0.0000	OK
30 minute winter	PP-S34	27	0.523	0.023	2.7	0.7153	0.0000	OK
30 minute winter	PP-S35	27	0.509	0.009	0.4	0.1095	0.0000	OK
30 minute winter	PP-S36	26	0.521	0.021	2.1	0.4504	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	PP-S5	2.000_2	S5	2.8	0.882	0.037	0.0157	
30 minute winter	PP-S12	8.000_1	S12	1.0	0.741	0.011	0.0065	
30 minute winter	PP-S14	11.000_1	S14	0.0	0.325	0.000	0.0006	
30 minute winter	PP-S2	10.000_1	S2	1.2	0.804	0.014	0.0077	
30 minute winter	PP-S15	12.000_1	S15	1.2	0.814	0.013	0.0074	
30 minute winter	PP-S75	13.000_1	S75	1.1	0.828	0.012	0.0069	
30 minute winter	PP-S24	14.000_1	S92	2.9	1.117	0.028	0.0128	
30 minute winter	PP-S30	18.000_1	S30	1.1	0.887	0.010	0.0061	
30 minute winter	PP-S33	20.000_1	S33	1.3	0.957	0.012	0.0069	
30 minute winter	PP-S34	21.000_1	S34	2.4	1.176	0.020	0.0103	
30 minute winter	PP-S35	22.000_2	S35	0.4	0.702	0.003	0.0027	
30 minute winter	PP-S36	23.000_2	S36	2.0	1.111	0.016	0.0088	

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Results for 1 year 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	S26	44	-0.155	0.083	1.0	0.1460	0.0000	OK
60 minute summer	S25	44	-0.156	0.088	0.9	0.2247	0.0000	OK
60 minute summer	S16	44	-0.156	0.111	7.4	0.4909	0.0000	OK
60 minute summer	S145	49	-0.162	0.153	13.7	0.6588	0.0000	OK
60 minute summer	S4	45	-0.155	0.088	3.3	0.1551	0.0000	OK
60 minute summer	S5	46	-0.158	0.126	5.8	0.2229	0.0000	OK
60 minute summer	S9	48	-0.159	0.137	2.1	0.3154	0.0000	OK
60 minute summer	S10	48	-0.161	0.160	2.7	0.2833	0.0000	OK
60 minute summer	S11	48	-0.161	0.165	8.9	0.2915	0.0000	OK
60 minute summer	S12	48	-0.162	0.173	10.3	0.3052	0.0000	OK
60 minute summer	S1	53	-0.159	0.105	3.1	0.2466	0.0000	OK
60 minute summer	S3	51	-0.162	0.145	7.5	0.4639	0.0000	OK
60 minute summer	S2	50	-0.163	0.173	5.8	0.3060	0.0000	OK
60 minute summer	S14	49	-0.162	0.147	4.2	0.2600	0.0000	OK
60 minute summer	S15	49	-0.163	0.183	16.9	0.8222	0.0000	OK
60 minute summer	S75	50	-0.166	0.196	19.0	0.4984	0.0000	OK
60 minute summer	S87	52	-0.170	0.116	5.7	0.3748	0.0000	OK
60 minute summer	S88	51	-0.171	0.137	10.3	0.4480	0.0000	OK
60 minute summer	S89	51	-0.171	0.159	13.9	0.5149	0.0000	OK
60 minute summer	S90	52	-0.172	0.180	17.2	0.5740	0.0000	OK
60 minute summer	S92	52	-0.173	0.206	22.5	0.5243	0.0000	OK
60 minute summer	S81	53	-0.180	0.122	5.7	0.3927	0.0000	OK
60 minute summer	S82	54	-0.180	0.144	10.2	0.4662	0.0000	OK
60 minute summer	S83	54	-0.181	0.164	13.5	0.5302	0.0000	OK
60 minute summer	S84	52	-0.181	0.186	16.4	0.5901	0.0000	OK
60 minute summer	S86	52	-0.181	0.212	24.8	0.5387	0.0000	OK
60 minute summer	S76	49	-0.191	0.126	5.7	0.4052	0.0000	OK
60 minute summer	S77	51	-0.191	0.148	10.1	0.4782	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S26	1.000	S16	1.1	0.043	0.015	1.4559	
60 minute summer	S25	2.000	S16	1.0	0.039	0.014	1.2071	
60 minute summer	S16	1.001	S145	5.8	0.163	0.081	3.6571	
60 minute summer	S145	1.002	S75	10.9	0.240	0.154	5.3788	
60 minute summer	S4	3.000	S5	1.9	0.109	0.026	2.3908	
60 minute summer	S5	3.001	S11	4.6	0.108	0.065	3.6526	
60 minute summer	S9	4.000	S10	1.5	0.154	0.021	2.3243	
60 minute summer	S10	4.001	S11	-2.7	0.140	-0.035	0.4489	
60 minute summer	S11	3.002	S12	-8.9	-0.233	-0.127	0.9850	
60 minute summer	S12	3.003	S15	-9.5	-0.214	-0.139	1.3517	
60 minute summer	S1	5.000	S3	2.5	0.132	0.035	3.0582	
60 minute summer	S3	5.001	S2	5.1	0.224	0.072	2.9026	
60 minute summer	S2	5.002	S15	4.3	0.130	0.063	1.2563	
60 minute summer	S14	6.000	S15	-4.2	-0.157	-0.059	3.9465	
60 minute summer	S15	3.004	S75	10.6	0.171	0.148	1.9827	
60 minute summer	S75	1.003	S92	18.9	0.277	0.266	2.3031	
60 minute summer	S87	7.000	S88	4.6	0.160	0.064	1.5828	
60 minute summer	S88	7.001	S89	8.5	0.220	0.119	1.9720	
60 minute summer	S89	7.002	S90	12.0	0.270	0.168	2.3694	
60 minute summer	S90	7.003	S92	14.4	0.296	0.205	3.5448	
60 minute summer	S92	1.005	S86	22.2	0.309	0.312	2.0034	
60 minute summer	S81	8.000	S82	4.4	0.155	0.062	1.6906	
60 minute summer	S82	8.001	S83	8.0	0.206	0.114	2.0785	
60 minute summer	S83	8.002	S84	11.1	0.243	0.156	2.4750	
60 minute summer	S84	8.003	S86	13.3	0.254	0.187	3.4943	
60 minute summer	S86	1.006	S30	24.9	0.336	0.351	2.0661	
60 minute summer	S76	9.000	S77	4.4	0.153	0.061	1.7699	
60 minute summer	S77	9.001	S78	7.7	0.197	0.108	2.1705	

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Results for 1 year 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	S78	50	-0.191	0.170	13.2	0.5460	0.0000	OK
60 minute summer	S79	50	-0.191	0.191	16.0	0.6022	0.0000	OK
60 minute summer	S30	52	-0.191	0.216	32.3	0.5486	0.0000	OK
60 minute summer	S31	55	-0.205	0.131	6.1	0.4354	0.0000	OK
60 minute summer	S32	43	-0.204	0.175	10.0	0.5390	0.0000	OK
60 minute summer	S33	45	-0.205	0.218	31.8	0.5552	0.0000	OK
60 minute summer	S34	46	-0.220	0.219	32.0	0.3874	0.0000	OK
60 minute summer	S35	47	-0.243	0.223	32.0	0.3932	0.0000	OK
60 minute summer	S36	47	-0.252	0.190	2.7	0.3352	0.0000	OK
60 minute summer	S37	47	-0.252	0.219	35.8	1.0750	0.0000	OK
60 minute summer	S38	53	-0.301	0.215	35.0	0.3793	0.0000	OK
60 minute summer	S39	57	-0.350	0.212	34.1	0.3739	0.0000	OK
60 minute summer	S56	58	-0.361	0.198	1.5	0.3503	0.0000	OK
60 minute summer	S57	58	-0.361	0.204	33.5	0.5198	0.0000	OK
60 minute summer	S125	60	-0.386	0.169	4.9	0.2993	0.0000	OK
60 minute summer	S127	59	-0.386	0.193	33.3	0.4920	0.0000	OK
60 minute summer	S119	60	-0.421	0.148	4.1	0.2623	0.0000	OK
60 minute summer	S60	62	-0.421	0.172	33.2	0.4387	0.0000	OK
60 minute summer	Pond Inlet 1	62	-0.496	0.114	33.1	0.2006	0.0000	OK
60 minute summer	Pond Outlet	1493	-0.573	0.037	28.1	0.0422	0.0000	OK
60 minute summer	S13	1146	-0.573	0.065	0.4	0.2265	0.0000	OK
60 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute summer	PP-S26	44	0.525	0.025	1.3	0.5852	0.0000	OK
60 minute summer	PP-S25	43	0.520	0.020	1.1	0.3805	0.0000	OK
60 minute summer	PP-S16	42	0.525	0.025	2.0	0.6067	0.0000	OK
60 minute summer	PP-S145	41	0.525	0.025	2.3	0.6190	0.0000	OK
60 minute summer	PP-S4	43	0.526	0.026	1.8	0.6296	0.0000	OK
60 minute summer	PP-S1	51	0.523	0.023	4.5	4.4967	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S78	9.002	S79	10.6	0.228	0.152	2.5731	
60 minute summer	S79	9.003	S30	12.7	0.236	0.176	3.3696	
60 minute summer	S30	1.007	S33	30.7	0.450	0.432	2.3936	
60 minute summer	S31	10.000	S32	4.6	0.203	0.066	4.1013	
60 minute summer	S32	10.001	S33	3.8	0.182	0.053	5.7305	
60 minute summer	S33	1.008	S34	30.1	0.436	0.427	2.4636	
60 minute summer	S34	1.009	S35	31.7	0.432	0.446	4.1545	
60 minute summer	S35	1.010	S37	31.7	0.413	0.477	0.8751	
60 minute summer	S36	11.000	S37	-1.4	-0.071	-0.020	4.0239	
60 minute summer	S37	1.011	S38	35.0	0.491	0.496	6.8071	
60 minute summer	S38	1.012	S39	34.1	0.495	0.477	6.6780	
60 minute summer	S39	1.013	S57	33.5	0.508	0.529	0.5336	
60 minute summer	S56	12.011	S57	-1.5	-0.197	-0.021	0.8937	
60 minute summer	S57	1.014	S127	33.3	0.558	0.471	1.8948	
60 minute summer	S125	21.003	S127	-4.9	-0.227	-0.071	2.9488	
60 minute summer	S127	1.015	S60	33.1	0.583	0.465	1.6734	
60 minute summer	S119	22.003	S60	-4.1	-0.210	-0.058	2.4999	
60 minute summer	S60	1.016	Pond Inlet 1	33.1	0.767	0.437	1.3005	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	28.1	0.025	0.001	175.3993	
60 minute summer	Pond Outlet	1.018	S13	0.4	0.212	0.005	0.0555	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	1.0	0.415	0.025	0.0236	
60 minute summer	PP-S25	2.000_1	S25	0.9	0.538	0.016	0.0088	
60 minute summer	PP-S16	3.000_1	S16	1.7	0.716	0.025	0.0119	
60 minute summer	PP-S145	4.000_2	S145	2.1	0.885	0.024	0.0116	
60 minute summer	PP-S4	1.000_2	S4	1.5	0.616	0.027	0.0124	
60 minute summer	PP-S1	4.000_1	S1	1.3	0.659	0.020	0.0102	

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Results for 1 year 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	PP-S5	42	0.528	0.028	2.7	0.8248	0.0000	OK
60 minute summer	PP-S12	43	0.516	0.016	1.0	0.3470	0.0000	OK
60 minute summer	PP-S14	45	0.504	0.004	0.1	0.0688	0.0000	OK
60 minute summer	PP-S2	44	0.517	0.017	1.4	0.6724	0.0000	OK
60 minute summer	PP-S15	41	0.517	0.017	1.1	0.2810	0.0000	OK
60 minute summer	PP-S75	41	0.516	0.016	1.1	0.3001	0.0000	OK
60 minute summer	PP-S24	42	0.524	0.024	2.7	0.7325	0.0000	OK
60 minute summer	PP-S30	41	0.515	0.015	1.0	0.2700	0.0000	OK
60 minute summer	PP-S33	40	0.516	0.016	1.2	0.2595	0.0000	OK
60 minute summer	PP-S34	41	0.521	0.021	2.3	0.6168	0.0000	OK
60 minute summer	PP-S35	44	0.508	0.008	0.3	0.0874	0.0000	OK
60 minute summer	PP-S36	41	0.519	0.019	1.8	0.3816	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP-S5	2.000_2	S5	2.3	0.838	0.032	0.0139	
60 minute summer	PP-S12	8.000_1	S12	0.8	0.711	0.009	0.0059	
60 minute summer	PP-S14	11.000_1	S14	0.0	0.319	0.000	0.0005	
60 minute summer	PP-S2	10.000_1	S2	1.1	0.769	0.012	0.0070	
60 minute summer	PP-S15	12.000_1	S15	1.0	0.773	0.011	0.0066	
60 minute summer	PP-S75	13.000_1	S75	1.0	0.787	0.010	0.0061	
60 minute summer	PP-S24	14.000_1	S92	2.4	1.061	0.023	0.0113	
60 minute summer	PP-S30	18.000_1	S30	0.9	0.839	0.008	0.0054	
60 minute summer	PP-S33	20.000_1	S33	1.1	0.907	0.010	0.0061	
60 minute summer	PP-S34	21.000_1	S34	2.1	1.123	0.017	0.0092	
60 minute summer	PP-S35	22.000_2	S35	0.3	0.653	0.002	0.0022	
60 minute summer	PP-S36	23.000_2	S36	1.6	1.053	0.014	0.0078	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	-0.146	0.092	1.0	0.1622	0.0000	OK
60 minute winter	S25	50	-0.146	0.098	1.0	0.2490	0.0000	OK
60 minute winter	S16	50	-0.146	0.121	6.9	0.5349	0.0000	OK
60 minute winter	S145	50	-0.149	0.166	13.2	0.7126	0.0000	OK
60 minute winter	S4	47	-0.148	0.095	2.9	0.1678	0.0000	OK
60 minute winter	S5	49	-0.149	0.135	5.2	0.2381	0.0000	OK
60 minute winter	S9	51	-0.150	0.146	2.1	0.3356	0.0000	OK
60 minute winter	S10	51	-0.151	0.170	2.3	0.3009	0.0000	OK
60 minute winter	S11	51	-0.151	0.175	7.4	0.3096	0.0000	OK
60 minute winter	S12	51	-0.151	0.184	8.4	0.3248	0.0000	OK
60 minute winter	S1	51	-0.146	0.118	2.5	0.2770	0.0000	OK
60 minute winter	S3	52	-0.149	0.158	6.3	0.5042	0.0000	OK
60 minute winter	S2	53	-0.151	0.185	4.6	0.3273	0.0000	OK
60 minute winter	S14	54	-0.151	0.158	3.3	0.2799	0.0000	OK
60 minute winter	S15	53	-0.151	0.195	13.7	0.8760	0.0000	OK
60 minute winter	S75	49	-0.154	0.208	19.1	0.5304	0.0000	OK
60 minute winter	S87	52	-0.157	0.129	4.6	0.4172	0.0000	OK
60 minute winter	S88	52	-0.158	0.150	8.5	0.4897	0.0000	OK
60 minute winter	S89	52	-0.158	0.172	11.7	0.5564	0.0000	OK
60 minute winter	S90	52	-0.159	0.193	14.5	0.6150	0.0000	OK
60 minute winter	S92	53	-0.160	0.219	23.7	0.5584	0.0000	OK
60 minute winter	S81	52	-0.166	0.136	4.6	0.4378	0.0000	OK
60 minute winter	S82	53	-0.166	0.158	8.4	0.5117	0.0000	OK
60 minute winter	S83	54	-0.167	0.178	11.2	0.5757	0.0000	OK
60 minute winter	S84	55	-0.167	0.200	13.7	0.6345	0.0000	OK
60 minute winter	S86	53	-0.167	0.226	27.1	0.5742	0.0000	OK
60 minute winter	S76	55	-0.176	0.141	4.6	0.4525	0.0000	OK
60 minute winter	S77	53	-0.176	0.163	8.3	0.5257	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	S26	1.000	S16	1.0	0.038	0.014	1.6628	
60 minute winter	S25	2.000	S16	0.8	0.038	0.012	1.3776	
60 minute winter	S16	1.001	S145	5.2	0.163	0.073	4.1179	
60 minute winter	S145	1.002	S75	10.5	0.237	0.149	5.8983	
60 minute winter	S4	3.000	S5	1.6	0.109	0.023	2.6386	
60 minute winter	S5	3.001	S11	3.7	0.107	0.052	3.9945	
60 minute winter	S9	4.000	S10	1.2	0.163	0.017	2.5274	
60 minute winter	S10	4.001	S11	-2.3	0.154	-0.030	0.4870	
60 minute winter	S11	3.002	S12	-7.4	-0.192	-0.104	1.0695	
60 minute winter	S12	3.003	S15	-7.7	-0.184	-0.112	1.4697	
60 minute winter	S1	5.000	S3	2.4	0.129	0.034	3.5060	
60 minute winter	S3	5.001	S2	4.0	0.215	0.057	3.2142	
60 minute winter	S2	5.002	S15	4.6	0.137	0.068	1.3707	
60 minute winter	S14	6.000	S15	-3.3	-0.149	-0.046	4.3207	
60 minute winter	S15	3.004	S75	10.3	0.184	0.144	2.1536	
60 minute winter	S75	1.003	S92	19.0	0.257	0.268	2.5015	
60 minute winter	S87	7.000	S88	3.8	0.151	0.054	1.8136	
60 minute winter	S88	7.001	S89	7.1	0.206	0.100	2.2087	
60 minute winter	S89	7.002	S90	10.0	0.245	0.141	2.6142	
60 minute winter	S90	7.003	S92	12.2	0.257	0.173	3.8633	
60 minute winter	S92	1.005	S86	23.7	0.303	0.334	2.1739	
60 minute winter	S81	8.000	S82	3.7	0.149	0.051	1.9435	
60 minute winter	S82	8.001	S83	6.6	0.197	0.095	2.3398	
60 minute winter	S83	8.002	S84	9.2	0.222	0.129	2.7440	
60 minute winter	S84	8.003	S86	11.2	0.245	0.158	3.8169	
60 minute winter	S86	1.006	S30	27.1	0.337	0.382	2.2433	
60 minute winter	S76	9.000	S77	3.6	0.149	0.050	2.0354	
60 minute winter	S77	9.001	S78	6.3	0.193	0.088	2.4453	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	54	-0.177	0.184	10.9	0.5928	0.0000	OK
60 minute winter	S79	55	-0.177	0.205	13.3	0.6484	0.0000	OK
60 minute winter	S30	53	-0.177	0.230	32.8	0.5852	0.0000	OK
60 minute winter	S31	52	-0.190	0.146	4.9	0.4834	0.0000	OK
60 minute winter	S32	52	-0.190	0.189	7.7	0.5832	0.0000	OK
60 minute winter	S33	51	-0.190	0.233	34.1	0.5924	0.0000	OK
60 minute winter	S34	50	-0.206	0.233	34.9	0.4124	0.0000	OK
60 minute winter	S35	50	-0.230	0.236	34.9	0.4175	0.0000	OK
60 minute winter	S36	50	-0.239	0.203	2.4	0.3589	0.0000	OK
60 minute winter	S37	50	-0.239	0.232	39.4	1.1411	0.0000	OK
60 minute winter	S38	54	-0.288	0.228	38.5	0.4037	0.0000	OK
60 minute winter	S39	58	-0.338	0.224	37.7	0.3965	0.0000	OK
60 minute winter	S56	58	-0.349	0.210	1.6	0.3719	0.0000	OK
60 minute winter	S57	58	-0.349	0.216	37.3	0.5509	0.0000	OK
60 minute winter	S125	61	-0.374	0.181	4.8	0.3192	0.0000	OK
60 minute winter	S127	60	-0.374	0.205	37.2	0.5208	0.0000	OK
60 minute winter	S119	61	-0.410	0.159	4.0	0.2802	0.0000	OK
60 minute winter	S60	62	-0.410	0.183	37.0	0.4645	0.0000	OK
60 minute winter	Pond Inlet 1	63	-0.488	0.122	37.0	0.2161	0.0000	OK
60 minute winter	Pond Outlet	1499	-0.569	0.041	31.8	0.0468	0.0000	OK
60 minute winter	S13	981	-0.568	0.070	0.4	0.2408	0.0000	OK
60 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	44	0.525	0.025	1.3	0.5957	0.0000	OK
60 minute winter	PP-S25	42	0.521	0.021	1.1	0.3882	0.0000	OK
60 minute winter	PP-S16	42	0.525	0.025	1.9	0.6117	0.0000	OK
60 minute winter	PP-S145	42	0.525	0.025	2.2	0.6155	0.0000	OK
60 minute winter	PP-S4	42	0.526	0.026	1.8	0.6400	0.0000	OK
60 minute winter	PP-S1	53	0.524	0.024	4.5	4.9683	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	S78	9.002	S79	8.7	0.213	0.126	2.8527	
60 minute winter	S79	9.003	S30	10.7	0.240	0.149	3.6847	
60 minute winter	S30	1.007	S33	31.3	0.437	0.439	2.6009	
60 minute winter	S31	10.000	S32	3.5	0.192	0.050	4.6426	
60 minute winter	S32	10.001	S33	2.7	0.197	0.037	6.2912	
60 minute winter	S33	1.008	S34	33.5	0.421	0.475	2.6727	
60 minute winter	S34	1.009	S35	34.6	0.422	0.488	4.4931	
60 minute winter	S35	1.010	S37	34.9	0.420	0.525	0.9443	
60 minute winter	S36	11.000	S37	-1.6	-0.075	-0.022	4.3694	
60 minute winter	S37	1.011	S38	38.5	0.492	0.545	7.3701	
60 minute winter	S38	1.012	S39	37.7	0.496	0.528	7.2184	
60 minute winter	S39	1.013	S57	37.3	0.508	0.589	0.5755	
60 minute winter	S56	12.011	S57	-1.6	-0.207	-0.023	0.9650	
60 minute winter	S57	1.014	S127	37.2	0.550	0.526	2.0425	
60 minute winter	S125	21.003	S127	-4.8	-0.229	-0.069	3.1952	
60 minute winter	S127	1.015	S60	37.0	0.573	0.520	1.8050	
60 minute winter	S119	22.003	S60	-4.0	-0.206	-0.057	2.7160	
60 minute winter	S60	1.016	Pond Inlet 1	37.0	0.784	0.488	1.4184	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	31.8	0.026	0.001	196.2553	
60 minute winter	Pond Outlet	1.018	S13	0.4	0.220	0.006	0.0617	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	1.0	0.417	0.026	0.0239	
60 minute winter	PP-S25	2.000_1	S25	1.0	0.542	0.017	0.0089	
60 minute winter	PP-S16	3.000_1	S16	1.7	0.718	0.025	0.0120	
60 minute winter	PP-S145	4.000_2	S145	2.0	0.884	0.024	0.0116	
60 minute winter	PP-S4	1.000_2	S4	1.6	0.619	0.027	0.0126	
60 minute winter	PP-S1	4.000_1	S1	1.5	0.682	0.023	0.0110	

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Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	42	0.528	0.028	2.6	0.8296	0.0000	OK
60 minute winter	PP-S12	43	0.516	0.016	1.0	0.3479	0.0000	OK
60 minute winter	PP-S14	46	0.504	0.004	0.1	0.0764	0.0000	OK
60 minute winter	PP-S2	44	0.518	0.018	1.4	0.6970	0.0000	OK
60 minute winter	PP-S15	41	0.517	0.017	1.1	0.2844	0.0000	OK
60 minute winter	PP-S75	42	0.516	0.016	1.1	0.3011	0.0000	OK
60 minute winter	PP-S24	42	0.524	0.024	2.6	0.7339	0.0000	OK
60 minute winter	PP-S30	41	0.515	0.015	1.0	0.2736	0.0000	OK
60 minute winter	PP-S33	41	0.516	0.016	1.2	0.2559	0.0000	OK
60 minute winter	PP-S34	41	0.521	0.021	2.2	0.6130	0.0000	OK
60 minute winter	PP-S35	45	0.508	0.008	0.3	0.0884	0.0000	OK
60 minute winter	PP-S36	41	0.519	0.019	1.7	0.3800	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	PP-S5	2.000_2	S5	2.4	0.840	0.032	0.0140	
60 minute winter	PP-S12	8.000_1	S12	0.8	0.712	0.009	0.0059	
60 minute winter	PP-S14	11.000_1	S14	0.0	0.325	0.000	0.0006	
60 minute winter	PP-S2	10.000_1	S2	1.1	0.778	0.012	0.0071	
60 minute winter	PP-S15	12.000_1	S15	1.0	0.776	0.011	0.0066	
60 minute winter	PP-S75	13.000_1	S75	1.0	0.788	0.010	0.0061	
60 minute winter	PP-S24	14.000_1	S92	2.4	1.062	0.023	0.0113	
60 minute winter	PP-S30	18.000_1	S30	0.9	0.843	0.008	0.0054	
60 minute winter	PP-S33	20.000_1	S33	1.1	0.903	0.010	0.0060	
60 minute winter	PP-S34	21.000_1	S34	2.1	1.121	0.017	0.0092	
60 minute winter	PP-S35	22.000_2	S35	0.3	0.656	0.002	0.0023	
60 minute winter	PP-S36	23.000_2	S36	1.6	1.051	0.014	0.0078	

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Results for 1 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S26	82	-0.124	0.114	1.1	0.2020	0.0000	OK
120 minute summer	S25	82	-0.124	0.120	1.0	0.3062	0.0000	OK
120 minute summer	S16	82	-0.124	0.143	7.3	0.6350	0.0000	OK
120 minute summer	S145	82	-0.126	0.189	13.3	0.8140	0.0000	OK
120 minute summer	S4	84	-0.126	0.117	2.4	0.2072	0.0000	OK
120 minute summer	S5	84	-0.126	0.158	5.4	0.2791	0.0000	OK
120 minute summer	S9	84	-0.127	0.169	1.8	0.3896	0.0000	OK
120 minute summer	S10	84	-0.127	0.194	1.6	0.3429	0.0000	OK
120 minute summer	S11	84	-0.127	0.199	7.0	0.3517	0.0000	OK
120 minute summer	S12	84	-0.127	0.208	8.1	0.3671	0.0000	OK
120 minute summer	S1	80	-0.126	0.138	2.9	0.3249	0.0000	OK
120 minute summer	S3	82	-0.127	0.180	6.0	0.5758	0.0000	OK
120 minute summer	S2	82	-0.127	0.209	4.7	0.3689	0.0000	OK
120 minute summer	S14	82	-0.127	0.182	2.0	0.3211	0.0000	OK
120 minute summer	S15	82	-0.127	0.219	12.8	0.9835	0.0000	OK
120 minute summer	S75	82	-0.129	0.233	20.3	0.5927	0.0000	OK
120 minute summer	S87	82	-0.133	0.153	4.8	0.4948	0.0000	OK
120 minute summer	S88	82	-0.133	0.175	8.8	0.5691	0.0000	OK
120 minute summer	S89	82	-0.134	0.196	12.0	0.6366	0.0000	OK
120 minute summer	S90	82	-0.134	0.218	14.9	0.6950	0.0000	OK
120 minute summer	S92	82	-0.134	0.245	26.9	0.6230	0.0000	OK
120 minute summer	S81	82	-0.141	0.161	4.8	0.5204	0.0000	OK
120 minute summer	S82	82	-0.141	0.183	8.7	0.5947	0.0000	OK
120 minute summer	S83	82	-0.141	0.204	11.6	0.6589	0.0000	OK
120 minute summer	S84	82	-0.141	0.226	14.3	0.7168	0.0000	OK
120 minute summer	S86	82	-0.141	0.252	31.5	0.6405	0.0000	OK
120 minute summer	S76	84	-0.150	0.167	4.8	0.5363	0.0000	OK
120 minute summer	S77	84	-0.150	0.189	8.6	0.6104	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S26	1.000	S16	0.9	0.039	0.013	2.1771	
120 minute summer	S25	2.000	S16	0.8	0.038	0.011	1.7912	
120 minute summer	S16	1.001	S145	5.0	0.161	0.070	5.0432	
120 minute summer	S145	1.002	S75	10.2	0.198	0.144	6.9101	
120 minute summer	S4	3.000	S5	1.5	0.093	0.021	3.4080	
120 minute summer	S5	3.001	S11	3.3	0.100	0.047	4.8488	
120 minute summer	S9	4.000	S10	0.6	0.111	0.008	3.0488	
120 minute summer	S10	4.001	S11	-1.6	0.130	-0.021	0.5784	
120 minute summer	S11	3.002	S12	-7.0	-0.138	-0.100	1.2617	
120 minute summer	S12	3.003	S15	-7.3	-0.136	-0.105	1.7179	
120 minute summer	S1	5.000	S3	2.5	0.117	0.035	4.2792	
120 minute summer	S3	5.001	S2	3.9	0.145	0.054	3.8012	
120 minute summer	S2	5.002	S15	4.8	0.115	0.071	1.5985	
120 minute summer	S14	6.000	S15	-2.0	-0.058	-0.029	5.1037	
120 minute summer	S15	3.004	S75	11.7	0.162	0.164	2.4932	
120 minute summer	S75	1.003	S92	20.3	0.241	0.285	2.8785	
120 minute summer	S87	7.000	S88	3.9	0.127	0.055	2.2573	
120 minute summer	S88	7.001	S89	7.1	0.164	0.099	2.6730	
120 minute summer	S89	7.002	S90	10.1	0.196	0.142	3.0944	
120 minute summer	S90	7.003	S92	12.6	0.208	0.179	4.4802	
120 minute summer	S92	1.005	S86	26.8	0.299	0.377	2.4945	
120 minute summer	S81	8.000	S82	3.8	0.115	0.053	2.4200	
120 minute summer	S82	8.001	S83	6.7	0.147	0.097	2.8299	
120 minute summer	S83	8.002	S84	9.6	0.171	0.135	3.2443	
120 minute summer	S84	8.003	S86	12.0	0.202	0.169	4.4192	
120 minute summer	S86	1.006	S30	31.4	0.341	0.442	2.5701	
120 minute summer	S76	9.000	S77	3.7	0.115	0.052	2.5269	
120 minute summer	S77	9.001	S78	6.5	0.145	0.091	2.9478	

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Results for 1 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S78	84	-0.150	0.211	11.4	0.6772	0.0000	OK
120 minute summer	S79	82	-0.150	0.232	14.0	0.7314	0.0000	OK
120 minute summer	S30	82	-0.151	0.256	36.8	0.6524	0.0000	OK
120 minute summer	S31	84	-0.164	0.172	5.2	0.5697	0.0000	OK
120 minute summer	S32	84	-0.164	0.215	7.5	0.6641	0.0000	OK
120 minute summer	S33	82	-0.164	0.259	39.7	0.6589	0.0000	OK
120 minute summer	S34	82	-0.180	0.259	41.1	0.4577	0.0000	OK
120 minute summer	S35	82	-0.205	0.261	41.3	0.4617	0.0000	OK
120 minute summer	S36	82	-0.214	0.228	1.7	0.4022	0.0000	OK
120 minute summer	S37	82	-0.214	0.257	45.6	1.2616	0.0000	OK
120 minute summer	S38	86	-0.264	0.252	44.9	0.4460	0.0000	OK
120 minute summer	S39	88	-0.316	0.246	44.5	0.4355	0.0000	OK
120 minute summer	S56	88	-0.327	0.232	0.6	0.4093	0.0000	OK
120 minute summer	S57	88	-0.327	0.238	44.3	0.6048	0.0000	OK
120 minute summer	S125	88	-0.355	0.200	1.4	0.3537	0.0000	OK
120 minute summer	S127	90	-0.355	0.224	44.2	0.5705	0.0000	OK
120 minute summer	S119	90	-0.393	0.176	1.2	0.3115	0.0000	OK
120 minute summer	S60	90	-0.393	0.200	44.1	0.5096	0.0000	OK
120 minute summer	Pond Inlet 1	92	-0.472	0.138	44.0	0.2435	0.0000	OK
120 minute summer	Pond Outlet	1510	-0.552	0.058	40.2	0.0651	0.0000	OK
120 minute summer	S13	1514	-0.552	0.086	0.5	0.2967	0.0000	OK
120 minute summer	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute summer	PP-S26	74	0.526	0.026	1.3	0.6314	0.0000	OK
120 minute summer	PP-S25	74	0.521	0.021	1.1	0.4088	0.0000	OK
120 minute summer	PP-S16	72	0.526	0.026	2.0	0.6483	0.0000	OK
120 minute summer	PP-S145	72	0.525	0.025	2.3	0.6492	0.0000	OK
120 minute summer	PP-S4	74	0.527	0.027	1.8	0.6658	0.0000	OK
120 minute summer	PP-S1	84	0.526	0.026	4.6	5.8713	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S78	9.002	S79	9.2	0.167	0.133	3.3615	
120 minute summer	S79	9.003	S30	11.6	0.200	0.162	4.2572	
120 minute summer	S30	1.007	S33	36.6	0.425	0.514	2.9728	
120 minute summer	S31	10.000	S32	2.9	0.117	0.041	5.6287	
120 minute summer	S32	10.001	S33	2.9	0.156	0.040	7.2980	
120 minute summer	S33	1.008	S34	39.6	0.428	0.561	3.0451	
120 minute summer	S34	1.009	S35	41.1	0.433	0.578	5.0994	
120 minute summer	S35	1.010	S37	41.3	0.437	0.621	1.0694	
120 minute summer	S36	11.000	S37	1.3	-0.057	0.018	5.0008	
120 minute summer	S37	1.011	S38	44.9	0.504	0.636	8.3575	
120 minute summer	S38	1.012	S39	44.5	0.505	0.623	8.1531	
120 minute summer	S39	1.013	S57	44.3	0.519	0.699	0.6478	
120 minute summer	S56	12.011	S57	-0.6	-0.154	-0.009	1.0888	
120 minute summer	S57	1.014	S127	44.2	0.547	0.625	2.2988	
120 minute summer	S125	21.003	S127	-1.4	-0.141	-0.019	3.6248	
120 minute summer	S127	1.015	S60	44.1	0.601	0.618	2.0351	
120 minute summer	S119	22.003	S60	-1.2	-0.131	-0.017	3.0994	
120 minute summer	S60	1.016	Pond Inlet 1	44.0	0.809	0.581	1.6296	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	40.2	0.029	0.001	279.4481	
120 minute summer	Pond Outlet	1.018	S13	0.5	0.228	0.007	0.0882	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	1.1	0.424	0.028	0.0251	
120 minute summer	PP-S25	2.000_1	S25	1.0	0.550	0.018	0.0093	
120 minute summer	PP-S16	3.000_1	S16	1.8	0.731	0.027	0.0125	
120 minute summer	PP-S145	4.000_2	S145	2.2	0.899	0.026	0.0121	
120 minute summer	PP-S4	1.000_2	S4	1.6	0.627	0.028	0.0129	
120 minute summer	PP-S1	4.000_1	S1	1.9	0.725	0.028	0.0128	

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Results for 1 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	PP-S5	72	0.529	0.029	2.7	0.8680	0.0000	OK
120 minute summer	PP-S12	74	0.516	0.016	1.0	0.3666	0.0000	OK
120 minute summer	PP-S14	78	0.504	0.004	0.1	0.0824	0.0000	OK
120 minute summer	PP-S2	74	0.518	0.018	1.4	0.7332	0.0000	OK
120 minute summer	PP-S15	72	0.517	0.017	1.1	0.2936	0.0000	OK
120 minute summer	PP-S75	72	0.516	0.016	1.1	0.3139	0.0000	OK
120 minute summer	PP-S24	72	0.525	0.025	2.7	0.7671	0.0000	OK
120 minute summer	PP-S30	72	0.515	0.015	1.0	0.2846	0.0000	OK
120 minute summer	PP-S33	72	0.516	0.016	1.2	0.2671	0.0000	OK
120 minute summer	PP-S34	72	0.522	0.022	2.3	0.6460	0.0000	OK
120 minute summer	PP-S35	70	0.509	0.009	0.4	0.0943	0.0000	OK
120 minute summer	PP-S36	72	0.519	0.019	1.8	0.4016	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	PP-S5	2.000_2	S5	2.5	0.852	0.033	0.0145	
120 minute summer	PP-S12	8.000_1	S12	0.9	0.724	0.010	0.0061	
120 minute summer	PP-S14	11.000_1	S14	0.0	0.329	0.000	0.0006	
120 minute summer	PP-S2	10.000_1	S2	1.2	0.791	0.013	0.0074	
120 minute summer	PP-S15	12.000_1	S15	1.1	0.784	0.011	0.0068	
120 minute summer	PP-S75	13.000_1	S75	1.0	0.799	0.010	0.0064	
120 minute summer	PP-S24	14.000_1	S92	2.5	1.076	0.024	0.0117	
120 minute summer	PP-S30	18.000_1	S30	1.0	0.854	0.009	0.0056	
120 minute summer	PP-S33	20.000_1	S33	1.1	0.916	0.010	0.0062	
120 minute summer	PP-S34	21.000_1	S34	2.2	1.139	0.018	0.0095	
120 minute summer	PP-S35	22.000_2	S35	0.3	0.669	0.003	0.0024	
120 minute summer	PP-S36	23.000_2	S36	1.7	1.071	0.015	0.0081	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 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
120 minute winter	S26	86	-0.113	0.125	1.0	0.2213	0.0000	OK
120 minute winter	S25	88	-0.113	0.131	0.9	0.3339	0.0000	OK
120 minute winter	S16	88	-0.113	0.154	6.4	0.6833	0.0000	OK
120 minute winter	S145	86	-0.115	0.200	12.0	0.8631	0.0000	OK
120 minute winter	S4	88	-0.114	0.129	1.5	0.2274	0.0000	OK
120 minute winter	S5	88	-0.114	0.170	3.4	0.2997	0.0000	OK
120 minute winter	S9	88	-0.115	0.181	1.4	0.4175	0.0000	OK
120 minute winter	S10	88	-0.115	0.206	1.3	0.3642	0.0000	OK
120 minute winter	S11	88	-0.115	0.211	4.3	0.3730	0.0000	OK
120 minute winter	S12	88	-0.115	0.220	5.1	0.3886	0.0000	OK
120 minute winter	S1	88	-0.114	0.150	2.8	0.3534	0.0000	OK
120 minute winter	S3	88	-0.114	0.193	5.0	0.6156	0.0000	OK
120 minute winter	S2	88	-0.115	0.221	4.8	0.3904	0.0000	OK
120 minute winter	S14	88	-0.115	0.194	1.4	0.3424	0.0000	OK
120 minute winter	S15	88	-0.115	0.231	11.6	1.0382	0.0000	OK
120 minute winter	S75	88	-0.117	0.245	20.6	0.6236	0.0000	OK
120 minute winter	S87	88	-0.121	0.165	3.7	0.5359	0.0000	OK
120 minute winter	S88	88	-0.121	0.187	6.8	0.6104	0.0000	OK
120 minute winter	S89	88	-0.121	0.209	9.2	0.6775	0.0000	OK
120 minute winter	S90	88	-0.121	0.231	11.5	0.7351	0.0000	OK
120 minute winter	S92	88	-0.122	0.257	27.5	0.6552	0.0000	OK
120 minute winter	S81	86	-0.127	0.175	3.7	0.5638	0.0000	OK
120 minute winter	S82	86	-0.127	0.197	6.7	0.6384	0.0000	OK
120 minute winter	S83	86	-0.127	0.218	9.1	0.7022	0.0000	OK
120 minute winter	S84	86	-0.128	0.239	11.2	0.7591	0.0000	OK
120 minute winter	S86	86	-0.128	0.265	33.2	0.6743	0.0000	OK
120 minute winter	S76	86	-0.136	0.181	3.7	0.5807	0.0000	OK
120 minute winter	S77	86	-0.136	0.203	6.7	0.6552	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S26	1.000	S16	0.9	0.036	0.013	2.4356	
120 minute winter	S25	2.000	S16	0.7	0.037	0.010	1.9993	
120 minute winter	S16	1.001	S145	4.8	0.162	0.068	5.5005	
120 minute winter	S145	1.002	S75	9.5	0.200	0.134	7.4067	
120 minute winter	S4	3.000	S5	1.2	0.095	0.016	3.8050	
120 minute winter	S5	3.001	S11	2.9	0.107	0.040	5.2793	
120 minute winter	S9	4.000	S10	0.6	0.113	0.008	3.3205	
120 minute winter	S10	4.001	S11	-1.1	0.125	-0.014	0.6251	
120 minute winter	S11	3.002	S12	-4.3	-0.099	-0.061	1.3599	
120 minute winter	S12	3.003	S15	4.7	-0.097	0.068	1.8451	
120 minute winter	S1	5.000	S3	2.6	0.112	0.037	4.7314	
120 minute winter	S3	5.001	S2	4.0	0.159	0.057	4.1191	
120 minute winter	S2	5.002	S15	5.0	0.124	0.074	1.7163	
120 minute winter	S14	6.000	S15	-1.4	-0.070	-0.020	5.5087	
120 minute winter	S15	3.004	S75	12.3	0.165	0.171	2.6640	
120 minute winter	S75	1.003	S92	21.1	0.239	0.296	3.0649	
120 minute winter	S87	7.000	S88	3.0	0.127	0.042	2.4962	
120 minute winter	S88	7.001	S89	5.4	0.159	0.076	2.9159	
120 minute winter	S89	7.002	S90	7.8	0.181	0.109	3.3390	
120 minute winter	S90	7.003	S92	9.8	0.219	0.139	4.7877	
120 minute winter	S92	1.005	S86	27.7	0.293	0.390	2.6548	
120 minute winter	S81	8.000	S82	2.9	0.119	0.041	2.6758	
120 minute winter	S82	8.001	S83	5.3	0.155	0.076	3.0894	
120 minute winter	S83	8.002	S84	7.6	0.179	0.106	3.5043	
120 minute winter	S84	8.003	S86	9.6	0.223	0.135	4.7269	
120 minute winter	S86	1.006	S30	33.2	0.339	0.468	2.7371	
120 minute winter	S76	9.000	S77	2.9	0.118	0.040	2.7913	
120 minute winter	S77	9.001	S78	5.2	0.156	0.072	3.2164	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 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
120 minute winter	S78	86	-0.136	0.225	8.9	0.7218	0.0000	OK
120 minute winter	S79	86	-0.137	0.245	11.1	0.7752	0.0000	OK
120 minute winter	S30	86	-0.137	0.270	39.9	0.6873	0.0000	OK
120 minute winter	S31	86	-0.150	0.186	4.0	0.6152	0.0000	OK
120 minute winter	S32	86	-0.150	0.229	5.8	0.7064	0.0000	OK
120 minute winter	S33	86	-0.150	0.273	43.3	0.6937	0.0000	OK
120 minute winter	S34	88	-0.167	0.272	44.5	0.4812	0.0000	OK
120 minute winter	S35	88	-0.192	0.274	44.7	0.4849	0.0000	OK
120 minute winter	S36	88	-0.201	0.241	1.5	0.4252	0.0000	OK
120 minute winter	S37	88	-0.201	0.270	48.8	1.3253	0.0000	OK
120 minute winter	S38	90	-0.251	0.265	48.5	0.4681	0.0000	OK
120 minute winter	S39	92	-0.304	0.258	48.2	0.4557	0.0000	OK
120 minute winter	S56	92	-0.316	0.243	0.8	0.4286	0.0000	OK
120 minute winter	S57	92	-0.316	0.249	48.0	0.6326	0.0000	OK
120 minute winter	S125	92	-0.345	0.210	1.6	0.3716	0.0000	OK
120 minute winter	S127	92	-0.345	0.234	48.0	0.5963	0.0000	OK
120 minute winter	S119	94	-0.384	0.185	1.4	0.3276	0.0000	OK
120 minute winter	S60	94	-0.384	0.209	47.8	0.5328	0.0000	OK
120 minute winter	Pond Inlet 1	94	-0.464	0.146	47.8	0.2578	0.0000	OK
120 minute winter	Pond Outlet	1560	-0.546	0.064	43.9	0.0725	0.0000	OK
120 minute winter	S13	1104	-0.546	0.092	0.5	0.3193	0.0000	OK
120 minute winter	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute winter	PP-S26	76	0.525	0.025	1.1	0.5914	0.0000	OK
120 minute winter	PP-S25	72	0.520	0.020	1.0	0.3715	0.0000	OK
120 minute winter	PP-S16	74	0.525	0.025	1.7	0.5834	0.0000	OK
120 minute winter	PP-S145	72	0.524	0.024	2.0	0.5799	0.0000	OK
120 minute winter	PP-S4	74	0.526	0.026	1.6	0.6143	0.0000	OK
120 minute winter	PP-S1	88	0.527	0.027	4.0	6.2169	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S78	9.002	S79	7.4	0.177	0.107	3.6318	
120 minute winter	S79	9.003	S30	9.5	0.220	0.132	4.5551	
120 minute winter	S30	1.007	S33	39.6	0.406	0.557	3.1649	
120 minute winter	S31	10.000	S32	2.3	0.128	0.033	6.1548	
120 minute winter	S32	10.001	S33	3.0	0.171	0.042	7.8253	
120 minute winter	S33	1.008	S34	43.1	0.429	0.611	3.2377	
120 minute winter	S34	1.009	S35	44.4	0.441	0.626	5.4132	
120 minute winter	S35	1.010	S37	44.6	0.446	0.671	1.1347	
120 minute winter	S36	11.000	S37	1.0	-0.060	0.015	5.3333	
120 minute winter	S37	1.011	S38	48.5	0.501	0.686	8.8670	
120 minute winter	S38	1.012	S39	48.2	0.509	0.675	8.6340	
120 minute winter	S39	1.013	S57	48.0	0.526	0.758	0.6849	
120 minute winter	S56	12.011	S57	-0.8	-0.162	-0.012	1.1526	
120 minute winter	S57	1.014	S127	48.0	0.557	0.678	2.4313	
120 minute winter	S125	21.003	S127	-1.6	-0.152	-0.023	3.8486	
120 minute winter	S127	1.015	S60	47.8	0.616	0.672	2.1541	
120 minute winter	S119	22.003	S60	-1.4	-0.140	-0.021	3.2986	
120 minute winter	S60	1.016	Pond Inlet 1	47.8	0.822	0.631	1.7411	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	43.9	0.030	0.001	313.2681	
120 minute winter	Pond Outlet	1.018	S13	0.5	0.230	0.007	0.0996	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	1.0	0.416	0.026	0.0238	
120 minute winter	PP-S25	2.000_1	S25	0.9	0.534	0.016	0.0086	
120 minute winter	PP-S16	3.000_1	S16	1.6	0.708	0.024	0.0116	
120 minute winter	PP-S145	4.000_2	S145	1.9	0.868	0.023	0.0111	
120 minute winter	PP-S4	1.000_2	S4	1.5	0.611	0.026	0.0122	
120 minute winter	PP-S1	4.000_1	S1	2.0	0.741	0.030	0.0135	

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Results for 1 year 120 minute winter. 1560 minute analysis at 2 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
120 minute winter	PP-S5	74	0.527	0.027	2.3	0.7877	0.0000	OK
120 minute winter	PP-S12	74	0.515	0.015	0.8	0.3238	0.0000	OK
120 minute winter	PP-S14	80	0.505	0.005	0.1	0.0948	0.0000	OK
120 minute winter	PP-S2	76	0.518	0.018	1.2	0.6907	0.0000	OK
120 minute winter	PP-S15	70	0.516	0.016	1.0	0.2660	0.0000	OK
120 minute winter	PP-S75	74	0.515	0.015	0.9	0.2787	0.0000	OK
120 minute winter	PP-S24	74	0.524	0.024	2.3	0.6879	0.0000	OK
120 minute winter	PP-S30	72	0.514	0.014	0.9	0.2606	0.0000	OK
120 minute winter	PP-S33	74	0.515	0.015	1.0	0.2366	0.0000	OK
120 minute winter	PP-S34	72	0.520	0.020	2.0	0.5783	0.0000	OK
120 minute winter	PP-S35	78	0.508	0.008	0.3	0.0894	0.0000	OK
120 minute winter	PP-S36	72	0.518	0.018	1.5	0.3482	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	PP-S5	2.000_2	S5	2.2	0.826	0.030	0.0135	
120 minute winter	PP-S12	8.000_1	S12	0.8	0.694	0.008	0.0055	
120 minute winter	PP-S14	11.000_1	S14	0.0	0.335	0.001	0.0007	
120 minute winter	PP-S2	10.000_1	S2	1.1	0.776	0.012	0.0071	
120 minute winter	PP-S15	12.000_1	S15	1.0	0.759	0.010	0.0063	
120 minute winter	PP-S75	13.000_1	S75	0.9	0.767	0.009	0.0058	
120 minute winter	PP-S24	14.000_1	S92	2.2	1.041	0.022	0.0108	
120 minute winter	PP-S30	18.000_1	S30	0.9	0.829	0.008	0.0053	
120 minute winter	PP-S33	20.000_1	S33	1.0	0.879	0.009	0.0057	
120 minute winter	PP-S34	21.000_1	S34	1.9	1.101	0.016	0.0087	
120 minute winter	PP-S35	22.000_2	S35	0.3	0.658	0.002	0.0023	
120 minute winter	PP-S36	23.000_2	S36	1.5	1.021	0.012	0.0073	

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Results for 1 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S26	116	-0.116	0.122	1.0	0.2149	0.0000	OK
180 minute summer	S25	116	-0.116	0.128	0.9	0.3247	0.0000	OK
180 minute summer	S16	116	-0.116	0.151	6.6	0.6675	0.0000	OK
180 minute summer	S145	116	-0.118	0.197	12.1	0.8474	0.0000	OK
180 minute summer	S4	116	-0.118	0.125	1.5	0.2206	0.0000	OK
180 minute summer	S5	116	-0.118	0.166	3.4	0.2929	0.0000	OK
180 minute summer	S9	116	-0.119	0.177	1.4	0.4082	0.0000	OK
180 minute summer	S10	116	-0.119	0.202	1.3	0.3572	0.0000	OK
180 minute summer	S11	116	-0.119	0.207	4.9	0.3661	0.0000	OK
180 minute summer	S12	116	-0.119	0.216	5.8	0.3817	0.0000	OK
180 minute summer	S1	120	-0.118	0.146	2.8	0.3436	0.0000	OK
180 minute summer	S3	116	-0.119	0.188	5.2	0.6026	0.0000	OK
180 minute summer	S2	116	-0.119	0.217	4.7	0.3835	0.0000	OK
180 minute summer	S14	116	-0.119	0.190	1.5	0.3357	0.0000	OK
180 minute summer	S15	116	-0.119	0.227	11.3	1.0208	0.0000	OK
180 minute summer	S75	116	-0.121	0.241	20.2	0.6139	0.0000	OK
180 minute summer	S87	116	-0.125	0.161	3.9	0.5232	0.0000	OK
180 minute summer	S88	116	-0.125	0.183	7.2	0.5978	0.0000	OK
180 minute summer	S89	116	-0.125	0.205	9.8	0.6651	0.0000	OK
180 minute summer	S90	116	-0.125	0.227	12.2	0.7230	0.0000	OK
180 minute summer	S92	116	-0.125	0.254	26.9	0.6457	0.0000	OK
180 minute summer	S81	116	-0.131	0.171	3.9	0.5518	0.0000	OK
180 minute summer	S82	116	-0.131	0.193	7.1	0.6263	0.0000	OK
180 minute summer	S83	116	-0.131	0.214	9.6	0.6901	0.0000	OK
180 minute summer	S84	116	-0.131	0.236	11.9	0.7472	0.0000	OK
180 minute summer	S86	116	-0.132	0.261	32.6	0.6649	0.0000	OK
180 minute summer	S76	116	-0.140	0.177	3.9	0.5689	0.0000	OK
180 minute summer	S77	116	-0.140	0.199	7.0	0.6432	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S26	1.000	S16	0.8	0.041	0.012	2.3503	
180 minute summer	S25	2.000	S16	0.7	0.039	0.010	1.9300	
180 minute summer	S16	1.001	S145	4.7	0.155	0.066	5.3523	
180 minute summer	S145	1.002	S75	9.3	0.178	0.132	7.2500	
180 minute summer	S4	3.000	S5	1.1	0.089	0.015	3.6722	
180 minute summer	S5	3.001	S11	2.6	0.118	0.037	5.1376	
180 minute summer	S9	4.000	S10	0.5	0.102	0.008	3.2306	
180 minute summer	S10	4.001	S11	-1.1	0.082	-0.015	0.6099	
180 minute summer	S11	3.002	S12	-4.9	-0.096	-0.069	1.3280	
180 minute summer	S12	3.003	S15	-5.1	-0.092	-0.074	1.8045	
180 minute summer	S1	5.000	S3	2.6	0.107	0.036	4.5790	
180 minute summer	S3	5.001	S2	4.0	0.137	0.056	4.0155	
180 minute summer	S2	5.002	S15	4.9	0.105	0.072	1.6784	
180 minute summer	S14	6.000	S15	-1.5	-0.044	-0.021	5.3796	
180 minute summer	S15	3.004	S75	11.9	0.156	0.166	2.6100	
180 minute summer	S75	1.003	S92	20.5	0.234	0.288	3.0082	
180 minute summer	S87	7.000	S88	3.2	0.113	0.044	2.4225	
180 minute summer	S88	7.001	S89	5.8	0.140	0.081	2.8420	
180 minute summer	S89	7.002	S90	8.3	0.159	0.117	3.2651	
180 minute summer	S90	7.003	S92	10.5	0.182	0.149	4.6960	
180 minute summer	S92	1.005	S86	27.0	0.291	0.381	2.6089	
180 minute summer	S81	8.000	S82	3.1	0.111	0.043	2.6045	
180 minute summer	S82	8.001	S83	5.6	0.136	0.080	3.0171	
180 minute summer	S83	8.002	S84	8.0	0.155	0.112	3.4315	
180 minute summer	S84	8.003	S86	10.2	0.184	0.143	4.6408	
180 minute summer	S86	1.006	S30	32.5	0.338	0.458	2.6911	
180 minute summer	S76	9.000	S77	3.0	0.111	0.042	2.7204	
180 minute summer	S77	9.001	S78	5.5	0.135	0.076	3.1441	

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Results for 1 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S78	116	-0.140	0.221	9.5	0.7098	0.0000	OK
180 minute summer	S79	116	-0.140	0.242	11.7	0.7633	0.0000	OK
180 minute summer	S30	116	-0.141	0.266	39.2	0.6778	0.0000	OK
180 minute summer	S31	116	-0.154	0.182	4.2	0.6031	0.0000	OK
180 minute summer	S32	116	-0.154	0.225	6.1	0.6950	0.0000	OK
180 minute summer	S33	116	-0.154	0.269	42.4	0.6842	0.0000	OK
180 minute summer	S34	116	-0.170	0.269	43.5	0.4746	0.0000	OK
180 minute summer	S35	116	-0.195	0.271	43.7	0.4782	0.0000	OK
180 minute summer	S36	116	-0.205	0.237	1.6	0.4185	0.0000	OK
180 minute summer	S37	116	-0.205	0.266	47.7	1.3068	0.0000	OK
180 minute summer	S38	120	-0.255	0.261	47.4	0.4617	0.0000	OK
180 minute summer	S39	120	-0.307	0.255	47.1	0.4500	0.0000	OK
180 minute summer	S56	120	-0.320	0.239	0.4	0.4231	0.0000	OK
180 minute summer	S57	120	-0.320	0.245	46.9	0.6247	0.0000	OK
180 minute summer	S125	124	-0.348	0.207	1.0	0.3665	0.0000	OK
180 minute summer	S127	124	-0.348	0.231	46.9	0.5889	0.0000	OK
180 minute summer	S119	124	-0.386	0.183	0.8	0.3232	0.0000	OK
180 minute summer	S60	124	-0.386	0.207	46.7	0.5265	0.0000	OK
180 minute summer	Pond Inlet 1	124	-0.466	0.144	46.7	0.2541	0.0000	OK
180 minute summer	Pond Outlet	1512	-0.540	0.070	41.4	0.0787	0.0000	OK
180 minute summer	S13	1552	-0.540	0.098	0.3	0.3383	0.0000	OK
180 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute summer	PP-S26	104	0.525	0.025	1.1	0.5943	0.0000	OK
180 minute summer	PP-S25	104	0.520	0.020	1.0	0.3735	0.0000	OK
180 minute summer	PP-S16	104	0.525	0.025	1.8	0.5939	0.0000	OK
180 minute summer	PP-S145	104	0.524	0.024	2.0	0.5809	0.0000	OK
180 minute summer	PP-S4	104	0.526	0.026	1.6	0.6156	0.0000	OK
180 minute summer	PP-S1	116	0.527	0.027	4.1	6.1456	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S78	9.002	S79	7.8	0.154	0.112	3.5588	
180 minute summer	S79	9.003	S30	10.0	0.185	0.139	4.4742	
180 minute summer	S30	1.007	S33	38.8	0.409	0.545	3.1126	
180 minute summer	S31	10.000	S32	2.4	0.109	0.034	6.0133	
180 minute summer	S32	10.001	S33	3.0	0.145	0.042	7.6823	
180 minute summer	S33	1.008	S34	42.2	0.428	0.598	3.1846	
180 minute summer	S34	1.009	S35	43.5	0.439	0.613	5.3243	
180 minute summer	S35	1.010	S37	43.7	0.444	0.658	1.1159	
180 minute summer	S36	11.000	S37	1.0	-0.052	0.014	5.2369	
180 minute summer	S37	1.011	S38	47.4	0.500	0.671	8.7114	
180 minute summer	S38	1.012	S39	47.1	0.505	0.659	8.4989	
180 minute summer	S39	1.013	S57	46.9	0.522	0.741	0.6744	
180 minute summer	S56	12.011	S57	-0.4	-0.105	-0.006	1.1343	
180 minute summer	S57	1.014	S127	46.9	0.552	0.663	2.3923	
180 minute summer	S125	21.003	S127	-1.0	-0.119	-0.014	3.7843	
180 minute summer	S127	1.015	S60	46.7	0.611	0.656	2.1210	
180 minute summer	S119	22.003	S60	-0.8	-0.113	-0.012	3.2443	
180 minute summer	S60	1.016	Pond Inlet 1	46.7	0.818	0.617	1.7113	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	41.4	0.028	0.001	341.7124	
180 minute summer	Pond Outlet	1.018	S13	0.3	0.214	0.004	0.1094	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	1.0	0.417	0.026	0.0239	
180 minute summer	PP-S25	2.000_1	S25	0.9	0.535	0.016	0.0086	
180 minute summer	PP-S16	3.000_1	S16	1.7	0.712	0.025	0.0117	
180 minute summer	PP-S145	4.000_2	S145	1.9	0.868	0.023	0.0111	
180 minute summer	PP-S4	1.000_2	S4	1.5	0.612	0.026	0.0122	
180 minute summer	PP-S1	4.000_1	S1	2.0	0.737	0.030	0.0134	

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Results for 1 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP-S5	104	0.528	0.028	2.4	0.7969	0.0000	OK
180 minute summer	PP-S12	104	0.515	0.015	0.9	0.3431	0.0000	OK
180 minute summer	PP-S14	108	0.504	0.004	0.1	0.0733	0.0000	OK
180 minute summer	PP-S2	104	0.518	0.018	1.3	0.7054	0.0000	OK
180 minute summer	PP-S15	100	0.516	0.016	1.0	0.2662	0.0000	OK
180 minute summer	PP-S75	104	0.516	0.016	1.0	0.2929	0.0000	OK
180 minute summer	PP-S24	104	0.524	0.024	2.4	0.6970	0.0000	OK
180 minute summer	PP-S30	100	0.514	0.014	0.9	0.2532	0.0000	OK
180 minute summer	PP-S33	100	0.516	0.016	1.1	0.2504	0.0000	OK
180 minute summer	PP-S34	104	0.520	0.020	2.0	0.5790	0.0000	OK
180 minute summer	PP-S35	104	0.508	0.008	0.3	0.0883	0.0000	OK
180 minute summer	PP-S36	100	0.518	0.018	1.6	0.3629	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP-S5	2.000_2	S5	2.3	0.829	0.030	0.0136	
180 minute summer	PP-S12	8.000_1	S12	0.8	0.708	0.009	0.0058	
180 minute summer	PP-S14	11.000_1	S14	0.0	0.323	0.000	0.0006	
180 minute summer	PP-S2	10.000_1	S2	1.1	0.781	0.012	0.0072	
180 minute summer	PP-S15	12.000_1	S15	1.0	0.759	0.010	0.0063	
180 minute summer	PP-S75	13.000_1	S75	0.9	0.781	0.010	0.0060	
180 minute summer	PP-S24	14.000_1	S92	2.3	1.045	0.022	0.0109	
180 minute summer	PP-S30	18.000_1	S30	0.8	0.822	0.008	0.0052	
180 minute summer	PP-S33	20.000_1	S33	1.1	0.896	0.009	0.0059	
180 minute summer	PP-S34	21.000_1	S34	1.9	1.102	0.016	0.0088	
180 minute summer	PP-S35	22.000_2	S35	0.3	0.655	0.002	0.0022	
180 minute summer	PP-S36	23.000_2	S36	1.6	1.035	0.013	0.0075	

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Results for 1 year 180 minute winter. 1620 minute analysis at 4 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
180 minute winter	S26	124	-0.110	0.128	0.9	0.2270	0.0000	OK
180 minute winter	S25	124	-0.110	0.134	0.8	0.3421	0.0000	OK
180 minute winter	S16	124	-0.110	0.157	5.6	0.6979	0.0000	OK
180 minute winter	S145	124	-0.111	0.204	10.4	0.8786	0.0000	OK
180 minute winter	S4	124	-0.111	0.132	1.3	0.2334	0.0000	OK
180 minute winter	S5	124	-0.111	0.173	2.5	0.3056	0.0000	OK
180 minute winter	S9	124	-0.111	0.185	1.1	0.4253	0.0000	OK
180 minute winter	S10	124	-0.111	0.210	0.8	0.3704	0.0000	OK
180 minute winter	S11	124	-0.111	0.215	3.4	0.3792	0.0000	OK
180 minute winter	S12	124	-0.112	0.223	4.2	0.3948	0.0000	OK
180 minute winter	S1	124	-0.111	0.153	2.8	0.3614	0.0000	OK
180 minute winter	S3	124	-0.111	0.196	4.7	0.6266	0.0000	OK
180 minute winter	S2	124	-0.111	0.225	4.9	0.3967	0.0000	OK
180 minute winter	S14	124	-0.112	0.197	1.0	0.3487	0.0000	OK
180 minute winter	S15	124	-0.112	0.234	11.3	1.0544	0.0000	OK
180 minute winter	S75	124	-0.113	0.249	20.1	0.6332	0.0000	OK
180 minute winter	S87	124	-0.116	0.170	3.0	0.5504	0.0000	OK
180 minute winter	S88	124	-0.116	0.192	5.5	0.6249	0.0000	OK
180 minute winter	S89	124	-0.117	0.213	7.6	0.6918	0.0000	OK
180 minute winter	S90	124	-0.117	0.235	9.5	0.7488	0.0000	OK
180 minute winter	S92	124	-0.117	0.262	27.6	0.6658	0.0000	OK
180 minute winter	S81	124	-0.123	0.179	3.0	0.5790	0.0000	OK
180 minute winter	S82	124	-0.123	0.201	5.5	0.6535	0.0000	OK
180 minute winter	S83	124	-0.123	0.222	7.5	0.7170	0.0000	OK
180 minute winter	S84	124	-0.123	0.244	9.4	0.7734	0.0000	OK
180 minute winter	S86	124	-0.124	0.269	33.8	0.6856	0.0000	OK
180 minute winter	S76	124	-0.132	0.185	3.0	0.5960	0.0000	OK
180 minute winter	S77	124	-0.132	0.207	5.5	0.6704	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S26	1.000	S16	0.8	0.042	0.011	2.5147	
180 minute winter	S25	2.000	S16	0.6	0.036	0.009	2.0626	
180 minute winter	S16	1.001	S145	4.4	0.153	0.062	5.6438	
180 minute winter	S145	1.002	S75	8.9	0.185	0.126	7.5632	
180 minute winter	S4	3.000	S5	1.0	0.090	0.014	3.9226	
180 minute winter	S5	3.001	S11	2.6	0.105	0.036	5.4041	
180 minute winter	S9	4.000	S10	0.6	0.110	0.008	3.3982	
180 minute winter	S10	4.001	S11	0.9	0.119	0.012	0.6387	
180 minute winter	S11	3.002	S12	3.9	0.073	0.056	1.3885	
180 minute winter	S12	3.003	S15	4.5	0.074	0.065	1.8824	
180 minute winter	S1	5.000	S3	2.7	0.105	0.038	4.8578	
180 minute winter	S3	5.001	S2	4.1	0.143	0.058	4.2098	
180 minute winter	S2	5.002	S15	5.0	0.111	0.073	1.7510	
180 minute winter	S14	6.000	S15	-1.0	-0.052	-0.014	5.6280	
180 minute winter	S15	3.004	S75	12.0	0.158	0.167	2.7157	
180 minute winter	S75	1.003	S92	20.5	0.230	0.288	3.1243	
180 minute winter	S87	7.000	S88	2.4	0.113	0.034	2.5810	
180 minute winter	S88	7.001	S89	4.5	0.147	0.063	3.0016	
180 minute winter	S89	7.002	S90	6.5	0.174	0.091	3.4238	
180 minute winter	S90	7.003	S92	8.2	0.195	0.116	4.8909	
180 minute winter	S92	1.005	S86	27.6	0.286	0.389	2.7079	
180 minute winter	S81	8.000	S82	2.4	0.112	0.034	2.7655	
180 minute winter	S82	8.001	S83	4.4	0.145	0.064	3.1792	
180 minute winter	S83	8.002	S84	6.4	0.170	0.090	3.5927	
180 minute winter	S84	8.003	S86	8.2	0.201	0.116	4.8295	
180 minute winter	S86	1.006	S30	33.8	0.338	0.476	2.7917	
180 minute winter	S76	9.000	S77	2.4	0.113	0.034	2.8826	
180 minute winter	S77	9.001	S78	4.4	0.145	0.062	3.3072	

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Results for 1 year 180 minute winter. 1620 minute analysis at 4 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
180 minute winter	S78	124	-0.132	0.229	7.5	0.7367	0.0000	OK
180 minute winter	S79	124	-0.132	0.250	9.4	0.7896	0.0000	OK
180 minute winter	S30	124	-0.132	0.275	40.8	0.6987	0.0000	OK
180 minute winter	S31	124	-0.146	0.190	3.3	0.6304	0.0000	OK
180 minute winter	S32	124	-0.146	0.233	5.1	0.7203	0.0000	OK
180 minute winter	S33	124	-0.146	0.277	44.4	0.7051	0.0000	OK
180 minute winter	S34	124	-0.162	0.277	45.5	0.4888	0.0000	OK
180 minute winter	S35	124	-0.187	0.279	45.6	0.4923	0.0000	OK
180 minute winter	S36	124	-0.197	0.245	1.3	0.4324	0.0000	OK
180 minute winter	S37	124	-0.197	0.274	49.7	1.3455	0.0000	OK
180 minute winter	S38	124	-0.247	0.269	49.5	0.4753	0.0000	OK
180 minute winter	S39	128	-0.300	0.262	49.3	0.4624	0.0000	OK
180 minute winter	S56	128	-0.313	0.246	0.6	0.4352	0.0000	OK
180 minute winter	S57	128	-0.313	0.252	49.3	0.6420	0.0000	OK
180 minute winter	S125	128	-0.341	0.214	1.2	0.3778	0.0000	OK
180 minute winter	S127	128	-0.341	0.238	49.2	0.6052	0.0000	OK
180 minute winter	S119	128	-0.381	0.188	1.0	0.3330	0.0000	OK
180 minute winter	S60	128	-0.381	0.212	49.1	0.5407	0.0000	OK
180 minute winter	Pond Inlet 1	132	-0.461	0.149	49.1	0.2628	0.0000	OK
180 minute winter	Pond Outlet	1580	-0.532	0.078	41.3	0.0879	0.0000	OK
180 minute winter	S13	1444	-0.532	0.106	0.4	0.3665	0.0000	OK
180 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute winter	PP-S26	108	0.524	0.024	0.9	0.5248	0.0000	OK
180 minute winter	PP-S25	104	0.519	0.019	0.8	0.3200	0.0000	OK
180 minute winter	PP-S16	104	0.523	0.023	1.4	0.4970	0.0000	OK
180 minute winter	PP-S145	100	0.522	0.022	1.7	0.5011	0.0000	OK
180 minute winter	PP-S4	104	0.524	0.024	1.3	0.5302	0.0000	OK
180 minute winter	PP-S1	124	0.528	0.028	3.3	6.3066	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S78	9.002	S79	6.4	0.170	0.092	3.7211	
180 minute winter	S79	9.003	S30	8.2	0.194	0.115	4.6522	
180 minute winter	S30	1.007	S33	40.7	0.402	0.571	3.2271	
180 minute winter	S31	10.000	S32	2.2	0.114	0.031	6.3298	
180 minute winter	S32	10.001	S33	3.2	0.151	0.045	7.9970	
180 minute winter	S33	1.008	S34	44.3	0.433	0.627	3.2995	
180 minute winter	S34	1.009	S35	45.4	0.443	0.640	5.5124	
180 minute winter	S35	1.010	S37	45.6	0.447	0.687	1.1552	
180 minute winter	S36	11.000	S37	0.9	-0.055	0.013	5.4378	
180 minute winter	S37	1.011	S38	49.5	0.499	0.701	9.0325	
180 minute winter	S38	1.012	S39	49.3	0.509	0.691	8.7885	
180 minute winter	S39	1.013	S57	49.3	0.528	0.777	0.6974	
180 minute winter	S56	12.011	S57	-0.6	-0.092	-0.009	1.1740	
180 minute winter	S57	1.014	S127	49.2	0.559	0.695	2.4763	
180 minute winter	S125	21.003	S127	-1.2	-0.128	-0.017	3.9255	
180 minute winter	S127	1.015	S60	49.1	0.620	0.690	2.1954	
180 minute winter	S119	22.003	S60	-1.0	-0.118	-0.014	3.3670	
180 minute winter	S60	1.016	Pond Inlet 1	49.1	0.826	0.648	1.7793	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	41.3	0.027	0.001	383.9376	
180 minute winter	Pond Outlet	1.018	S13	0.4	0.200	0.005	0.1243	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	0.9	0.401	0.023	0.0217	
180 minute winter	PP-S25	2.000_1	S25	0.8	0.508	0.014	0.0077	
180 minute winter	PP-S16	3.000_1	S16	1.4	0.673	0.020	0.0103	
180 minute winter	PP-S145	4.000_2	S145	1.6	0.829	0.020	0.0099	
180 minute winter	PP-S4	1.000_2	S4	1.3	0.584	0.022	0.0109	
180 minute winter	PP-S1	4.000_1	S1	2.0	0.745	0.031	0.0137	

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Results for 1 year 180 minute winter. 1620 minute analysis at 4 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
180 minute winter	PP-S5	104	0.526	0.026	2.0	0.6912	0.0000	OK
180 minute winter	PP-S12	104	0.514	0.014	0.7	0.2884	0.0000	OK
180 minute winter	PP-S14	104	0.503	0.003	0.1	0.0411	0.0000	OK
180 minute winter	PP-S2	108	0.516	0.016	1.0	0.6016	0.0000	OK
180 minute winter	PP-S15	104	0.515	0.015	0.8	0.2269	0.0000	OK
180 minute winter	PP-S75	104	0.515	0.015	0.8	0.2513	0.0000	OK
180 minute winter	PP-S24	104	0.522	0.022	2.0	0.6005	0.0000	OK
180 minute winter	PP-S30	108	0.513	0.013	0.7	0.2108	0.0000	OK
180 minute winter	PP-S33	100	0.514	0.014	0.9	0.2099	0.0000	OK
180 minute winter	PP-S34	100	0.519	0.019	1.7	0.5002	0.0000	OK
180 minute winter	PP-S35	100	0.508	0.008	0.3	0.0821	0.0000	OK
180 minute winter	PP-S36	104	0.517	0.017	1.3	0.3081	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP-S5	2.000_2	S5	1.9	0.793	0.026	0.0122	
180 minute winter	PP-S12	8.000_1	S12	0.7	0.669	0.007	0.0051	
180 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0003	
180 minute winter	PP-S2	10.000_1	S2	0.9	0.741	0.010	0.0064	
180 minute winter	PP-S15	12.000_1	S15	0.8	0.719	0.008	0.0055	
180 minute winter	PP-S75	13.000_1	S75	0.8	0.741	0.008	0.0053	
180 minute winter	PP-S24	14.000_1	S92	1.9	0.998	0.019	0.0097	
180 minute winter	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
180 minute winter	PP-S33	20.000_1	S33	0.9	0.845	0.008	0.0052	
180 minute winter	PP-S34	21.000_1	S34	1.6	1.050	0.014	0.0078	
180 minute winter	PP-S35	22.000_2	S35	0.3	0.640	0.002	0.0021	
180 minute winter	PP-S36	23.000_2	S36	1.3	0.979	0.011	0.0066	

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Results for 1 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S26	148	-0.118	0.120	0.9	0.2127	0.0000	OK
240 minute summer	S25	148	-0.118	0.126	0.9	0.3214	0.0000	OK
240 minute summer	S16	148	-0.118	0.149	6.0	0.6619	0.0000	OK
240 minute summer	S145	148	-0.119	0.196	10.9	0.8424	0.0000	OK
240 minute summer	S4	152	-0.119	0.124	1.3	0.2182	0.0000	OK
240 minute summer	S5	152	-0.120	0.164	2.7	0.2904	0.0000	OK
240 minute summer	S9	152	-0.120	0.176	1.3	0.4056	0.0000	OK
240 minute summer	S10	152	-0.120	0.201	1.1	0.3551	0.0000	OK
240 minute summer	S11	152	-0.120	0.206	3.2	0.3639	0.0000	OK
240 minute summer	S12	152	-0.120	0.215	4.0	0.3795	0.0000	OK
240 minute summer	S1	148	-0.119	0.145	2.7	0.3413	0.0000	OK
240 minute summer	S3	148	-0.120	0.187	4.9	0.5992	0.0000	OK
240 minute summer	S2	148	-0.120	0.216	4.6	0.3814	0.0000	OK
240 minute summer	S14	148	-0.120	0.189	1.2	0.3334	0.0000	OK
240 minute summer	S15	148	-0.120	0.226	11.0	1.0155	0.0000	OK
240 minute summer	S75	148	-0.122	0.240	19.5	0.6112	0.0000	OK
240 minute summer	S87	148	-0.125	0.161	3.5	0.5219	0.0000	OK
240 minute summer	S88	148	-0.125	0.183	6.4	0.5963	0.0000	OK
240 minute summer	S89	148	-0.125	0.205	8.7	0.6634	0.0000	OK
240 minute summer	S90	148	-0.126	0.226	10.8	0.7210	0.0000	OK
240 minute summer	S92	148	-0.126	0.253	26.4	0.6437	0.0000	OK
240 minute summer	S81	148	-0.132	0.170	3.5	0.5505	0.0000	OK
240 minute summer	S82	148	-0.132	0.192	6.3	0.6250	0.0000	OK
240 minute summer	S83	148	-0.132	0.213	8.5	0.6886	0.0000	OK
240 minute summer	S84	148	-0.132	0.235	10.6	0.7456	0.0000	OK
240 minute summer	S86	148	-0.132	0.261	32.3	0.6634	0.0000	OK
240 minute summer	S76	148	-0.140	0.177	3.5	0.5677	0.0000	OK
240 minute summer	S77	148	-0.140	0.199	6.3	0.6419	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S26	1.000	S16	0.8	0.041	0.011	2.3201	
240 minute summer	S25	2.000	S16	0.6	0.043	0.009	1.9058	
240 minute summer	S16	1.001	S145	4.4	0.147	0.062	5.3029	
240 minute summer	S145	1.002	S75	8.9	0.166	0.126	7.2031	
240 minute summer	S4	3.000	S5	1.0	0.085	0.014	3.6253	
240 minute summer	S5	3.001	S11	2.5	0.107	0.035	5.0908	
240 minute summer	S9	4.000	S10	0.6	0.089	0.008	3.2046	
240 minute summer	S10	4.001	S11	0.9	0.093	0.011	0.6052	
240 minute summer	S11	3.002	S12	3.7	0.071	0.053	1.3183	
240 minute summer	S12	3.003	S15	4.2	0.070	0.061	1.7920	
240 minute summer	S1	5.000	S3	2.5	0.104	0.036	4.5417	
240 minute summer	S3	5.001	S2	3.9	0.123	0.055	3.9869	
240 minute summer	S2	5.002	S15	4.8	0.089	0.070	1.6672	
240 minute summer	S14	6.000	S15	-1.2	-0.031	-0.018	5.3388	
240 minute summer	S15	3.004	S75	11.6	0.151	0.161	2.5942	
240 minute summer	S75	1.003	S92	19.9	0.228	0.279	2.9943	
240 minute summer	S87	7.000	S88	2.8	0.107	0.039	2.4142	
240 minute summer	S88	7.001	S89	5.1	0.132	0.071	2.8323	
240 minute summer	S89	7.002	S90	7.3	0.151	0.103	3.2538	
240 minute summer	S90	7.003	S92	9.2	0.163	0.131	4.6789	
240 minute summer	S92	1.005	S86	26.6	0.287	0.374	2.6005	
240 minute summer	S81	8.000	S82	2.7	0.099	0.038	2.5970	
240 minute summer	S82	8.001	S83	5.0	0.130	0.071	3.0088	
240 minute summer	S83	8.002	S84	7.1	0.147	0.100	3.4223	
240 minute summer	S84	8.003	S86	9.1	0.170	0.128	4.6282	
240 minute summer	S86	1.006	S30	32.3	0.336	0.455	2.6843	
240 minute summer	S76	9.000	S77	2.7	0.097	0.038	2.7132	
240 minute summer	S77	9.001	S78	4.9	0.128	0.068	3.1365	

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Results for 1 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	148	-0.141	0.220	8.5	0.7085	0.0000	OK
240 minute summer	S79	148	-0.141	0.241	10.5	0.7619	0.0000	OK
240 minute summer	S30	148	-0.141	0.266	39.0	0.6765	0.0000	OK
240 minute summer	S31	148	-0.154	0.182	3.8	0.6012	0.0000	OK
240 minute summer	S32	148	-0.155	0.224	5.6	0.6932	0.0000	OK
240 minute summer	S33	148	-0.155	0.268	42.2	0.6828	0.0000	OK
240 minute summer	S34	148	-0.171	0.268	43.4	0.4735	0.0000	OK
240 minute summer	S35	148	-0.196	0.270	43.5	0.4772	0.0000	OK
240 minute summer	S36	148	-0.206	0.236	1.4	0.4176	0.0000	OK
240 minute summer	S37	148	-0.206	0.265	47.4	1.3042	0.0000	OK
240 minute summer	S38	152	-0.255	0.261	47.2	0.4614	0.0000	OK
240 minute summer	S39	152	-0.308	0.254	46.9	0.4497	0.0000	OK
240 minute summer	S56	152	-0.320	0.239	0.3	0.4228	0.0000	OK
240 minute summer	S57	152	-0.320	0.245	46.9	0.6242	0.0000	OK
240 minute summer	S125	156	-0.348	0.207	0.8	0.3666	0.0000	OK
240 minute summer	S127	156	-0.348	0.231	46.8	0.5890	0.0000	OK
240 minute summer	S119	156	-0.386	0.183	0.7	0.3231	0.0000	OK
240 minute summer	S60	156	-0.386	0.207	46.7	0.5265	0.0000	OK
240 minute summer	Pond Inlet 1	156	-0.466	0.144	46.7	0.2542	0.0000	OK
240 minute summer	Pond Outlet	1576	-0.532	0.078	36.6	0.0882	0.0000	OK
240 minute summer	S13	1460	-0.532	0.106	0.3	0.3674	0.0000	OK
240 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute summer	PP-S26	136	0.524	0.024	1.0	0.5489	0.0000	OK
240 minute summer	PP-S25	132	0.519	0.019	0.9	0.3474	0.0000	OK
240 minute summer	PP-S16	132	0.524	0.024	1.6	0.5327	0.0000	OK
240 minute summer	PP-S145	132	0.523	0.023	1.8	0.5319	0.0000	OK
240 minute summer	PP-S4	136	0.524	0.024	1.4	0.5561	0.0000	OK
240 minute summer	PP-S1	148	0.527	0.027	3.6	6.0845	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S78	9.002	S79	7.0	0.145	0.101	3.5505	
240 minute summer	S79	9.003	S30	9.0	0.166	0.126	4.4639	
240 minute summer	S30	1.007	S33	38.7	0.401	0.544	3.1052	
240 minute summer	S31	10.000	S32	2.3	0.102	0.032	5.9913	
240 minute summer	S32	10.001	S33	3.0	0.134	0.041	7.6607	
240 minute summer	S33	1.008	S34	42.1	0.428	0.597	3.1763	
240 minute summer	S34	1.009	S35	43.3	0.438	0.610	5.3104	
240 minute summer	S35	1.010	S37	43.5	0.443	0.655	1.1131	
240 minute summer	S36	11.000	S37	0.9	-0.045	0.013	5.2235	
240 minute summer	S37	1.011	S38	47.2	0.495	0.667	8.7056	
240 minute summer	S38	1.012	S39	46.9	0.502	0.657	8.4914	
240 minute summer	S39	1.013	S57	46.9	0.520	0.740	0.6738	
240 minute summer	S56	12.011	S57	-0.3	-0.124	-0.004	1.1332	
240 minute summer	S57	1.014	S127	46.8	0.551	0.662	2.3923	
240 minute summer	S125	21.003	S127	-0.8	-0.107	-0.011	3.7851	
240 minute summer	S127	1.015	S60	46.7	0.611	0.655	2.1212	
240 minute summer	S119	22.003	S60	-0.7	-0.106	-0.010	3.2441	
240 minute summer	S60	1.016	Pond Inlet 1	46.7	0.817	0.616	1.7115	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	36.6	0.025	0.001	385.2722	
240 minute summer	Pond Outlet	1.018	S13	0.3	0.177	0.004	0.1248	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	0.9	0.407	0.024	0.0225	
240 minute summer	PP-S25	2.000_1	S25	0.9	0.523	0.015	0.0082	
240 minute summer	PP-S16	3.000_1	S16	1.5	0.688	0.022	0.0108	
240 minute summer	PP-S145	4.000_2	S145	1.8	0.845	0.021	0.0104	
240 minute summer	PP-S4	1.000_2	S4	1.3	0.593	0.023	0.0113	
240 minute summer	PP-S1	4.000_1	S1	1.9	0.735	0.029	0.0132	

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Results for 1 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	PP-S5	132	0.526	0.026	2.1	0.7216	0.0000	OK
240 minute summer	PP-S12	132	0.515	0.015	0.8	0.3169	0.0000	OK
240 minute summer	PP-S14	136	0.504	0.004	0.1	0.0583	0.0000	OK
240 minute summer	PP-S2	136	0.517	0.017	1.1	0.6338	0.0000	OK
240 minute summer	PP-S15	132	0.516	0.016	0.9	0.2487	0.0000	OK
240 minute summer	PP-S75	132	0.515	0.015	0.9	0.2608	0.0000	OK
240 minute summer	PP-S24	132	0.522	0.022	2.1	0.6312	0.0000	OK
240 minute summer	PP-S30	132	0.514	0.014	0.8	0.2335	0.0000	OK
240 minute summer	PP-S33	132	0.514	0.014	0.9	0.2131	0.0000	OK
240 minute summer	PP-S34	132	0.520	0.020	1.8	0.5310	0.0000	OK
240 minute summer	PP-S35	132	0.508	0.008	0.3	0.0865	0.0000	OK
240 minute summer	PP-S36	132	0.517	0.017	1.4	0.3264	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	PP-S5	2.000_2	S5	2.0	0.803	0.027	0.0126	
240 minute summer	PP-S12	8.000_1	S12	0.7	0.689	0.008	0.0054	
240 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0004	
240 minute summer	PP-S2	10.000_1	S2	1.0	0.754	0.011	0.0067	
240 minute summer	PP-S15	12.000_1	S15	0.9	0.742	0.009	0.0060	
240 minute summer	PP-S75	13.000_1	S75	0.8	0.751	0.008	0.0055	
240 minute summer	PP-S24	14.000_1	S92	2.0	1.013	0.020	0.0101	
240 minute summer	PP-S30	18.000_1	S30	0.8	0.801	0.007	0.0049	
240 minute summer	PP-S33	20.000_1	S33	0.9	0.849	0.008	0.0052	
240 minute summer	PP-S34	21.000_1	S34	1.8	1.071	0.015	0.0082	
240 minute summer	PP-S35	22.000_2	S35	0.3	0.651	0.002	0.0022	
240 minute summer	PP-S36	23.000_2	S36	1.4	0.998	0.012	0.0069	

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Results for 1 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S26	156	-0.116	0.122	0.8	0.2164	0.0000	OK
240 minute winter	S25	156	-0.116	0.128	0.7	0.3268	0.0000	OK
240 minute winter	S16	156	-0.116	0.151	5.1	0.6712	0.0000	OK
240 minute winter	S145	156	-0.117	0.198	9.4	0.8525	0.0000	OK
240 minute winter	S4	160	-0.117	0.126	1.1	0.2221	0.0000	OK
240 minute winter	S5	156	-0.117	0.167	2.3	0.2943	0.0000	OK
240 minute winter	S9	156	-0.118	0.178	0.9	0.4109	0.0000	OK
240 minute winter	S10	156	-0.118	0.203	0.6	0.3592	0.0000	OK
240 minute winter	S11	156	-0.118	0.208	3.1	0.3680	0.0000	OK
240 minute winter	S12	156	-0.118	0.217	3.8	0.3837	0.0000	OK
240 minute winter	S1	160	-0.117	0.147	2.7	0.3466	0.0000	OK
240 minute winter	S3	156	-0.117	0.190	4.4	0.6066	0.0000	OK
240 minute winter	S2	156	-0.118	0.218	4.7	0.3857	0.0000	OK
240 minute winter	S14	156	-0.118	0.191	0.8	0.3376	0.0000	OK
240 minute winter	S15	156	-0.118	0.228	10.7	1.0263	0.0000	OK
240 minute winter	S75	156	-0.119	0.243	19.1	0.6177	0.0000	OK
240 minute winter	S87	156	-0.122	0.164	2.6	0.5326	0.0000	OK
240 minute winter	S88	156	-0.122	0.186	4.8	0.6068	0.0000	OK
240 minute winter	S89	156	-0.122	0.208	6.7	0.6736	0.0000	OK
240 minute winter	S90	156	-0.123	0.229	8.5	0.7308	0.0000	OK
240 minute winter	S92	156	-0.123	0.256	26.4	0.6510	0.0000	OK
240 minute winter	S81	156	-0.128	0.174	2.6	0.5617	0.0000	OK
240 minute winter	S82	156	-0.128	0.196	4.8	0.6360	0.0000	OK
240 minute winter	S83	156	-0.128	0.217	6.7	0.6994	0.0000	OK
240 minute winter	S84	156	-0.129	0.238	8.5	0.7560	0.0000	OK
240 minute winter	S86	156	-0.129	0.264	32.7	0.6714	0.0000	OK
240 minute winter	S76	156	-0.137	0.180	2.6	0.5791	0.0000	OK
240 minute winter	S77	156	-0.137	0.202	4.8	0.6532	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S26	1.000	S16	0.7	0.041	0.009	2.3703	
240 minute winter	S25	2.000	S16	0.6	0.040	0.008	1.9462	
240 minute winter	S16	1.001	S145	4.2	0.149	0.058	5.3943	
240 minute winter	S145	1.002	S75	8.2	0.178	0.117	7.3059	
240 minute winter	S4	3.000	S5	0.9	0.085	0.013	3.7004	
240 minute winter	S5	3.001	S11	2.3	0.112	0.032	5.1729	
240 minute winter	S9	4.000	S10	0.6	0.106	0.008	3.2561	
240 minute winter	S10	4.001	S11	0.8	0.112	0.011	0.6142	
240 minute winter	S11	3.002	S12	3.6	0.074	0.051	1.3373	
240 minute winter	S12	3.003	S15	4.0	0.074	0.059	1.8170	
240 minute winter	S1	5.000	S3	2.6	0.102	0.036	4.6259	
240 minute winter	S3	5.001	S2	4.0	0.139	0.057	4.0478	
240 minute winter	S2	5.002	S15	4.8	0.107	0.071	1.6904	
240 minute winter	S14	6.000	S15	-0.8	-0.045	-0.011	5.4184	
240 minute winter	S15	3.004	S75	11.2	0.155	0.157	2.6289	
240 minute winter	S75	1.003	S92	19.4	0.225	0.273	3.0350	
240 minute winter	S87	7.000	S88	2.2	0.106	0.031	2.4760	
240 minute winter	S88	7.001	S89	4.1	0.143	0.057	2.8936	
240 minute winter	S89	7.002	S90	5.9	0.165	0.083	3.3140	
240 minute winter	S90	7.003	S92	7.6	0.183	0.108	4.7513	
240 minute winter	S92	1.005	S86	26.4	0.282	0.371	2.6378	
240 minute winter	S81	8.000	S82	2.2	0.105	0.030	2.6627	
240 minute winter	S82	8.001	S83	4.0	0.142	0.058	3.0741	
240 minute winter	S83	8.002	S84	5.9	0.161	0.082	3.4866	
240 minute winter	S84	8.003	S86	7.6	0.188	0.107	4.7024	
240 minute winter	S86	1.006	S30	32.6	0.334	0.460	2.7240	
240 minute winter	S76	9.000	S77	2.2	0.106	0.030	2.7808	
240 minute winter	S77	9.001	S78	4.0	0.142	0.056	3.2038	

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Results for 1 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S78	156	-0.137	0.224	6.6	0.7195	0.0000	OK
240 minute winter	S79	156	-0.137	0.245	8.4	0.7726	0.0000	OK
240 minute winter	S30	156	-0.138	0.269	39.5	0.6848	0.0000	OK
240 minute winter	S31	156	-0.151	0.185	2.8	0.6123	0.0000	OK
240 minute winter	S32	156	-0.151	0.228	4.4	0.7034	0.0000	OK
240 minute winter	S33	156	-0.151	0.272	43.0	0.6910	0.0000	OK
240 minute winter	S34	156	-0.168	0.271	44.1	0.4790	0.0000	OK
240 minute winter	S35	156	-0.193	0.273	44.2	0.4826	0.0000	OK
240 minute winter	S36	156	-0.203	0.239	1.1	0.4229	0.0000	OK
240 minute winter	S37	156	-0.203	0.268	48.0	1.3191	0.0000	OK
240 minute winter	S38	160	-0.252	0.264	47.9	0.4666	0.0000	OK
240 minute winter	S39	160	-0.305	0.257	47.7	0.4548	0.0000	OK
240 minute winter	S56	160	-0.317	0.242	0.5	0.4278	0.0000	OK
240 minute winter	S57	160	-0.317	0.248	47.7	0.6314	0.0000	OK
240 minute winter	S125	164	-0.345	0.210	0.9	0.3711	0.0000	OK
240 minute winter	S127	164	-0.345	0.234	47.7	0.5954	0.0000	OK
240 minute winter	S119	164	-0.384	0.185	0.8	0.3276	0.0000	OK
240 minute winter	S60	164	-0.384	0.209	47.6	0.5329	0.0000	OK
240 minute winter	Pond Inlet 1	168	-0.463	0.147	47.6	0.2593	0.0000	OK
240 minute winter	Pond Outlet	1660	-0.523	0.087	33.9	0.0984	0.0000	OK
240 minute winter	S13	1192	-0.523	0.115	0.3	0.3988	0.0000	OK
240 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute winter	PP-S26	136	0.522	0.022	0.8	0.4679	0.0000	OK
240 minute winter	PP-S25	136	0.518	0.018	0.7	0.2859	0.0000	OK
240 minute winter	PP-S16	136	0.521	0.021	1.2	0.4338	0.0000	OK
240 minute winter	PP-S145	136	0.521	0.021	1.4	0.4306	0.0000	OK
240 minute winter	PP-S4	136	0.522	0.022	1.1	0.4580	0.0000	OK
240 minute winter	PP-S1	156	0.527	0.027	2.9	6.1078	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S78	9.002	S79	5.8	0.160	0.084	3.6169	
240 minute winter	S79	9.003	S30	7.6	0.180	0.106	4.5358	
240 minute winter	S30	1.007	S33	39.5	0.398	0.554	3.1506	
240 minute winter	S31	10.000	S32	2.0	0.115	0.028	6.1192	
240 minute winter	S32	10.001	S33	3.1	0.147	0.044	7.7858	
240 minute winter	S33	1.008	S34	43.0	0.431	0.609	3.2211	
240 minute winter	S34	1.009	S35	44.1	0.440	0.620	5.3829	
240 minute winter	S35	1.010	S37	44.2	0.444	0.665	1.1283	
240 minute winter	S36	11.000	S37	0.8	-0.055	0.011	5.3010	
240 minute winter	S37	1.011	S38	47.9	0.493	0.677	8.8232	
240 minute winter	S38	1.012	S39	47.7	0.503	0.668	8.6078	
240 minute winter	S39	1.013	S57	47.7	0.522	0.753	0.6833	
240 minute winter	S56	12.011	S57	-0.5	-0.090	-0.008	1.1497	
240 minute winter	S57	1.014	S127	47.7	0.553	0.674	2.4256	
240 minute winter	S125	21.003	S127	-0.9	-0.125	-0.013	3.8413	
240 minute winter	S127	1.015	S60	47.6	0.613	0.668	2.1527	
240 minute winter	S119	22.003	S60	-0.8	-0.117	-0.011	3.2999	
240 minute winter	S60	1.016	Pond Inlet 1	47.6	0.817	0.628	1.7465	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	33.9	0.024	0.001	432.5414	
240 minute winter	Pond Outlet	1.018	S13	0.3	0.185	0.004	0.1419	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	0.8	0.387	0.020	0.0200	
240 minute winter	PP-S25	2.000_1	S25	0.7	0.489	0.012	0.0071	
240 minute winter	PP-S16	3.000_1	S16	1.2	0.645	0.018	0.0093	
240 minute winter	PP-S145	4.000_2	S145	1.4	0.791	0.017	0.0088	
240 minute winter	PP-S4	1.000_2	S4	1.1	0.558	0.019	0.0098	
240 minute winter	PP-S1	4.000_1	S1	2.0	0.736	0.029	0.0133	

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Results for 1 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	PP-S5	132	0.524	0.024	1.7	0.6012	0.0000	OK
240 minute winter	PP-S12	140	0.513	0.013	0.6	0.2544	0.0000	OK
240 minute winter	PP-S14	4	0.500	0.000	0.0	0.0000	0.0000	OK
240 minute winter	PP-S2	136	0.516	0.016	0.9	0.5575	0.0000	OK
240 minute winter	PP-S15	136	0.514	0.014	0.7	0.2006	0.0000	OK
240 minute winter	PP-S75	136	0.514	0.014	0.7	0.2224	0.0000	OK
240 minute winter	PP-S24	132	0.520	0.020	1.7	0.5250	0.0000	OK
240 minute winter	PP-S30	140	0.512	0.012	0.6	0.1831	0.0000	OK
240 minute winter	PP-S33	140	0.513	0.013	0.7	0.1703	0.0000	OK
240 minute winter	PP-S34	136	0.518	0.018	1.4	0.4296	0.0000	OK
240 minute winter	PP-S35	152	0.507	0.007	0.2	0.0626	0.0000	OK
240 minute winter	PP-S36	136	0.516	0.016	1.1	0.2665	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	PP-S5	2.000_2	S5	1.7	0.759	0.022	0.0110	
240 minute winter	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0046	
240 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
240 minute winter	PP-S2	10.000_1	S2	0.9	0.722	0.010	0.0060	
240 minute winter	PP-S15	12.000_1	S15	0.7	0.690	0.007	0.0051	
240 minute winter	PP-S75	13.000_1	S75	0.7	0.713	0.007	0.0049	
240 minute winter	PP-S24	14.000_1	S92	1.7	0.957	0.016	0.0088	
240 minute winter	PP-S30	18.000_1	S30	0.6	0.740	0.005	0.0040	
240 minute winter	PP-S33	20.000_1	S33	0.7	0.789	0.006	0.0044	
240 minute winter	PP-S34	21.000_1	S34	1.4	0.997	0.012	0.0070	
240 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
240 minute winter	PP-S36	23.000_2	S36	1.1	0.931	0.009	0.0059	

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Results for 1 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S26	216	-0.129	0.109	0.7	0.1932	0.0000	OK
360 minute summer	S25	216	-0.129	0.115	0.7	0.2934	0.0000	OK
360 minute summer	S16	216	-0.129	0.138	5.1	0.6130	0.0000	OK
360 minute summer	S145	216	-0.130	0.185	9.5	0.7950	0.0000	OK
360 minute summer	S4	216	-0.131	0.112	1.1	0.1988	0.0000	OK
360 minute summer	S5	216	-0.131	0.153	2.2	0.2710	0.0000	OK
360 minute summer	S9	216	-0.131	0.165	1.0	0.3803	0.0000	OK
360 minute summer	S10	216	-0.131	0.190	0.7	0.3358	0.0000	OK
360 minute summer	S11	216	-0.131	0.195	2.8	0.3446	0.0000	OK
360 minute summer	S12	216	-0.131	0.204	3.5	0.3603	0.0000	OK
360 minute summer	S1	216	-0.130	0.134	2.5	0.3158	0.0000	OK
360 minute summer	S3	216	-0.130	0.177	4.2	0.5645	0.0000	OK
360 minute summer	S2	216	-0.131	0.205	4.3	0.3622	0.0000	OK
360 minute summer	S14	216	-0.131	0.178	0.8	0.3141	0.0000	OK
360 minute summer	S15	216	-0.131	0.215	10.0	0.9665	0.0000	OK
360 minute summer	S75	216	-0.133	0.229	18.0	0.5834	0.0000	OK
360 minute summer	S87	216	-0.136	0.150	2.8	0.4871	0.0000	OK
360 minute summer	S88	216	-0.136	0.172	5.1	0.5612	0.0000	OK
360 minute summer	S89	216	-0.136	0.194	6.9	0.6283	0.0000	OK
360 minute summer	S90	216	-0.137	0.215	8.7	0.6864	0.0000	OK
360 minute summer	S92	216	-0.137	0.242	24.7	0.6158	0.0000	OK
360 minute summer	S81	216	-0.142	0.160	2.8	0.5158	0.0000	OK
360 minute summer	S82	216	-0.142	0.182	5.1	0.5899	0.0000	OK
360 minute summer	S83	216	-0.143	0.202	6.9	0.6536	0.0000	OK
360 minute summer	S84	216	-0.143	0.224	8.7	0.7111	0.0000	OK
360 minute summer	S86	216	-0.143	0.250	30.2	0.6355	0.0000	OK
360 minute summer	S76	216	-0.151	0.166	2.8	0.5331	0.0000	OK
360 minute summer	S77	216	-0.151	0.188	5.0	0.6071	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	S26	1.000	S16	0.7	0.041	0.009	2.0604	
360 minute summer	S25	2.000	S16	0.5	0.041	0.007	1.6974	
360 minute summer	S16	1.001	S145	4.1	0.140	0.058	4.8524	
360 minute summer	S145	1.002	S75	8.3	0.148	0.117	6.7395	
360 minute summer	S4	3.000	S5	0.8	0.081	0.011	3.2505	
360 minute summer	S5	3.001	S11	2.1	0.110	0.029	4.6944	
360 minute summer	S9	4.000	S10	0.5	0.089	0.008	2.9590	
360 minute summer	S10	4.001	S11	0.8	0.094	0.010	0.5629	
360 minute summer	S11	3.002	S12	3.2	0.066	0.046	1.2299	
360 minute summer	S12	3.003	S15	3.7	0.063	0.053	1.6786	
360 minute summer	S1	5.000	S3	2.3	0.105	0.033	4.1461	
360 minute summer	S3	5.001	S2	3.7	0.117	0.052	3.7072	
360 minute summer	S2	5.002	S15	4.4	0.088	0.065	1.5621	
360 minute summer	S14	6.000	S15	-0.8	-0.025	-0.012	4.9751	
360 minute summer	S15	3.004	S75	10.4	0.146	0.145	2.4408	
360 minute summer	S75	1.003	S92	18.2	0.223	0.256	2.8293	
360 minute summer	S87	7.000	S88	2.3	0.100	0.032	2.2123	
360 minute summer	S88	7.001	S89	4.1	0.122	0.058	2.6253	
360 minute summer	S89	7.002	S90	5.9	0.142	0.083	3.0431	
360 minute summer	S90	7.003	S92	7.6	0.139	0.108	4.4121	
360 minute summer	S92	1.005	S86	24.8	0.280	0.348	2.4647	
360 minute summer	S81	8.000	S82	2.3	0.093	0.032	2.3923	
360 minute summer	S82	8.001	S83	4.1	0.121	0.058	2.7999	
360 minute summer	S83	8.002	S84	5.9	0.141	0.082	3.2110	
360 minute summer	S84	8.003	S86	7.5	0.147	0.106	4.3759	
360 minute summer	S86	1.006	S30	30.3	0.331	0.427	2.5492	
360 minute summer	S76	9.000	S77	2.2	0.090	0.031	2.5076	
360 minute summer	S77	9.001	S78	4.0	0.121	0.057	2.9272	

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Results for 1 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S78	216	-0.151	0.210	6.8	0.6737	0.0000	OK
360 minute summer	S79	216	-0.152	0.230	8.6	0.7276	0.0000	OK
360 minute summer	S30	216	-0.152	0.255	36.4	0.6488	0.0000	OK
360 minute summer	S31	216	-0.165	0.171	3.0	0.5659	0.0000	OK
360 minute summer	S32	216	-0.165	0.214	4.6	0.6601	0.0000	OK
360 minute summer	S33	216	-0.165	0.258	39.6	0.6555	0.0000	OK
360 minute summer	S34	216	-0.182	0.257	40.5	0.4549	0.0000	OK
360 minute summer	S35	216	-0.206	0.260	40.7	0.4595	0.0000	OK
360 minute summer	S36	216	-0.215	0.227	1.1	0.4003	0.0000	OK
360 minute summer	S37	216	-0.215	0.256	44.4	1.2562	0.0000	OK
360 minute summer	S38	216	-0.264	0.252	44.1	0.4453	0.0000	OK
360 minute summer	S39	216	-0.316	0.246	44.1	0.4352	0.0000	OK
360 minute summer	S56	216	-0.328	0.231	0.2	0.4090	0.0000	OK
360 minute summer	S57	216	-0.328	0.237	44.1	0.6044	0.0000	OK
360 minute summer	S125	216	-0.355	0.200	0.7	0.3535	0.0000	OK
360 minute summer	S127	216	-0.355	0.224	44.0	0.5703	0.0000	OK
360 minute summer	S119	224	-0.392	0.177	0.4	0.3124	0.0000	OK
360 minute summer	S60	224	-0.392	0.201	43.9	0.5110	0.0000	OK
360 minute summer	Pond Inlet 1	224	-0.470	0.140	43.8	0.2468	0.0000	OK
360 minute summer	Pond Outlet	1752	-0.520	0.090	23.4	0.1016	0.0000	OK
360 minute summer	S13	1768	-0.520	0.118	0.2	0.4086	0.0000	OK
360 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute summer	PP-S26	192	0.522	0.022	0.8	0.4539	0.0000	OK
360 minute summer	PP-S25	192	0.517	0.017	0.7	0.2801	0.0000	OK
360 minute summer	PP-S16	192	0.522	0.022	1.3	0.4578	0.0000	OK
360 minute summer	PP-S145	192	0.521	0.021	1.5	0.4509	0.0000	OK
360 minute summer	PP-S4	192	0.522	0.022	1.1	0.4499	0.0000	OK
360 minute summer	PP-S1	216	0.526	0.026	2.9	5.7167	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	S78	9.002	S79	5.8	0.137	0.083	3.3398	
360 minute summer	S79	9.003	S30	7.5	0.139	0.104	4.2287	
360 minute summer	S30	1.007	S33	36.3	0.391	0.510	2.9535	
360 minute summer	S31	10.000	S32	2.0	0.107	0.028	5.5819	
360 minute summer	S32	10.001	S33	2.8	0.116	0.039	7.2484	
360 minute summer	S33	1.008	S34	39.5	0.422	0.560	3.0244	
360 minute summer	S34	1.009	S35	40.5	0.430	0.570	5.0655	
360 minute summer	S35	1.010	S37	40.7	0.434	0.612	1.0634	
360 minute summer	S36	11.000	S37	0.7	-0.045	0.010	4.9725	
360 minute summer	S37	1.011	S38	44.1	0.483	0.624	8.3290	
360 minute summer	S38	1.012	S39	44.1	0.492	0.617	8.1434	
360 minute summer	S39	1.013	S57	44.1	0.508	0.695	0.6473	
360 minute summer	S56	12.011	S57	-0.2	-0.046	-0.004	1.0879	
360 minute summer	S57	1.014	S127	44.0	0.538	0.622	2.2973	
360 minute summer	S125	21.003	S127	-0.7	-0.096	-0.009	3.6225	
360 minute summer	S127	1.015	S60	43.9	0.597	0.616	2.0377	
360 minute summer	S119	22.003	S60	-0.4	-0.069	-0.006	3.1115	
360 minute summer	S60	1.016	Pond Inlet 1	43.8	0.801	0.578	1.6449	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.4	0.016	0.000	447.2252	
360 minute summer	Pond Outlet	1.018	S13	0.2	0.144	0.003	0.1473	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	0.7	0.383	0.019	0.0195	
360 minute summer	PP-S25	2.000_1	S25	0.7	0.486	0.012	0.0070	
360 minute summer	PP-S16	3.000_1	S16	1.3	0.656	0.019	0.0096	
360 minute summer	PP-S145	4.000_2	S145	1.5	0.802	0.017	0.0092	
360 minute summer	PP-S4	1.000_2	S4	1.1	0.555	0.019	0.0096	
360 minute summer	PP-S1	4.000_1	S1	1.8	0.717	0.027	0.0125	

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Results for 1 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	PP-S5	192	0.524	0.024	1.7	0.5967	0.0000	OK
360 minute summer	PP-S12	192	0.513	0.013	0.6	0.2455	0.0000	OK
360 minute summer	PP-S14	8	0.500	0.000	0.0	0.0000	0.0000	OK
360 minute summer	PP-S2	200	0.516	0.016	0.9	0.5393	0.0000	OK
360 minute summer	PP-S15	192	0.514	0.014	0.7	0.1985	0.0000	OK
360 minute summer	PP-S75	192	0.514	0.014	0.7	0.2195	0.0000	OK
360 minute summer	PP-S24	192	0.520	0.020	1.7	0.5223	0.0000	OK
360 minute summer	PP-S30	192	0.512	0.012	0.6	0.1803	0.0000	OK
360 minute summer	PP-S33	192	0.513	0.013	0.7	0.1690	0.0000	OK
360 minute summer	PP-S34	192	0.518	0.018	1.5	0.4501	0.0000	OK
360 minute summer	PP-S35	208	0.507	0.007	0.2	0.0626	0.0000	OK
360 minute summer	PP-S36	192	0.516	0.016	1.1	0.2647	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	PP-S5	2.000_2	S5	1.7	0.757	0.022	0.0109	
360 minute summer	PP-S12	8.000_1	S12	0.6	0.635	0.006	0.0045	
360 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
360 minute summer	PP-S2	10.000_1	S2	0.8	0.714	0.009	0.0059	
360 minute summer	PP-S15	12.000_1	S15	0.7	0.688	0.007	0.0050	
360 minute summer	PP-S75	13.000_1	S75	0.7	0.710	0.007	0.0048	
360 minute summer	PP-S24	14.000_1	S92	1.7	0.955	0.016	0.0087	
360 minute summer	PP-S30	18.000_1	S30	0.6	0.737	0.005	0.0040	
360 minute summer	PP-S33	20.000_1	S33	0.7	0.788	0.006	0.0044	
360 minute summer	PP-S34	21.000_1	S34	1.5	1.013	0.012	0.0073	
360 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
360 minute summer	PP-S36	23.000_2	S36	1.1	0.929	0.009	0.0059	

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Results for 1 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S26	224	-0.133	0.105	0.6	0.1852	0.0000	OK
360 minute winter	S25	224	-0.133	0.111	0.5	0.2819	0.0000	OK
360 minute winter	S16	224	-0.133	0.134	4.1	0.5929	0.0000	OK
360 minute winter	S145	224	-0.135	0.180	7.8	0.7761	0.0000	OK
360 minute winter	S4	224	-0.135	0.108	0.9	0.1906	0.0000	OK
360 minute winter	S5	224	-0.135	0.149	1.9	0.2628	0.0000	OK
360 minute winter	S9	224	-0.136	0.160	0.7	0.3697	0.0000	OK
360 minute winter	S10	224	-0.136	0.185	0.5	0.3277	0.0000	OK
360 minute winter	S11	224	-0.136	0.190	2.6	0.3365	0.0000	OK
360 minute winter	S12	224	-0.136	0.199	3.1	0.3523	0.0000	OK
360 minute winter	S1	224	-0.134	0.130	2.4	0.3052	0.0000	OK
360 minute winter	S3	224	-0.135	0.172	3.8	0.5500	0.0000	OK
360 minute winter	S2	224	-0.136	0.200	4.2	0.3542	0.0000	OK
360 minute winter	S14	224	-0.136	0.173	0.5	0.3062	0.0000	OK
360 minute winter	S15	224	-0.136	0.210	9.5	0.9463	0.0000	OK
360 minute winter	S75	224	-0.137	0.225	16.8	0.5723	0.0000	OK
360 minute winter	S87	224	-0.140	0.146	2.0	0.4752	0.0000	OK
360 minute winter	S88	224	-0.140	0.168	3.8	0.5491	0.0000	OK
360 minute winter	S89	224	-0.140	0.190	5.4	0.6161	0.0000	OK
360 minute winter	S90	224	-0.140	0.212	6.9	0.6741	0.0000	OK
360 minute winter	S92	224	-0.141	0.238	23.6	0.6057	0.0000	OK
360 minute winter	S81	224	-0.146	0.156	2.0	0.5048	0.0000	OK
360 minute winter	S82	224	-0.146	0.178	3.8	0.5788	0.0000	OK
360 minute winter	S83	224	-0.146	0.199	5.4	0.6424	0.0000	OK
360 minute winter	S84	224	-0.146	0.221	6.9	0.6998	0.0000	OK
360 minute winter	S86	224	-0.147	0.246	29.3	0.6262	0.0000	OK
360 minute winter	S76	224	-0.154	0.163	2.0	0.5227	0.0000	OK
360 minute winter	S77	224	-0.154	0.185	3.8	0.5965	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	S26	1.000	S16	0.6	0.043	0.008	1.9563	
360 minute winter	S25	2.000	S16	0.5	0.038	0.007	1.6133	
360 minute winter	S16	1.001	S145	3.7	0.142	0.052	4.6725	
360 minute winter	S145	1.002	S75	7.4	0.158	0.104	6.5553	
360 minute winter	S4	3.000	S5	0.7	0.086	0.011	3.0938	
360 minute winter	S5	3.001	S11	1.9	0.114	0.026	4.5283	
360 minute winter	S9	4.000	S10	0.5	0.088	0.008	2.8569	
360 minute winter	S10	4.001	S11	0.7	0.090	0.010	0.5452	
360 minute winter	S11	3.002	S12	2.9	0.070	0.041	1.1931	
360 minute winter	S12	3.003	S15	3.3	0.068	0.048	1.6317	
360 minute winter	S1	5.000	S3	2.3	0.104	0.032	3.9830	
360 minute winter	S3	5.001	S2	3.7	0.124	0.052	3.5918	
360 minute winter	S2	5.002	S15	4.3	0.092	0.063	1.5187	
360 minute winter	S14	6.000	S15	-0.5	-0.031	-0.007	4.8261	
360 minute winter	S15	3.004	S75	9.8	0.145	0.136	2.3787	
360 minute winter	S75	1.003	S92	17.0	0.219	0.239	2.7666	
360 minute winter	S87	7.000	S88	1.8	0.102	0.025	2.1439	
360 minute winter	S88	7.001	S89	3.3	0.133	0.047	2.5542	
360 minute winter	S89	7.002	S90	4.9	0.153	0.068	2.9696	
360 minute winter	S90	7.003	S92	6.4	0.161	0.090	4.3170	
360 minute winter	S92	1.005	S86	23.6	0.273	0.332	2.4174	
360 minute winter	S81	8.000	S82	1.8	0.097	0.025	2.3278	
360 minute winter	S82	8.001	S83	3.3	0.132	0.048	2.7333	
360 minute winter	S83	8.002	S84	4.9	0.148	0.068	3.1426	
360 minute winter	S84	8.003	S86	6.4	0.166	0.090	4.2925	
360 minute winter	S86	1.006	S30	29.3	0.327	0.413	2.5051	
360 minute winter	S76	9.000	S77	1.8	0.097	0.025	2.4462	
360 minute winter	S77	9.001	S78	3.3	0.131	0.047	2.8639	

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Results for 1 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	224	-0.155	0.206	5.4	0.6631	0.0000	OK
360 minute winter	S79	224	-0.155	0.227	6.9	0.7170	0.0000	OK
360 minute winter	S30	224	-0.156	0.251	35.5	0.6400	0.0000	OK
360 minute winter	S31	224	-0.169	0.167	2.2	0.5546	0.0000	OK
360 minute winter	S32	224	-0.169	0.210	3.6	0.6495	0.0000	OK
360 minute winter	S33	224	-0.169	0.254	38.8	0.6468	0.0000	OK
360 minute winter	S34	224	-0.185	0.254	39.7	0.4487	0.0000	OK
360 minute winter	S35	224	-0.209	0.257	39.8	0.4533	0.0000	OK
360 minute winter	S36	224	-0.219	0.223	0.9	0.3942	0.0000	OK
360 minute winter	S37	224	-0.219	0.252	43.2	1.2392	0.0000	OK
360 minute winter	S38	224	-0.267	0.249	43.1	0.4396	0.0000	OK
360 minute winter	S39	224	-0.318	0.244	43.1	0.4304	0.0000	OK
360 minute winter	S56	224	-0.330	0.229	0.4	0.4045	0.0000	OK
360 minute winter	S57	224	-0.330	0.235	43.1	0.5979	0.0000	OK
360 minute winter	S125	232	-0.357	0.198	0.7	0.3501	0.0000	OK
360 minute winter	S127	232	-0.357	0.222	43.0	0.5652	0.0000	OK
360 minute winter	S119	232	-0.393	0.176	0.6	0.3101	0.0000	OK
360 minute winter	S60	232	-0.394	0.199	42.9	0.5077	0.0000	OK
360 minute winter	Pond Inlet 1	232	-0.470	0.140	42.9	0.2469	0.0000	OK
360 minute winter	Pond Outlet	1784	-0.510	0.100	21.8	0.1132	0.0000	OK
360 minute winter	S13	1048	-0.510	0.128	0.2	0.4441	0.0000	OK
360 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute winter	PP-S26	208	0.520	0.020	0.6	0.3701	0.0000	OK
360 minute winter	PP-S25	208	0.515	0.015	0.5	0.2141	0.0000	OK
360 minute winter	PP-S16	192	0.519	0.019	1.0	0.3639	0.0000	OK
360 minute winter	PP-S145	200	0.518	0.018	1.1	0.3459	0.0000	OK
360 minute winter	PP-S4	192	0.520	0.020	0.9	0.3766	0.0000	OK
360 minute winter	PP-S1	216	0.525	0.025	2.2	5.4961	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	S78	9.002	S79	4.9	0.147	0.070	3.2750	
360 minute winter	S79	9.003	S30	6.4	0.162	0.089	4.1547	
360 minute winter	S30	1.007	S33	35.5	0.388	0.498	2.9050	
360 minute winter	S31	10.000	S32	1.7	0.102	0.024	5.4519	
360 minute winter	S32	10.001	S33	2.9	0.132	0.041	7.1165	
360 minute winter	S33	1.008	S34	38.8	0.421	0.550	2.9748	
360 minute winter	S34	1.009	S35	39.7	0.428	0.559	4.9821	
360 minute winter	S35	1.010	S37	39.8	0.431	0.599	1.0459	
360 minute winter	S36	11.000	S37	0.7	-0.050	0.010	4.8838	
360 minute winter	S37	1.011	S38	43.1	0.477	0.610	8.1947	
360 minute winter	S38	1.012	S39	43.1	0.486	0.603	8.0230	
360 minute winter	S39	1.013	S57	43.1	0.503	0.680	0.6384	
360 minute winter	S56	12.011	S57	-0.4	-0.063	-0.006	1.0730	
360 minute winter	S57	1.014	S127	43.0	0.533	0.608	2.2680	
360 minute winter	S125	21.003	S127	-0.7	-0.114	-0.010	3.5790	
360 minute winter	S127	1.015	S60	42.9	0.591	0.603	2.0177	
360 minute winter	S119	22.003	S60	-0.6	-0.062	-0.009	3.0831	
360 minute winter	S60	1.016	Pond Inlet 1	42.9	0.790	0.567	1.6366	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	21.8	0.018	0.000	500.8713	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.156	0.003	0.1672	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	0.6	0.358	0.016	0.0167	
360 minute winter	PP-S25	2.000_1	S25	0.5	0.443	0.009	0.0056	
360 minute winter	PP-S16	3.000_1	S16	1.0	0.610	0.015	0.0081	
360 minute winter	PP-S145	4.000_2	S145	1.1	0.735	0.013	0.0075	
360 minute winter	PP-S4	1.000_2	S4	0.9	0.525	0.015	0.0084	
360 minute winter	PP-S1	4.000_1	S1	1.7	0.707	0.026	0.0120	

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Results for 1 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP-S5	200	0.521	0.021	1.3	0.4774	0.0000	OK
360 minute winter	PP-S12	200	0.512	0.012	0.5	0.2148	0.0000	OK
360 minute winter	PP-S14	8	0.500	0.000	0.0	0.0000	0.0000	OK
360 minute winter	PP-S2	200	0.514	0.014	0.7	0.4513	0.0000	OK
360 minute winter	PP-S15	208	0.512	0.012	0.5	0.1473	0.0000	OK
360 minute winter	PP-S75	208	0.512	0.012	0.5	0.1636	0.0000	OK
360 minute winter	PP-S24	200	0.518	0.018	1.3	0.4153	0.0000	OK
360 minute winter	PP-S30	200	0.511	0.011	0.5	0.1555	0.0000	OK
360 minute winter	PP-S33	200	0.512	0.012	0.6	0.1480	0.0000	OK
360 minute winter	PP-S34	200	0.516	0.016	1.1	0.3477	0.0000	OK
360 minute winter	PP-S35	208	0.507	0.007	0.2	0.0626	0.0000	OK
360 minute winter	PP-S36	192	0.514	0.014	0.9	0.2214	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	PP-S5	2.000_2	S5	1.3	0.706	0.018	0.0092	
360 minute winter	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
360 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
360 minute winter	PP-S2	10.000_1	S2	0.7	0.673	0.008	0.0051	
360 minute winter	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
360 minute winter	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
360 minute winter	PP-S24	14.000_1	S92	1.3	0.885	0.013	0.0073	
360 minute winter	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
360 minute winter	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
360 minute winter	PP-S34	21.000_1	S34	1.1	0.928	0.009	0.0059	
360 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
360 minute winter	PP-S36	23.000_2	S36	0.9	0.875	0.008	0.0051	

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Results for 1 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S26	272	-0.141	0.097	0.6	0.1708	0.0000	OK
480 minute summer	S25	272	-0.141	0.103	0.6	0.2611	0.0000	OK
480 minute summer	S16	272	-0.141	0.126	4.3	0.5567	0.0000	OK
480 minute summer	S145	272	-0.143	0.172	8.2	0.7396	0.0000	OK
480 minute summer	S4	280	-0.144	0.099	0.9	0.1757	0.0000	OK
480 minute summer	S5	280	-0.144	0.140	1.9	0.2478	0.0000	OK
480 minute summer	S9	280	-0.144	0.152	0.8	0.3500	0.0000	OK
480 minute summer	S10	280	-0.144	0.177	0.5	0.3126	0.0000	OK
480 minute summer	S11	280	-0.144	0.182	2.4	0.3214	0.0000	OK
480 minute summer	S12	280	-0.144	0.191	3.0	0.3371	0.0000	OK
480 minute summer	S1	280	-0.143	0.121	2.2	0.2855	0.0000	OK
480 minute summer	S3	280	-0.143	0.164	3.8	0.5229	0.0000	OK
480 minute summer	S2	280	-0.144	0.192	4.0	0.3391	0.0000	OK
480 minute summer	S14	280	-0.144	0.165	0.6	0.2910	0.0000	OK
480 minute summer	S15	280	-0.144	0.202	9.1	0.9076	0.0000	OK
480 minute summer	S75	280	-0.146	0.216	16.3	0.5500	0.0000	OK
480 minute summer	S87	272	-0.149	0.137	2.2	0.4459	0.0000	OK
480 minute summer	S88	272	-0.149	0.159	4.2	0.5196	0.0000	OK
480 minute summer	S89	272	-0.149	0.181	5.8	0.5869	0.0000	OK
480 minute summer	S90	272	-0.149	0.203	7.4	0.6454	0.0000	OK
480 minute summer	S92	272	-0.150	0.229	22.5	0.5829	0.0000	OK
480 minute summer	S81	272	-0.155	0.147	2.2	0.4754	0.0000	OK
480 minute summer	S82	272	-0.155	0.169	4.1	0.5492	0.0000	OK
480 minute summer	S83	272	-0.155	0.190	5.8	0.6130	0.0000	OK
480 minute summer	S84	272	-0.155	0.212	7.3	0.6710	0.0000	OK
480 minute summer	S86	272	-0.156	0.237	27.8	0.6032	0.0000	OK
480 minute summer	S76	272	-0.164	0.153	2.2	0.4934	0.0000	OK
480 minute summer	S77	272	-0.164	0.175	4.1	0.5671	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	S26	1.000	S16	0.5	0.042	0.008	1.7715	
480 minute summer	S25	2.000	S16	0.5	0.043	0.007	1.4644	
480 minute summer	S16	1.001	S145	3.7	0.140	0.051	4.3400	
480 minute summer	S145	1.002	S75	7.3	0.144	0.104	6.1921	
480 minute summer	S4	3.000	S5	0.7	0.077	0.010	2.8150	
480 minute summer	S5	3.001	S11	1.8	0.089	0.026	4.2247	
480 minute summer	S9	4.000	S10	0.5	0.089	0.007	2.6681	
480 minute summer	S10	4.001	S11	0.7	0.098	0.009	0.5124	
480 minute summer	S11	3.002	S12	2.8	0.069	0.040	1.1242	
480 minute summer	S12	3.003	S15	3.2	0.059	0.046	1.5428	
480 minute summer	S1	5.000	S3	2.2	0.107	0.031	3.6833	
480 minute summer	S3	5.001	S2	3.5	0.113	0.049	3.3750	
480 minute summer	S2	5.002	S15	4.1	0.092	0.060	1.4363	
480 minute summer	S14	6.000	S15	-0.6	0.019	-0.009	4.5426	
480 minute summer	S15	3.004	S75	9.4	0.143	0.131	2.2567	
480 minute summer	S75	1.003	S92	16.5	0.217	0.231	2.6320	
480 minute summer	S87	7.000	S88	1.9	0.101	0.026	1.9771	
480 minute summer	S88	7.001	S89	3.5	0.116	0.049	2.3829	
480 minute summer	S89	7.002	S90	5.2	0.127	0.072	2.7957	
480 minute summer	S90	7.003	S92	6.6	0.139	0.094	4.0975	
480 minute summer	S92	1.005	S86	22.6	0.274	0.319	2.3052	
480 minute summer	S81	8.000	S82	1.8	0.093	0.026	2.1576	
480 minute summer	S82	8.001	S83	3.5	0.108	0.050	2.5595	
480 minute summer	S83	8.002	S84	5.1	0.127	0.072	2.9667	
480 minute summer	S84	8.003	S86	6.6	0.144	0.093	4.0826	
480 minute summer	S86	1.006	S30	27.8	0.325	0.392	2.3924	
480 minute summer	S76	9.000	S77	1.8	0.088	0.026	2.2744	
480 minute summer	S77	9.001	S78	3.5	0.108	0.049	2.6890	

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Results for 1 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S78	272	-0.164	0.197	5.8	0.6338	0.0000	OK
480 minute summer	S79	272	-0.164	0.218	7.3	0.6883	0.0000	OK
480 minute summer	S30	272	-0.165	0.242	33.6	0.6169	0.0000	OK
480 minute summer	S31	272	-0.178	0.158	2.4	0.5246	0.0000	OK
480 minute summer	S32	272	-0.178	0.201	3.8	0.6216	0.0000	OK
480 minute summer	S33	272	-0.178	0.245	36.7	0.6237	0.0000	OK
480 minute summer	S34	272	-0.194	0.245	37.5	0.4330	0.0000	OK
480 minute summer	S35	272	-0.218	0.248	37.6	0.4379	0.0000	OK
480 minute summer	S36	272	-0.227	0.215	1.0	0.3791	0.0000	OK
480 minute summer	S37	272	-0.227	0.244	41.0	1.1973	0.0000	OK
480 minute summer	S38	280	-0.275	0.241	40.9	0.4254	0.0000	OK
480 minute summer	S39	280	-0.326	0.236	40.7	0.4177	0.0000	OK
480 minute summer	S56	280	-0.337	0.222	0.4	0.3924	0.0000	OK
480 minute summer	S57	280	-0.337	0.228	40.7	0.5805	0.0000	OK
480 minute summer	S125	280	-0.363	0.192	0.4	0.3386	0.0000	OK
480 minute summer	S127	280	-0.363	0.216	40.7	0.5488	0.0000	OK
480 minute summer	S119	288	-0.400	0.169	0.5	0.2992	0.0000	OK
480 minute summer	S60	288	-0.400	0.193	40.7	0.4920	0.0000	OK
480 minute summer	Pond Inlet 1	288	-0.476	0.134	40.6	0.2370	0.0000	OK
480 minute summer	Pond Outlet	1872	-0.513	0.097	20.7	0.1101	0.0000	OK
480 minute summer	S13	1264	-0.513	0.125	0.1	0.4345	0.0000	OK
480 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute summer	PP-S26	256	0.520	0.020	0.7	0.3875	0.0000	OK
480 minute summer	PP-S25	256	0.516	0.016	0.6	0.2489	0.0000	OK
480 minute summer	PP-S16	256	0.520	0.020	1.1	0.3811	0.0000	OK
480 minute summer	PP-S145	256	0.519	0.019	1.2	0.3736	0.0000	OK
480 minute summer	PP-S4	256	0.520	0.020	1.0	0.3973	0.0000	OK
480 minute summer	PP-S1	272	0.525	0.025	2.5	5.3260	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	S78	9.002	S79	5.1	0.126	0.073	3.0984	
480 minute summer	S79	9.003	S30	6.6	0.147	0.092	3.9574	
480 minute summer	S30	1.007	S33	33.6	0.384	0.472	2.7769	
480 minute summer	S31	10.000	S32	1.7	0.080	0.025	5.1088	
480 minute summer	S32	10.001	S33	2.6	0.117	0.037	6.7678	
480 minute summer	S33	1.008	S34	36.6	0.415	0.519	2.8458	
480 minute summer	S34	1.009	S35	37.5	0.422	0.528	4.7717	
480 minute summer	S35	1.010	S37	37.6	0.425	0.566	1.0024	
480 minute summer	S36	11.000	S37	0.7	-0.040	0.010	4.6640	
480 minute summer	S37	1.011	S38	40.9	0.472	0.578	7.8600	
480 minute summer	S38	1.012	S39	40.7	0.479	0.570	7.7162	
480 minute summer	S39	1.013	S57	40.7	0.495	0.643	0.6150	
480 minute summer	S56	12.011	S57	-0.4	-0.096	-0.006	1.0329	
480 minute summer	S57	1.014	S127	40.7	0.524	0.575	2.1848	
480 minute summer	S125	21.003	S127	-0.4	-0.084	-0.005	3.4365	
480 minute summer	S127	1.015	S60	40.7	0.581	0.571	1.9392	
480 minute summer	S119	22.003	S60	-0.5	-0.088	-0.007	2.9488	
480 minute summer	S60	1.016	Pond Inlet 1	40.6	0.782	0.536	1.5614	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	20.7	0.013	0.000	486.3798	
480 minute summer	Pond Outlet	1.018	S13	0.1	0.136	0.002	0.1618	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	0.6	0.363	0.016	0.0173	
480 minute summer	PP-S25	2.000_1	S25	0.6	0.467	0.010	0.0064	
480 minute summer	PP-S16	3.000_1	S16	1.0	0.620	0.015	0.0084	
480 minute summer	PP-S145	4.000_2	S145	1.2	0.755	0.014	0.0079	
480 minute summer	PP-S4	1.000_2	S4	0.9	0.534	0.016	0.0087	
480 minute summer	PP-S1	4.000_1	S1	1.6	0.699	0.025	0.0117	

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Results for 1 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP-S5	256	0.522	0.022	1.4	0.5085	0.0000	OK
480 minute summer	PP-S12	256	0.512	0.012	0.5	0.2132	0.0000	OK
480 minute summer	PP-S14	8	0.500	0.000	0.0	0.0000	0.0000	OK
480 minute summer	PP-S2	256	0.514	0.014	0.8	0.4654	0.0000	OK
480 minute summer	PP-S15	256	0.513	0.013	0.6	0.1736	0.0000	OK
480 minute summer	PP-S75	248	0.512	0.012	0.6	0.1777	0.0000	OK
480 minute summer	PP-S24	256	0.519	0.019	1.4	0.4432	0.0000	OK
480 minute summer	PP-S30	256	0.511	0.011	0.5	0.1551	0.0000	OK
480 minute summer	PP-S33	256	0.512	0.012	0.6	0.1478	0.0000	OK
480 minute summer	PP-S34	256	0.516	0.016	1.2	0.3742	0.0000	OK
480 minute summer	PP-S35	264	0.507	0.007	0.2	0.0626	0.0000	OK
480 minute summer	PP-S36	248	0.515	0.015	1.0	0.2346	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	PP-S5	2.000_2	S5	1.4	0.720	0.019	0.0097	
480 minute summer	PP-S12	8.000_1	S12	0.5	0.607	0.005	0.0041	
480 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
480 minute summer	PP-S2	10.000_1	S2	0.7	0.680	0.008	0.0052	
480 minute summer	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0045	
480 minute summer	PP-S75	13.000_1	S75	0.5	0.663	0.006	0.0041	
480 minute summer	PP-S24	14.000_1	S92	1.4	0.905	0.014	0.0077	
480 minute summer	PP-S30	18.000_1	S30	0.5	0.702	0.004	0.0036	
480 minute summer	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
480 minute summer	PP-S34	21.000_1	S34	1.2	0.951	0.010	0.0063	
480 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
480 minute summer	PP-S36	23.000_2	S36	1.0	0.891	0.008	0.0053	

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Results for 1 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S26	288	-0.151	0.087	0.5	0.1530	0.0000	OK
480 minute winter	S25	288	-0.151	0.093	0.4	0.2356	0.0000	OK
480 minute winter	S16	288	-0.151	0.116	3.5	0.5121	0.0000	OK
480 minute winter	S145	288	-0.153	0.162	6.7	0.6961	0.0000	OK
480 minute winter	S4	288	-0.154	0.089	0.7	0.1577	0.0000	OK
480 minute winter	S5	288	-0.154	0.130	1.6	0.2299	0.0000	OK
480 minute winter	S9	288	-0.154	0.142	0.6	0.3267	0.0000	OK
480 minute winter	S10	288	-0.154	0.167	0.5	0.2947	0.0000	OK
480 minute winter	S11	288	-0.154	0.172	2.2	0.3035	0.0000	OK
480 minute winter	S12	288	-0.154	0.181	2.7	0.3193	0.0000	OK
480 minute winter	S1	288	-0.153	0.111	2.1	0.2621	0.0000	OK
480 minute winter	S3	288	-0.154	0.153	3.4	0.4907	0.0000	OK
480 minute winter	S2	288	-0.154	0.182	3.7	0.3213	0.0000	OK
480 minute winter	S14	288	-0.154	0.155	0.3	0.2731	0.0000	OK
480 minute winter	S15	288	-0.154	0.192	8.3	0.8622	0.0000	OK
480 minute winter	S75	288	-0.156	0.206	14.8	0.5245	0.0000	OK
480 minute winter	S87	288	-0.158	0.128	1.6	0.4146	0.0000	OK
480 minute winter	S88	288	-0.158	0.150	3.1	0.4881	0.0000	OK
480 minute winter	S89	288	-0.159	0.171	4.5	0.5553	0.0000	OK
480 minute winter	S90	288	-0.159	0.193	5.8	0.6142	0.0000	OK
480 minute winter	S92	288	-0.160	0.219	20.8	0.5577	0.0000	OK
480 minute winter	S81	288	-0.164	0.138	1.6	0.4443	0.0000	OK
480 minute winter	S82	288	-0.165	0.159	3.1	0.5179	0.0000	OK
480 minute winter	S83	288	-0.165	0.180	4.5	0.5818	0.0000	OK
480 minute winter	S84	288	-0.165	0.202	5.8	0.6401	0.0000	OK
480 minute winter	S86	288	-0.166	0.227	25.9	0.5782	0.0000	OK
480 minute winter	S76	288	-0.173	0.144	1.6	0.4627	0.0000	OK
480 minute winter	S77	288	-0.173	0.166	3.1	0.5361	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S26	1.000	S16	0.5	0.040	0.006	1.5503	
480 minute winter	S25	2.000	S16	0.4	0.041	0.006	1.2862	
480 minute winter	S16	1.001	S145	3.2	0.137	0.045	3.9438	
480 minute winter	S145	1.002	S75	6.4	0.144	0.091	5.7742	
480 minute winter	S4	3.000	S5	0.6	0.081	0.009	2.4888	
480 minute winter	S5	3.001	S11	1.6	0.105	0.023	3.8682	
480 minute winter	S9	4.000	S10	0.5	0.088	0.007	2.4474	
480 minute winter	S10	4.001	S11	0.6	0.081	0.008	0.4739	
480 minute winter	S11	3.002	S12	2.5	0.066	0.035	1.0434	
480 minute winter	S12	3.003	S15	2.8	0.061	0.041	1.4386	
480 minute winter	S1	5.000	S3	2.0	0.107	0.028	3.3326	
480 minute winter	S3	5.001	S2	3.2	0.120	0.045	3.1203	
480 minute winter	S2	5.002	S15	3.7	0.095	0.055	1.3397	
480 minute winter	S14	6.000	S15	-0.3	-0.025	-0.004	4.2117	
480 minute winter	S15	3.004	S75	8.4	0.141	0.118	2.1163	
480 minute winter	S75	1.003	S92	14.9	0.211	0.210	2.4822	
480 minute winter	S87	7.000	S88	1.5	0.103	0.021	1.8019	
480 minute winter	S88	7.001	S89	2.8	0.122	0.040	2.2008	
480 minute winter	S89	7.002	S90	4.2	0.142	0.059	2.6084	
480 minute winter	S90	7.003	S92	5.5	0.152	0.078	3.8572	
480 minute winter	S92	1.005	S86	20.8	0.267	0.293	2.1821	
480 minute winter	S81	8.000	S82	1.5	0.092	0.020	1.9798	
480 minute winter	S82	8.001	S83	2.8	0.121	0.040	2.3762	
480 minute winter	S83	8.002	S84	4.2	0.141	0.059	2.7792	
480 minute winter	S84	8.003	S86	5.5	0.155	0.077	3.8561	
480 minute winter	S86	1.006	S30	25.9	0.319	0.365	2.2704	
480 minute winter	S76	9.000	S77	1.5	0.089	0.020	2.0963	
480 minute winter	S77	9.001	S78	2.8	0.121	0.039	2.5059	

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Results for 1 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S78	288	-0.173	0.188	4.5	0.6029	0.0000	OK
480 minute winter	S79	288	-0.174	0.208	5.8	0.6577	0.0000	OK
480 minute winter	S30	288	-0.174	0.233	31.4	0.5922	0.0000	OK
480 minute winter	S31	288	-0.187	0.149	1.8	0.4929	0.0000	OK
480 minute winter	S32	288	-0.187	0.192	3.0	0.5921	0.0000	OK
480 minute winter	S33	288	-0.187	0.236	34.4	0.5994	0.0000	OK
480 minute winter	S34	288	-0.203	0.236	35.1	0.4163	0.0000	OK
480 minute winter	S35	288	-0.227	0.239	35.2	0.4215	0.0000	OK
480 minute winter	S36	288	-0.237	0.205	0.7	0.3631	0.0000	OK
480 minute winter	S37	288	-0.237	0.234	38.2	1.1527	0.0000	OK
480 minute winter	S38	288	-0.284	0.232	38.2	0.4100	0.0000	OK
480 minute winter	S39	288	-0.334	0.228	38.2	0.4036	0.0000	OK
480 minute winter	S56	288	-0.345	0.214	0.2	0.3790	0.0000	OK
480 minute winter	S57	288	-0.345	0.220	38.1	0.5611	0.0000	OK
480 minute winter	S125	296	-0.370	0.185	0.6	0.3269	0.0000	OK
480 minute winter	S127	296	-0.370	0.209	38.1	0.5318	0.0000	OK
480 minute winter	S119	296	-0.405	0.164	0.5	0.2903	0.0000	OK
480 minute winter	S60	296	-0.405	0.188	38.1	0.4792	0.0000	OK
480 minute winter	Pond Inlet 1	304	-0.478	0.132	38.0	0.2327	0.0000	OK
480 minute winter	Pond Outlet	1872	-0.502	0.108	19.1	0.1223	0.0000	OK
480 minute winter	S13	1808	-0.502	0.136	0.1	0.4717	0.0000	OK
480 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute winter	PP-S26	272	0.518	0.018	0.5	0.3149	0.0000	OK
480 minute winter	PP-S25	288	0.514	0.014	0.4	0.1738	0.0000	OK
480 minute winter	PP-S16	264	0.517	0.017	0.8	0.3007	0.0000	OK
480 minute winter	PP-S145	264	0.517	0.017	0.9	0.2892	0.0000	OK
480 minute winter	PP-S4	272	0.518	0.018	0.7	0.3050	0.0000	OK
480 minute winter	PP-S1	288	0.524	0.024	1.8	4.9982	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S78	9.002	S79	4.2	0.139	0.060	2.9117	
480 minute winter	S79	9.003	S30	5.5	0.142	0.076	3.7467	
480 minute winter	S30	1.007	S33	31.4	0.378	0.441	2.6403	
480 minute winter	S31	10.000	S32	1.5	0.089	0.021	4.7498	
480 minute winter	S32	10.001	S33	2.6	0.130	0.037	6.4003	
480 minute winter	S33	1.008	S34	34.4	0.410	0.487	2.7085	
480 minute winter	S34	1.009	S35	35.1	0.415	0.495	4.5468	
480 minute winter	S35	1.010	S37	35.2	0.418	0.530	0.9560	
480 minute winter	S36	11.000	S37	0.6	-0.052	0.009	4.4308	
480 minute winter	S37	1.011	S38	38.2	0.461	0.540	7.5008	
480 minute winter	S38	1.012	S39	38.2	0.468	0.534	7.3776	
480 minute winter	S39	1.013	S57	38.1	0.483	0.602	0.5889	
480 minute winter	S56	12.011	S57	-0.2	-0.042	-0.003	0.9884	
480 minute winter	S57	1.014	S127	38.1	0.511	0.539	2.0949	
480 minute winter	S125	21.003	S127	-0.6	-0.101	-0.009	3.2903	
480 minute winter	S127	1.015	S60	38.1	0.566	0.534	1.8673	
480 minute winter	S119	22.003	S60	-0.5	-0.056	-0.007	2.8401	
480 minute winter	S60	1.016	Pond Inlet 1	38.0	0.761	0.502	1.5109	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	19.1	0.014	0.000	542.6658	
480 minute winter	Pond Outlet	1.018	S13	0.1	0.139	0.002	0.1830	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
480 minute winter	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
480 minute winter	PP-S16	3.000_1	S16	0.8	0.571	0.012	0.0070	
480 minute winter	PP-S145	4.000_2	S145	0.9	0.691	0.011	0.0065	
480 minute winter	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
480 minute winter	PP-S1	4.000_1	S1	1.5	0.683	0.023	0.0111	

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Results for 1 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP-S5	256	0.519	0.019	1.1	0.4093	0.0000	OK
480 minute winter	PP-S12	272	0.511	0.011	0.4	0.1762	0.0000	OK
480 minute winter	PP-S14	8	0.500	0.000	0.0	0.0000	0.0000	OK
480 minute winter	PP-S2	256	0.513	0.013	0.6	0.3846	0.0000	OK
480 minute winter	PP-S15	288	0.511	0.011	0.4	0.1210	0.0000	OK
480 minute winter	PP-S75	280	0.511	0.011	0.4	0.1345	0.0000	OK
480 minute winter	PP-S24	256	0.517	0.017	1.1	0.3573	0.0000	OK
480 minute winter	PP-S30	272	0.510	0.010	0.4	0.1284	0.0000	OK
480 minute winter	PP-S33	264	0.511	0.011	0.5	0.1260	0.0000	OK
480 minute winter	PP-S34	264	0.514	0.014	0.9	0.2906	0.0000	OK
480 minute winter	PP-S35	240	0.505	0.005	0.1	0.0345	0.0000	OK
480 minute winter	PP-S36	264	0.513	0.013	0.7	0.1765	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP-S5	2.000_2	S5	1.1	0.672	0.015	0.0082	
480 minute winter	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
480 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
480 minute winter	PP-S2	10.000_1	S2	0.6	0.640	0.006	0.0046	
480 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
480 minute winter	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
480 minute winter	PP-S24	14.000_1	S92	1.1	0.840	0.011	0.0065	
480 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
480 minute winter	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
480 minute winter	PP-S34	21.000_1	S34	0.9	0.873	0.008	0.0052	
480 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
480 minute winter	PP-S36	23.000_2	S36	0.7	0.812	0.006	0.0043	

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Results for 1 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S26	345	-0.154	0.084	0.6	0.1478	0.0000	OK
600 minute summer	S25	345	-0.154	0.090	0.5	0.2279	0.0000	OK
600 minute summer	S16	345	-0.154	0.113	3.9	0.4988	0.0000	OK
600 minute summer	S145	345	-0.157	0.158	7.3	0.6824	0.0000	OK
600 minute summer	S4	345	-0.157	0.086	0.8	0.1524	0.0000	OK
600 minute summer	S5	345	-0.157	0.127	1.7	0.2246	0.0000	OK
600 minute summer	S9	345	-0.157	0.139	0.7	0.3198	0.0000	OK
600 minute summer	S10	345	-0.157	0.164	0.5	0.2894	0.0000	OK
600 minute summer	S11	345	-0.157	0.169	2.2	0.2982	0.0000	OK
600 minute summer	S12	345	-0.157	0.178	2.7	0.3139	0.0000	OK
600 minute summer	S1	345	-0.156	0.108	2.1	0.2551	0.0000	OK
600 minute summer	S3	345	-0.157	0.150	3.5	0.4811	0.0000	OK
600 minute summer	S2	345	-0.157	0.179	3.6	0.3159	0.0000	OK
600 minute summer	S14	345	-0.157	0.152	0.4	0.2677	0.0000	OK
600 minute summer	S15	345	-0.158	0.188	8.0	0.8484	0.0000	OK
600 minute summer	S75	345	-0.159	0.203	14.4	0.5166	0.0000	OK
600 minute summer	S87	345	-0.161	0.125	1.8	0.4041	0.0000	OK
600 minute summer	S88	345	-0.162	0.146	3.4	0.4776	0.0000	OK
600 minute summer	S89	345	-0.162	0.168	4.7	0.5450	0.0000	OK
600 minute summer	S90	345	-0.162	0.190	6.1	0.6041	0.0000	OK
600 minute summer	S92	345	-0.163	0.216	20.3	0.5497	0.0000	OK
600 minute summer	S81	345	-0.168	0.134	1.8	0.4339	0.0000	OK
600 minute summer	S82	345	-0.168	0.156	3.4	0.5075	0.0000	OK
600 minute summer	S83	345	-0.168	0.177	4.7	0.5715	0.0000	OK
600 minute summer	S84	345	-0.168	0.199	6.1	0.6301	0.0000	OK
600 minute summer	S86	345	-0.169	0.224	25.3	0.5703	0.0000	OK
600 minute summer	S76	345	-0.176	0.141	1.8	0.4524	0.0000	OK
600 minute summer	S77	345	-0.176	0.163	3.4	0.5259	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	S26	1.000	S16	0.5	0.048	0.007	1.4861	
600 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.2337	
600 minute summer	S16	1.001	S145	3.2	0.141	0.044	3.8231	
600 minute summer	S145	1.002	S75	6.4	0.144	0.091	5.6435	
600 minute summer	S4	3.000	S5	0.6	0.079	0.008	2.3953	
600 minute summer	S5	3.001	S11	1.6	0.089	0.022	3.7634	
600 minute summer	S9	4.000	S10	0.5	0.086	0.007	2.3818	
600 minute summer	S10	4.001	S11	0.6	0.097	0.008	0.4625	
600 minute summer	S11	3.002	S12	2.5	0.089	0.035	1.0193	
600 minute summer	S12	3.003	S15	2.8	0.059	0.041	1.4072	
600 minute summer	S1	5.000	S3	2.0	0.107	0.028	3.2283	
600 minute summer	S3	5.001	S2	3.2	0.109	0.045	3.0439	
600 minute summer	S2	5.002	S15	3.7	0.113	0.054	1.3105	
600 minute summer	S14	6.000	S15	-0.4	-0.013	-0.006	4.1120	
600 minute summer	S15	3.004	S75	8.4	0.141	0.117	2.0733	
600 minute summer	S75	1.003	S92	14.5	0.208	0.204	2.4353	
600 minute summer	S87	7.000	S88	1.6	0.098	0.022	1.7445	
600 minute summer	S88	7.001	S89	2.9	0.115	0.041	2.1413	
600 minute summer	S89	7.002	S90	4.3	0.127	0.060	2.5477	
600 minute summer	S90	7.003	S92	5.6	0.129	0.080	3.7806	
600 minute summer	S92	1.005	S86	20.4	0.265	0.287	2.1431	
600 minute summer	S81	8.000	S82	1.6	0.091	0.022	1.9216	
600 minute summer	S82	8.001	S83	2.9	0.108	0.042	2.3163	
600 minute summer	S83	8.002	S84	4.3	0.126	0.060	2.7185	
600 minute summer	S84	8.003	S86	5.6	0.123	0.079	3.7835	
600 minute summer	S86	1.006	S30	25.4	0.317	0.357	2.2316	
600 minute summer	S76	9.000	S77	1.6	0.088	0.022	2.0376	
600 minute summer	S77	9.001	S78	2.9	0.108	0.041	2.4461	

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Results for 1 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S78	345	-0.177	0.184	4.7	0.5928	0.0000	OK
600 minute summer	S79	345	-0.177	0.205	6.1	0.6478	0.0000	OK
600 minute summer	S30	345	-0.177	0.230	31.0	0.5843	0.0000	OK
600 minute summer	S31	345	-0.190	0.146	1.9	0.4829	0.0000	OK
600 minute summer	S32	345	-0.190	0.189	3.2	0.5827	0.0000	OK
600 minute summer	S33	345	-0.191	0.232	33.7	0.5916	0.0000	OK
600 minute summer	S34	345	-0.206	0.233	34.3	0.4109	0.0000	OK
600 minute summer	S35	345	-0.230	0.236	34.5	0.4162	0.0000	OK
600 minute summer	S36	345	-0.240	0.202	0.8	0.3577	0.0000	OK
600 minute summer	S37	345	-0.240	0.231	37.3	1.1378	0.0000	OK
600 minute summer	S38	345	-0.287	0.229	37.3	0.4051	0.0000	OK
600 minute summer	S39	345	-0.336	0.226	37.4	0.3991	0.0000	OK
600 minute summer	S56	345	-0.347	0.212	0.1	0.3747	0.0000	OK
600 minute summer	S57	345	-0.347	0.218	37.4	0.5550	0.0000	OK
600 minute summer	S125	345	-0.372	0.183	0.4	0.3225	0.0000	OK
600 minute summer	S127	345	-0.372	0.207	37.4	0.5255	0.0000	OK
600 minute summer	S119	345	-0.407	0.162	0.2	0.2854	0.0000	OK
600 minute summer	S60	345	-0.407	0.186	37.3	0.4721	0.0000	OK
600 minute summer	Pond Inlet 1	360	-0.482	0.128	37.2	0.2264	0.0000	OK
600 minute summer	Pond Outlet	2025	-0.507	0.103	18.8	0.1166	0.0000	OK
600 minute summer	S13	1305	-0.507	0.131	0.1	0.4543	0.0000	OK
600 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute summer	PP-S26	315	0.520	0.020	0.6	0.3634	0.0000	OK
600 minute summer	PP-S25	315	0.515	0.015	0.5	0.2125	0.0000	OK
600 minute summer	PP-S16	315	0.518	0.018	0.9	0.3328	0.0000	OK
600 minute summer	PP-S145	315	0.517	0.017	1.0	0.3167	0.0000	OK
600 minute summer	PP-S4	315	0.519	0.019	0.8	0.3411	0.0000	OK
600 minute summer	PP-S1	330	0.524	0.024	2.0	4.8386	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	S78	9.002	S79	4.3	0.126	0.061	2.8513	
600 minute summer	S79	9.003	S30	5.6	0.126	0.078	3.6792	
600 minute summer	S30	1.007	S33	30.8	0.378	0.432	2.5966	
600 minute summer	S31	10.000	S32	1.5	0.078	0.021	4.6367	
600 minute summer	S32	10.001	S33	2.5	0.087	0.035	6.2829	
600 minute summer	S33	1.008	S34	33.7	0.409	0.477	2.6642	
600 minute summer	S34	1.009	S35	34.4	0.414	0.485	4.4732	
600 minute summer	S35	1.010	S37	34.6	0.416	0.520	0.9406	
600 minute summer	S36	11.000	S37	0.6	0.039	0.008	4.3526	
600 minute summer	S37	1.011	S38	37.3	0.460	0.528	7.3828	
600 minute summer	S38	1.012	S39	37.4	0.466	0.523	7.2700	
600 minute summer	S39	1.013	S57	37.4	0.480	0.590	0.5806	
600 minute summer	S56	12.011	S57	-0.1	-0.073	-0.002	0.9743	
600 minute summer	S57	1.014	S127	37.4	0.508	0.528	2.0642	
600 minute summer	S125	21.003	S127	-0.4	-0.087	-0.006	3.2361	
600 minute summer	S127	1.015	S60	37.3	0.563	0.524	1.8350	
600 minute summer	S119	22.003	S60	-0.2	-0.030	-0.003	2.7802	
600 minute summer	S60	1.016	Pond Inlet 1	37.2	0.760	0.492	1.4703	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	18.8	0.012	0.000	516.5807	
600 minute summer	Pond Outlet	1.018	S13	0.1	0.111	0.001	0.1731	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	0.6	0.357	0.015	0.0164	
600 minute summer	PP-S25	2.000_1	S25	0.5	0.442	0.009	0.0056	
600 minute summer	PP-S16	3.000_1	S16	0.9	0.592	0.013	0.0076	
600 minute summer	PP-S145	4.000_2	S145	1.0	0.713	0.012	0.0070	
600 minute summer	PP-S4	1.000_2	S4	0.8	0.507	0.014	0.0078	
600 minute summer	PP-S1	4.000_1	S1	1.5	0.675	0.022	0.0108	

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Results for 1 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP-S5	315	0.520	0.020	1.2	0.4427	0.0000	OK
600 minute summer	PP-S12	315	0.511	0.011	0.4	0.1747	0.0000	OK
600 minute summer	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
600 minute summer	PP-S2	315	0.513	0.013	0.6	0.3844	0.0000	OK
600 minute summer	PP-S15	315	0.512	0.012	0.5	0.1470	0.0000	OK
600 minute summer	PP-S75	315	0.512	0.012	0.5	0.1632	0.0000	OK
600 minute summer	PP-S24	315	0.517	0.017	1.2	0.3856	0.0000	OK
600 minute summer	PP-S30	330	0.510	0.010	0.4	0.1284	0.0000	OK
600 minute summer	PP-S33	315	0.511	0.011	0.5	0.1259	0.0000	OK
600 minute summer	PP-S34	315	0.515	0.015	1.0	0.3198	0.0000	OK
600 minute summer	PP-S35	315	0.507	0.007	0.2	0.0623	0.0000	OK
600 minute summer	PP-S36	315	0.513	0.013	0.8	0.1992	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	PP-S5	2.000_2	S5	1.2	0.690	0.016	0.0087	
600 minute summer	PP-S12	8.000_1	S12	0.4	0.570	0.004	0.0035	
600 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
600 minute summer	PP-S2	10.000_1	S2	0.6	0.640	0.006	0.0046	
600 minute summer	PP-S15	12.000_1	S15	0.5	0.624	0.005	0.0040	
600 minute summer	PP-S75	13.000_1	S75	0.5	0.645	0.005	0.0039	
600 minute summer	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0069	
600 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
600 minute summer	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
600 minute summer	PP-S34	21.000_1	S34	1.0	0.901	0.008	0.0055	
600 minute summer	PP-S35	22.000_2	S35	0.2	0.583	0.002	0.0017	
600 minute summer	PP-S36	23.000_2	S36	0.8	0.845	0.007	0.0047	

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Results for 1 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S26	345	-0.166	0.072	0.4	0.1265	0.0000	OK
600 minute winter	S25	345	-0.166	0.078	0.4	0.1973	0.0000	OK
600 minute winter	S16	345	-0.167	0.100	3.0	0.4454	0.0000	OK
600 minute winter	S145	345	-0.169	0.146	5.9	0.6296	0.0000	OK
600 minute winter	S4	345	-0.169	0.074	0.6	0.1300	0.0000	OK
600 minute winter	S5	345	-0.170	0.114	1.4	0.2021	0.0000	OK
600 minute winter	S9	345	-0.170	0.126	0.5	0.2905	0.0000	OK
600 minute winter	S10	345	-0.170	0.151	0.4	0.2669	0.0000	OK
600 minute winter	S11	345	-0.170	0.156	1.8	0.2757	0.0000	OK
600 minute winter	S12	345	-0.170	0.165	2.2	0.2915	0.0000	OK
600 minute winter	S1	345	-0.168	0.096	1.8	0.2260	0.0000	OK
600 minute winter	S3	345	-0.169	0.138	3.0	0.4411	0.0000	OK
600 minute winter	S2	345	-0.170	0.166	3.4	0.2936	0.0000	OK
600 minute winter	S14	345	-0.170	0.139	0.2	0.2454	0.0000	OK
600 minute winter	S15	345	-0.170	0.176	7.3	0.7916	0.0000	OK
600 minute winter	S75	345	-0.172	0.190	13.1	0.4846	0.0000	OK
600 minute winter	S87	345	-0.173	0.113	1.4	0.3651	0.0000	OK
600 minute winter	S88	345	-0.174	0.134	2.7	0.4382	0.0000	OK
600 minute winter	S89	345	-0.174	0.156	3.9	0.5054	0.0000	OK
600 minute winter	S90	345	-0.175	0.177	5.1	0.5648	0.0000	OK
600 minute winter	S92	345	-0.175	0.204	18.6	0.5180	0.0000	OK
600 minute winter	S81	345	-0.180	0.122	1.4	0.3949	0.0000	OK
600 minute winter	S82	345	-0.180	0.144	2.7	0.4681	0.0000	OK
600 minute winter	S83	345	-0.180	0.165	3.9	0.5320	0.0000	OK
600 minute winter	S84	345	-0.181	0.186	5.1	0.5910	0.0000	OK
600 minute winter	S86	345	-0.181	0.212	23.2	0.5387	0.0000	OK
600 minute winter	S76	345	-0.188	0.129	1.4	0.4134	0.0000	OK
600 minute winter	S77	345	-0.189	0.150	2.7	0.4865	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S26	1.000	S16	0.4	0.042	0.006	1.2342	
600 minute winter	S25	2.000	S16	0.4	0.040	0.005	1.0301	
600 minute winter	S16	1.001	S145	2.8	0.135	0.039	3.3587	
600 minute winter	S145	1.002	S75	5.6	0.140	0.079	5.1320	
600 minute winter	S4	3.000	S5	0.5	0.078	0.008	2.0058	
600 minute winter	S5	3.001	S11	1.4	0.097	0.019	3.3278	
600 minute winter	S9	4.000	S10	0.4	0.089	0.006	2.1111	
600 minute winter	S10	4.001	S11	0.5	0.093	0.007	0.4150	
600 minute winter	S11	3.002	S12	2.0	0.065	0.029	0.9197	
600 minute winter	S12	3.003	S15	2.3	0.055	0.034	1.2785	
600 minute winter	S1	5.000	S3	1.8	0.106	0.025	2.8070	
600 minute winter	S3	5.001	S2	2.9	0.113	0.042	2.7324	
600 minute winter	S2	5.002	S15	3.4	0.093	0.049	1.1913	
600 minute winter	S14	6.000	S15	-0.2	-0.018	-0.003	3.7044	
600 minute winter	S15	3.004	S75	7.4	0.133	0.104	1.8985	
600 minute winter	S75	1.003	S92	13.1	0.201	0.184	2.2471	
600 minute winter	S87	7.000	S88	1.3	0.100	0.018	1.5322	
600 minute winter	S88	7.001	S89	2.5	0.113	0.035	1.9180	
600 minute winter	S89	7.002	S90	3.7	0.127	0.052	2.3156	
600 minute winter	S90	7.003	S92	4.9	0.146	0.069	3.4801	
600 minute winter	S92	1.005	S86	18.5	0.259	0.261	1.9879	
600 minute winter	S81	8.000	S82	1.3	0.092	0.018	1.7037	
600 minute winter	S82	8.001	S83	2.5	0.112	0.036	2.0890	
600 minute winter	S83	8.002	S84	3.7	0.121	0.052	2.4842	
600 minute winter	S84	8.003	S86	4.8	0.135	0.068	3.4976	
600 minute winter	S86	1.006	S30	23.2	0.311	0.327	2.0761	
600 minute winter	S76	9.000	S77	1.3	0.085	0.018	1.8160	
600 minute winter	S77	9.001	S78	2.5	0.109	0.035	2.2161	

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Results for 1 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S78	345	-0.189	0.172	3.9	0.5534	0.0000	OK
600 minute winter	S79	345	-0.189	0.193	5.1	0.6089	0.0000	OK
600 minute winter	S30	345	-0.190	0.217	28.2	0.5527	0.0000	OK
600 minute winter	S31	345	-0.203	0.133	1.5	0.4420	0.0000	OK
600 minute winter	S32	345	-0.203	0.176	2.6	0.5443	0.0000	OK
600 minute winter	S33	345	-0.203	0.220	30.8	0.5599	0.0000	OK
600 minute winter	S34	345	-0.219	0.220	31.5	0.3891	0.0000	OK
600 minute winter	S35	345	-0.243	0.223	31.5	0.3947	0.0000	OK
600 minute winter	S36	345	-0.251	0.191	0.6	0.3367	0.0000	OK
600 minute winter	S37	345	-0.251	0.220	34.2	1.0794	0.0000	OK
600 minute winter	S38	360	-0.298	0.218	34.1	0.3847	0.0000	OK
600 minute winter	S39	360	-0.346	0.216	34.1	0.3809	0.0000	OK
600 minute winter	S56	360	-0.357	0.202	0.1	0.3575	0.0000	OK
600 minute winter	S57	360	-0.357	0.208	34.1	0.5301	0.0000	OK
600 minute winter	S125	360	-0.381	0.174	0.2	0.3072	0.0000	OK
600 minute winter	S127	360	-0.381	0.198	34.1	0.5036	0.0000	OK
600 minute winter	S119	360	-0.414	0.155	0.2	0.2736	0.0000	OK
600 minute winter	S60	360	-0.414	0.179	34.1	0.4551	0.0000	OK
600 minute winter	Pond Inlet 1	375	-0.485	0.125	34.1	0.2215	0.0000	OK
600 minute winter	Pond Outlet	1950	-0.495	0.115	17.1	0.1303	0.0000	OK
600 minute winter	S13	1800	-0.495	0.143	0.2	0.4963	0.0000	OK
600 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute winter	PP-S26	345	0.516	0.016	0.4	0.2602	0.0000	OK
600 minute winter	PP-S25	330	0.514	0.014	0.4	0.1738	0.0000	OK
600 minute winter	PP-S16	315	0.516	0.016	0.7	0.2664	0.0000	OK
600 minute winter	PP-S145	315	0.516	0.016	0.8	0.2609	0.0000	OK
600 minute winter	PP-S4	330	0.517	0.017	0.6	0.2658	0.0000	OK
600 minute winter	PP-S1	345	0.522	0.022	1.5	4.4415	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S78	9.002	S79	3.7	0.122	0.053	2.6154	
600 minute winter	S79	9.003	S30	4.8	0.119	0.067	3.4105	
600 minute winter	S30	1.007	S33	28.2	0.369	0.396	2.4195	
600 minute winter	S31	10.000	S32	1.3	0.092	0.018	4.1783	
600 minute winter	S32	10.001	S33	2.3	0.108	0.032	5.8047	
600 minute winter	S33	1.008	S34	30.8	0.399	0.436	2.4846	
600 minute winter	S34	1.009	S35	31.4	0.404	0.442	4.1781	
600 minute winter	S35	1.010	S37	31.5	0.406	0.474	0.8795	
600 minute winter	S36	11.000	S37	0.5	-0.040	0.007	4.0468	
600 minute winter	S37	1.011	S38	34.1	0.447	0.483	6.9029	
600 minute winter	S38	1.012	S39	34.1	0.453	0.477	6.8258	
600 minute winter	S39	1.013	S57	34.1	0.466	0.538	0.5470	
600 minute winter	S56	12.011	S57	-0.1	-0.014	-0.002	0.9173	
600 minute winter	S57	1.014	S127	34.1	0.492	0.482	1.9488	
600 minute winter	S125	21.003	S127	-0.2	-0.070	-0.003	3.0475	
600 minute winter	S127	1.015	S60	34.1	0.544	0.478	1.7407	
600 minute winter	S119	22.003	S60	-0.2	-0.018	-0.002	2.6366	
600 minute winter	S60	1.016	Pond Inlet 1	34.1	0.733	0.450	1.4093	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	17.1	0.013	0.000	580.0660	
600 minute winter	Pond Outlet	1.018	S13	0.2	0.121	0.002	0.1972	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
600 minute winter	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
600 minute winter	PP-S16	3.000_1	S16	0.7	0.548	0.010	0.0064	
600 minute winter	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
600 minute winter	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
600 minute winter	PP-S1	4.000_1	S1	1.3	0.656	0.020	0.0101	

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Results for 1 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP-S5	330	0.518	0.018	0.9	0.3421	0.0000	OK
600 minute winter	PP-S12	360	0.510	0.010	0.3	0.1375	0.0000	OK
600 minute winter	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
600 minute winter	PP-S2	330	0.512	0.012	0.5	0.3322	0.0000	OK
600 minute winter	PP-S15	330	0.511	0.011	0.4	0.1210	0.0000	OK
600 minute winter	PP-S75	315	0.511	0.011	0.4	0.1341	0.0000	OK
600 minute winter	PP-S24	330	0.515	0.015	0.9	0.3010	0.0000	OK
600 minute winter	PP-S30	330	0.509	0.009	0.3	0.0999	0.0000	OK
600 minute winter	PP-S33	330	0.510	0.010	0.4	0.1044	0.0000	OK
600 minute winter	PP-S34	315	0.513	0.013	0.8	0.2597	0.0000	OK
600 minute winter	PP-S35	300	0.505	0.005	0.1	0.0345	0.0000	OK
600 minute winter	PP-S36	330	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
600 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
600 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
600 minute winter	PP-S2	10.000_1	S2	0.5	0.610	0.005	0.0041	
600 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
600 minute winter	PP-S75	13.000_1	S75	0.4	0.605	0.004	0.0033	
600 minute winter	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
600 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
600 minute winter	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
600 minute winter	PP-S34	21.000_1	S34	0.8	0.841	0.007	0.0047	
600 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
600 minute winter	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 1 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S26	405	-0.165	0.073	0.5	0.1290	0.0000	OK
720 minute summer	S25	405	-0.165	0.079	0.4	0.2009	0.0000	OK
720 minute summer	S16	405	-0.165	0.102	3.4	0.4518	0.0000	OK
720 minute summer	S145	405	-0.167	0.148	6.5	0.6361	0.0000	OK
720 minute summer	S4	405	-0.167	0.076	0.7	0.1334	0.0000	OK
720 minute summer	S5	405	-0.168	0.116	1.5	0.2055	0.0000	OK
720 minute summer	S9	405	-0.168	0.128	0.6	0.2948	0.0000	OK
720 minute summer	S10	405	-0.168	0.153	0.4	0.2702	0.0000	OK
720 minute summer	S11	405	-0.168	0.158	1.9	0.2791	0.0000	OK
720 minute summer	S12	405	-0.168	0.167	2.4	0.2948	0.0000	OK
720 minute summer	S1	405	-0.166	0.098	1.8	0.2300	0.0000	OK
720 minute summer	S3	405	-0.167	0.140	3.1	0.4467	0.0000	OK
720 minute summer	S2	405	-0.168	0.168	3.4	0.2968	0.0000	OK
720 minute summer	S14	405	-0.168	0.141	0.4	0.2486	0.0000	OK
720 minute summer	S15	405	-0.168	0.178	7.5	0.7997	0.0000	OK
720 minute summer	S75	405	-0.170	0.192	13.3	0.4890	0.0000	OK
720 minute summer	S87	405	-0.172	0.114	1.6	0.3695	0.0000	OK
720 minute summer	S88	405	-0.172	0.136	3.0	0.4427	0.0000	OK
720 minute summer	S89	405	-0.173	0.157	4.3	0.5100	0.0000	OK
720 minute summer	S90	405	-0.173	0.179	5.5	0.5696	0.0000	OK
720 minute summer	S92	405	-0.174	0.205	18.7	0.5221	0.0000	OK
720 minute summer	S81	405	-0.178	0.124	1.6	0.3993	0.0000	OK
720 minute summer	S82	405	-0.178	0.146	3.0	0.4726	0.0000	OK
720 minute summer	S83	405	-0.179	0.166	4.3	0.5366	0.0000	OK
720 minute summer	S84	405	-0.179	0.188	5.5	0.5957	0.0000	OK
720 minute summer	S86	405	-0.180	0.213	23.4	0.5426	0.0000	OK
720 minute summer	S76	405	-0.187	0.130	1.6	0.4179	0.0000	OK
720 minute summer	S77	405	-0.187	0.152	3.0	0.4911	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	S26	1.000	S16	0.4	0.047	0.006	1.2633	
720 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.0537	
720 minute summer	S16	1.001	S145	2.9	0.135	0.040	3.4141	
720 minute summer	S145	1.002	S75	5.8	0.141	0.082	5.1980	
720 minute summer	S4	3.000	S5	0.6	0.080	0.008	2.0641	
720 minute summer	S5	3.001	S11	1.4	0.089	0.020	3.3921	
720 minute summer	S9	4.000	S10	0.4	0.086	0.006	2.1509	
720 minute summer	S10	4.001	S11	0.6	0.096	0.007	0.4220	
720 minute summer	S11	3.002	S12	2.2	0.101	0.031	0.9342	
720 minute summer	S12	3.003	S15	2.5	0.063	0.036	1.2970	
720 minute summer	S1	5.000	S3	1.8	0.107	0.025	2.8644	
720 minute summer	S3	5.001	S2	2.9	0.104	0.041	2.7762	
720 minute summer	S2	5.002	S15	3.4	0.090	0.050	1.2082	
720 minute summer	S14	6.000	S15	-0.4	-0.011	-0.005	3.7625	
720 minute summer	S15	3.004	S75	7.7	0.137	0.107	1.9228	
720 minute summer	S75	1.003	S92	13.4	0.202	0.188	2.2719	
720 minute summer	S87	7.000	S88	1.4	0.100	0.020	1.5559	
720 minute summer	S88	7.001	S89	2.7	0.113	0.038	1.9436	
720 minute summer	S89	7.002	S90	3.9	0.124	0.055	2.3432	
720 minute summer	S90	7.003	S92	5.1	0.097	0.073	3.5175	
720 minute summer	S92	1.005	S86	18.8	0.261	0.264	2.0075	
720 minute summer	S81	8.000	S82	1.4	0.092	0.020	1.7282	
720 minute summer	S82	8.001	S83	2.7	0.107	0.038	2.1150	
720 minute summer	S83	8.002	S84	3.9	0.123	0.055	2.5120	
720 minute summer	S84	8.003	S86	5.1	0.108	0.072	3.5327	
720 minute summer	S86	1.006	S30	23.4	0.312	0.330	2.0957	
720 minute summer	S76	9.000	S77	1.4	0.087	0.020	1.8417	
720 minute summer	S77	9.001	S78	2.7	0.106	0.037	2.2431	

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Results for 1 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	405	-0.187	0.174	4.3	0.5581	0.0000	OK
720 minute summer	S79	405	-0.188	0.194	5.5	0.6137	0.0000	OK
720 minute summer	S30	405	-0.188	0.219	28.5	0.5567	0.0000	OK
720 minute summer	S31	405	-0.201	0.135	1.7	0.4475	0.0000	OK
720 minute summer	S32	405	-0.201	0.178	2.8	0.5495	0.0000	OK
720 minute summer	S33	405	-0.201	0.222	31.1	0.5642	0.0000	OK
720 minute summer	S34	405	-0.217	0.222	31.8	0.3921	0.0000	OK
720 minute summer	S35	405	-0.241	0.225	31.9	0.3977	0.0000	OK
720 minute summer	S36	405	-0.250	0.192	0.7	0.3397	0.0000	OK
720 minute summer	S37	405	-0.250	0.221	34.5	1.0876	0.0000	OK
720 minute summer	S38	405	-0.297	0.219	34.6	0.3876	0.0000	OK
720 minute summer	S39	405	-0.345	0.217	34.6	0.3830	0.0000	OK
720 minute summer	S56	405	-0.356	0.203	0.1	0.3593	0.0000	OK
720 minute summer	S57	405	-0.356	0.209	34.6	0.5327	0.0000	OK
720 minute summer	S125	405	-0.381	0.174	0.2	0.3083	0.0000	OK
720 minute summer	S127	405	-0.381	0.198	34.5	0.5051	0.0000	OK
720 minute summer	S119	405	-0.414	0.155	0.3	0.2732	0.0000	OK
720 minute summer	S60	405	-0.414	0.179	34.5	0.4545	0.0000	OK
720 minute summer	Pond Inlet 1	420	-0.487	0.123	34.4	0.2181	0.0000	OK
720 minute summer	Pond Outlet	2130	-0.503	0.107	17.3	0.1216	0.0000	OK
720 minute summer	S13	2145	-0.502	0.136	0.1	0.4696	0.0000	OK
720 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute summer	PP-S26	375	0.518	0.018	0.5	0.3082	0.0000	OK
720 minute summer	PP-S25	390	0.514	0.014	0.4	0.1738	0.0000	OK
720 minute summer	PP-S16	375	0.517	0.017	0.8	0.2990	0.0000	OK
720 minute summer	PP-S145	375	0.517	0.017	0.9	0.2889	0.0000	OK
720 minute summer	PP-S4	375	0.518	0.018	0.7	0.3032	0.0000	OK
720 minute summer	PP-S1	390	0.523	0.023	1.8	4.5206	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	S78	9.002	S79	3.9	0.121	0.056	2.6439	
720 minute summer	S79	9.003	S30	5.1	0.117	0.071	3.4441	
720 minute summer	S30	1.007	S33	28.4	0.371	0.399	2.4428	
720 minute summer	S31	10.000	S32	1.3	0.094	0.019	4.2393	
720 minute summer	S32	10.001	S33	2.3	0.114	0.033	5.8690	
720 minute summer	S33	1.008	S34	31.1	0.400	0.441	2.5092	
720 minute summer	S34	1.009	S35	31.8	0.406	0.448	4.2193	
720 minute summer	S35	1.010	S37	32.0	0.408	0.481	0.8881	
720 minute summer	S36	11.000	S37	0.5	0.041	0.008	4.0897	
720 minute summer	S37	1.011	S38	34.6	0.450	0.489	6.9742	
720 minute summer	S38	1.012	S39	34.6	0.454	0.484	6.8830	
720 minute summer	S39	1.013	S57	34.6	0.468	0.545	0.5507	
720 minute summer	S56	12.011	S57	-0.1	-0.049	-0.001	0.9232	
720 minute summer	S57	1.014	S127	34.5	0.495	0.488	1.9590	
720 minute summer	S125	21.003	S127	-0.2	-0.033	-0.003	3.0609	
720 minute summer	S127	1.015	S60	34.5	0.548	0.484	1.7431	
720 minute summer	S119	22.003	S60	-0.3	-0.055	-0.005	2.6316	
720 minute summer	S60	1.016	Pond Inlet 1	34.4	0.741	0.454	1.3980	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	17.3	0.011	0.000	539.5004	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.100	0.001	0.1818	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	0.5	0.343	0.013	0.0142	
720 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
720 minute summer	PP-S16	3.000_1	S16	0.8	0.570	0.012	0.0070	
720 minute summer	PP-S145	4.000_2	S145	0.9	0.691	0.011	0.0065	
720 minute summer	PP-S4	1.000_2	S4	0.7	0.487	0.012	0.0071	
720 minute summer	PP-S1	4.000_1	S1	1.3	0.660	0.020	0.0102	

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Results for 1 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP-S5	375	0.519	0.019	1.1	0.4086	0.0000	OK
720 minute summer	PP-S12	375	0.511	0.011	0.4	0.1747	0.0000	OK
720 minute summer	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
720 minute summer	PP-S2	375	0.513	0.013	0.6	0.3845	0.0000	OK
720 minute summer	PP-S15	390	0.511	0.011	0.4	0.1210	0.0000	OK
720 minute summer	PP-S75	390	0.511	0.011	0.4	0.1345	0.0000	OK
720 minute summer	PP-S24	375	0.517	0.017	1.1	0.3570	0.0000	OK
720 minute summer	PP-S30	375	0.510	0.010	0.4	0.1281	0.0000	OK
720 minute summer	PP-S33	375	0.511	0.011	0.5	0.1259	0.0000	OK
720 minute summer	PP-S34	375	0.514	0.014	0.9	0.2900	0.0000	OK
720 minute summer	PP-S35	375	0.505	0.005	0.1	0.0345	0.0000	OK
720 minute summer	PP-S36	375	0.513	0.013	0.7	0.1764	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	PP-S5	2.000_2	S5	1.1	0.671	0.015	0.0081	
720 minute summer	PP-S12	8.000_1	S12	0.4	0.570	0.004	0.0035	
720 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
720 minute summer	PP-S2	10.000_1	S2	0.6	0.640	0.006	0.0046	
720 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
720 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
720 minute summer	PP-S24	14.000_1	S92	1.1	0.840	0.011	0.0065	
720 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
720 minute summer	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
720 minute summer	PP-S34	21.000_1	S34	0.9	0.872	0.008	0.0051	
720 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
720 minute summer	PP-S36	23.000_2	S36	0.7	0.812	0.006	0.0043	

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Results for 1 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S26	405	-0.178	0.060	0.4	0.1057	0.0000	OK
720 minute winter	S25	405	-0.178	0.066	0.3	0.1674	0.0000	OK
720 minute winter	S16	405	-0.178	0.089	2.7	0.3932	0.0000	OK
720 minute winter	S145	420	-0.181	0.134	5.2	0.5767	0.0000	OK
720 minute winter	S4	420	-0.182	0.061	0.5	0.1085	0.0000	OK
720 minute winter	S5	420	-0.182	0.102	1.2	0.1805	0.0000	OK
720 minute winter	S9	420	-0.182	0.114	0.4	0.2622	0.0000	OK
720 minute winter	S10	420	-0.182	0.139	0.4	0.2452	0.0000	OK
720 minute winter	S11	420	-0.182	0.144	1.7	0.2540	0.0000	OK
720 minute winter	S12	420	-0.182	0.153	2.0	0.2698	0.0000	OK
720 minute winter	S1	420	-0.180	0.084	1.7	0.1977	0.0000	OK
720 minute winter	S3	420	-0.181	0.126	2.7	0.4018	0.0000	OK
720 minute winter	S2	420	-0.182	0.154	3.0	0.2718	0.0000	OK
720 minute winter	S14	420	-0.182	0.127	0.2	0.2236	0.0000	OK
720 minute winter	S15	420	-0.182	0.164	6.7	0.7360	0.0000	OK
720 minute winter	S75	420	-0.184	0.178	11.9	0.4529	0.0000	OK
720 minute winter	S87	405	-0.186	0.100	1.2	0.3251	0.0000	OK
720 minute winter	S88	405	-0.186	0.122	2.3	0.3977	0.0000	OK
720 minute winter	S89	405	-0.187	0.143	3.4	0.4649	0.0000	OK
720 minute winter	S90	405	-0.187	0.165	4.5	0.5249	0.0000	OK
720 minute winter	S92	405	-0.188	0.191	16.8	0.4860	0.0000	OK
720 minute winter	S81	405	-0.192	0.110	1.2	0.3548	0.0000	OK
720 minute winter	S82	405	-0.192	0.132	2.3	0.4277	0.0000	OK
720 minute winter	S83	405	-0.193	0.152	3.4	0.4917	0.0000	OK
720 minute winter	S84	405	-0.193	0.174	4.5	0.5513	0.0000	OK
720 minute winter	S86	405	-0.194	0.199	21.0	0.5067	0.0000	OK
720 minute winter	S76	405	-0.201	0.116	1.2	0.3736	0.0000	OK
720 minute winter	S77	405	-0.201	0.138	2.3	0.4464	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S26	1.000	S16	0.4	0.046	0.005	1.0009	
720 minute winter	S25	2.000	S16	0.3	0.040	0.004	0.8416	
720 minute winter	S16	1.001	S145	2.5	0.134	0.036	2.9126	
720 minute winter	S145	1.002	S75	5.0	0.134	0.072	4.6293	
720 minute winter	S4	3.000	S5	0.5	0.079	0.007	1.6513	
720 minute winter	S5	3.001	S11	1.2	0.098	0.017	2.9188	
720 minute winter	S9	4.000	S10	0.4	0.089	0.006	1.8560	
720 minute winter	S10	4.001	S11	0.5	0.065	0.006	0.3699	
720 minute winter	S11	3.002	S12	1.8	0.076	0.026	0.8246	
720 minute winter	S12	3.003	S15	2.1	0.059	0.030	1.1548	
720 minute winter	S1	5.000	S3	1.6	0.105	0.023	2.4097	
720 minute winter	S3	5.001	S2	2.6	0.110	0.037	2.4340	
720 minute winter	S2	5.002	S15	3.1	0.095	0.045	1.0765	
720 minute winter	S14	6.000	S15	-0.2	-0.015	-0.003	3.3147	
720 minute winter	S15	3.004	S75	6.7	0.131	0.094	1.7282	
720 minute winter	S75	1.003	S92	12.0	0.198	0.168	2.0593	
720 minute winter	S87	7.000	S88	1.1	0.096	0.016	1.3209	
720 minute winter	S88	7.001	S89	2.2	0.114	0.032	1.6944	
720 minute winter	S89	7.002	S90	3.3	0.127	0.047	2.0826	
720 minute winter	S90	7.003	S92	4.4	0.114	0.063	3.1786	
720 minute winter	S92	1.005	S86	16.8	0.256	0.237	1.8320	
720 minute winter	S81	8.000	S82	1.1	0.091	0.016	1.4860	
720 minute winter	S82	8.001	S83	2.2	0.107	0.032	1.8611	
720 minute winter	S83	8.002	S84	3.3	0.127	0.047	2.2486	
720 minute winter	S84	8.003	S86	4.4	0.125	0.062	3.2101	
720 minute winter	S86	1.006	S30	21.0	0.305	0.296	1.9202	
720 minute winter	S76	9.000	S77	1.1	0.086	0.016	1.5961	
720 minute winter	S77	9.001	S78	2.2	0.107	0.031	1.9863	

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Results for 1 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S78	405	-0.201	0.160	3.4	0.5134	0.0000	OK
720 minute winter	S79	405	-0.202	0.180	4.5	0.5695	0.0000	OK
720 minute winter	S30	405	-0.202	0.205	25.6	0.5210	0.0000	OK
720 minute winter	S31	405	-0.215	0.121	1.3	0.4010	0.0000	OK
720 minute winter	S32	405	-0.215	0.164	2.3	0.5060	0.0000	OK
720 minute winter	S33	405	-0.215	0.208	28.0	0.5284	0.0000	OK
720 minute winter	S34	405	-0.231	0.208	28.5	0.3673	0.0000	OK
720 minute winter	S35	405	-0.255	0.211	28.6	0.3733	0.0000	OK
720 minute winter	S36	405	-0.263	0.179	0.5	0.3158	0.0000	OK
720 minute winter	S37	405	-0.263	0.208	31.1	1.0211	0.0000	OK
720 minute winter	S38	420	-0.310	0.206	31.0	0.3648	0.0000	OK
720 minute winter	S39	420	-0.357	0.205	31.0	0.3625	0.0000	OK
720 minute winter	S56	420	-0.367	0.192	0.2	0.3399	0.0000	OK
720 minute winter	S57	420	-0.367	0.198	31.0	0.5048	0.0000	OK
720 minute winter	S125	420	-0.390	0.165	0.4	0.2911	0.0000	OK
720 minute winter	S127	420	-0.390	0.189	31.0	0.4803	0.0000	OK
720 minute winter	S119	420	-0.422	0.147	0.3	0.2598	0.0000	OK
720 minute winter	S60	420	-0.422	0.171	31.0	0.4352	0.0000	OK
720 minute winter	Pond Inlet 1	450	-0.490	0.120	31.0	0.2120	0.0000	OK
720 minute winter	Pond Outlet	2070	-0.491	0.119	15.5	0.1344	0.0000	OK
720 minute winter	S13	1590	-0.491	0.147	0.1	0.5089	0.0000	OK
720 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute winter	PP-S26	390	0.516	0.016	0.4	0.2600	0.0000	OK
720 minute winter	PP-S25	420	0.512	0.012	0.3	0.1335	0.0000	OK
720 minute winter	PP-S16	390	0.515	0.015	0.6	0.2341	0.0000	OK
720 minute winter	PP-S145	390	0.515	0.015	0.7	0.2335	0.0000	OK
720 minute winter	PP-S4	405	0.515	0.015	0.5	0.2272	0.0000	OK
720 minute winter	PP-S1	405	0.521	0.021	1.3	4.0131	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S78	9.002	S79	3.3	0.126	0.048	2.3790	
720 minute winter	S79	9.003	S30	4.4	0.128	0.061	3.1412	
720 minute winter	S30	1.007	S33	25.5	0.361	0.359	2.2430	
720 minute winter	S31	10.000	S32	1.2	0.079	0.017	3.7301	
720 minute winter	S32	10.001	S33	2.1	0.089	0.030	5.3324	
720 minute winter	S33	1.008	S34	27.9	0.391	0.396	2.3062	
720 minute winter	S34	1.009	S35	28.5	0.394	0.402	3.8844	
720 minute winter	S35	1.010	S37	28.6	0.396	0.431	0.8187	
720 minute winter	S36	11.000	S37	0.5	0.045	0.007	3.7430	
720 minute winter	S37	1.011	S38	31.0	0.436	0.439	6.4366	
720 minute winter	S38	1.012	S39	31.0	0.440	0.433	6.3866	
720 minute winter	S39	1.013	S57	31.0	0.451	0.489	0.5131	
720 minute winter	S56	12.011	S57	-0.2	-0.057	-0.003	0.8595	
720 minute winter	S57	1.014	S127	31.0	0.476	0.438	1.8294	
720 minute winter	S125	21.003	S127	-0.4	-0.054	-0.005	2.8496	
720 minute winter	S127	1.015	S60	31.0	0.525	0.435	1.6374	
720 minute winter	S119	22.003	S60	-0.3	-0.086	-0.005	2.4709	
720 minute winter	S60	1.016	Pond Inlet 1	31.0	0.710	0.409	1.3260	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	15.5	0.011	0.000	599.1371	
720 minute winter	Pond Outlet	1.018	S13	0.1	0.116	0.002	0.2044	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
720 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
720 minute winter	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
720 minute winter	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
720 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
720 minute winter	PP-S1	4.000_1	S1	1.2	0.634	0.018	0.0093	

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Results for 1 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	PP-S5	390	0.517	0.017	0.8	0.3083	0.0000	OK
720 minute winter	PP-S12	405	0.510	0.010	0.3	0.1375	0.0000	OK
720 minute winter	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
720 minute winter	PP-S2	420	0.511	0.011	0.4	0.2720	0.0000	OK
720 minute winter	PP-S15	390	0.510	0.010	0.3	0.0947	0.0000	OK
720 minute winter	PP-S75	405	0.509	0.009	0.3	0.1051	0.0000	OK
720 minute winter	PP-S24	390	0.514	0.014	0.8	0.2710	0.0000	OK
720 minute winter	PP-S30	405	0.509	0.009	0.3	0.0999	0.0000	OK
720 minute winter	PP-S33	375	0.510	0.010	0.4	0.1043	0.0000	OK
720 minute winter	PP-S34	390	0.513	0.013	0.7	0.2302	0.0000	OK
720 minute winter	PP-S35	345	0.505	0.005	0.1	0.0345	0.0000	OK
720 minute winter	PP-S36	390	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP-S5	2.000_2	S5	0.8	0.609	0.011	0.0066	
720 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
720 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
720 minute winter	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
720 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
720 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
720 minute winter	PP-S24	14.000_1	S92	0.8	0.764	0.008	0.0052	
720 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
720 minute winter	PP-S33	20.000_1	S33	0.4	0.673	0.003	0.0030	
720 minute winter	PP-S34	21.000_1	S34	0.7	0.809	0.006	0.0043	
720 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
720 minute winter	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 1 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S26	525	-0.180	0.058	0.4	0.1017	0.0000	OK
960 minute summer	S25	525	-0.181	0.063	0.4	0.1616	0.0000	OK
960 minute summer	S16	525	-0.181	0.086	2.8	0.3830	0.0000	OK
960 minute summer	S145	525	-0.184	0.131	5.4	0.5653	0.0000	OK
960 minute summer	S4	525	-0.184	0.059	0.6	0.1038	0.0000	OK
960 minute summer	S5	525	-0.185	0.099	1.3	0.1758	0.0000	OK
960 minute summer	S9	525	-0.185	0.111	0.5	0.2560	0.0000	OK
960 minute summer	S10	525	-0.185	0.136	0.4	0.2404	0.0000	OK
960 minute summer	S11	525	-0.185	0.141	1.7	0.2493	0.0000	OK
960 minute summer	S12	525	-0.185	0.150	2.0	0.2650	0.0000	OK
960 minute summer	S1	525	-0.183	0.081	1.7	0.1916	0.0000	OK
960 minute summer	S3	525	-0.184	0.123	2.7	0.3933	0.0000	OK
960 minute summer	S2	525	-0.185	0.151	3.0	0.2670	0.0000	OK
960 minute summer	S14	525	-0.185	0.124	0.2	0.2188	0.0000	OK
960 minute summer	S15	525	-0.185	0.161	6.5	0.7238	0.0000	OK
960 minute summer	S75	525	-0.187	0.175	11.7	0.4460	0.0000	OK
960 minute summer	S87	525	-0.189	0.097	1.3	0.3154	0.0000	OK
960 minute summer	S88	525	-0.189	0.119	2.5	0.3880	0.0000	OK
960 minute summer	S89	525	-0.189	0.141	3.6	0.4554	0.0000	OK
960 minute summer	S90	525	-0.190	0.162	4.6	0.5156	0.0000	OK
960 minute summer	S92	525	-0.191	0.188	16.5	0.4787	0.0000	OK
960 minute summer	S81	525	-0.195	0.107	1.3	0.3447	0.0000	OK
960 minute summer	S82	525	-0.195	0.129	2.5	0.4175	0.0000	OK
960 minute summer	S83	525	-0.196	0.149	3.5	0.4817	0.0000	OK
960 minute summer	S84	525	-0.196	0.171	4.6	0.5415	0.0000	OK
960 minute summer	S86	525	-0.197	0.196	20.6	0.4990	0.0000	OK
960 minute summer	S76	525	-0.204	0.113	1.3	0.3632	0.0000	OK
960 minute summer	S77	525	-0.204	0.135	2.5	0.4359	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S26	1.000	S16	0.4	0.047	0.005	0.9579	
960 minute summer	S25	2.000	S16	0.3	0.040	0.004	0.8062	
960 minute summer	S16	1.001	S145	2.6	0.131	0.036	2.8234	
960 minute summer	S145	1.002	S75	5.0	0.132	0.071	4.5216	
960 minute summer	S4	3.000	S5	0.5	0.075	0.007	1.5756	
960 minute summer	S5	3.001	S11	1.2	0.106	0.017	2.8299	
960 minute summer	S9	4.000	S10	0.4	0.065	0.006	1.8009	
960 minute summer	S10	4.001	S11	0.5	-0.044	0.006	0.3602	
960 minute summer	S11	3.002	S12	1.8	0.094	0.026	0.8038	
960 minute summer	S12	3.003	S15	2.1	0.061	0.030	1.1277	
960 minute summer	S1	5.000	S3	1.6	0.107	0.022	2.3255	
960 minute summer	S3	5.001	S2	2.6	0.105	0.037	2.3693	
960 minute summer	S2	5.002	S15	3.0	0.088	0.043	1.0513	
960 minute summer	S14	6.000	S15	-0.2	-0.009	-0.003	3.2299	
960 minute summer	S15	3.004	S75	6.5	0.133	0.091	1.6911	
960 minute summer	S75	1.003	S92	11.7	0.197	0.164	2.0186	
960 minute summer	S87	7.000	S88	1.2	0.100	0.017	1.2710	
960 minute summer	S88	7.001	S89	2.3	0.113	0.032	1.6416	
960 minute summer	S89	7.002	S90	3.3	0.113	0.047	2.0285	
960 minute summer	S90	7.003	S92	4.4	0.093	0.062	3.1099	
960 minute summer	S92	1.005	S86	16.5	0.256	0.232	1.7956	
960 minute summer	S81	8.000	S82	1.2	0.092	0.016	1.4321	
960 minute summer	S82	8.001	S83	2.2	0.107	0.032	1.8044	
960 minute summer	S83	8.002	S84	3.3	0.103	0.046	2.1907	
960 minute summer	S84	8.003	S86	4.3	0.103	0.061	3.1406	
960 minute summer	S86	1.006	S30	20.6	0.305	0.290	1.8818	
960 minute summer	S76	9.000	S77	1.2	0.088	0.016	1.5397	
960 minute summer	S77	9.001	S78	2.2	0.102	0.031	1.9274	

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Results for 1 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S78	525	-0.204	0.157	3.5	0.5030	0.0000	OK
960 minute summer	S79	525	-0.205	0.177	4.6	0.5594	0.0000	OK
960 minute summer	S30	525	-0.205	0.202	24.9	0.5129	0.0000	OK
960 minute summer	S31	525	-0.218	0.118	1.4	0.3906	0.0000	OK
960 minute summer	S32	525	-0.218	0.161	2.4	0.4964	0.0000	OK
960 minute summer	S33	525	-0.219	0.204	27.2	0.5204	0.0000	OK
960 minute summer	S34	525	-0.234	0.205	27.8	0.3619	0.0000	OK
960 minute summer	S35	525	-0.258	0.208	27.9	0.3678	0.0000	OK
960 minute summer	S36	525	-0.266	0.176	0.6	0.3102	0.0000	OK
960 minute summer	S37	525	-0.266	0.205	30.2	1.0057	0.0000	OK
960 minute summer	S38	525	-0.313	0.203	30.2	0.3590	0.0000	OK
960 minute summer	S39	525	-0.360	0.202	30.1	0.3565	0.0000	OK
960 minute summer	S56	525	-0.370	0.189	0.2	0.3339	0.0000	OK
960 minute summer	S57	525	-0.370	0.195	30.1	0.4962	0.0000	OK
960 minute summer	S125	540	-0.394	0.161	0.2	0.2851	0.0000	OK
960 minute summer	S127	540	-0.394	0.185	30.1	0.4717	0.0000	OK
960 minute summer	S119	540	-0.425	0.144	0.1	0.2544	0.0000	OK
960 minute summer	S60	540	-0.425	0.168	30.0	0.4275	0.0000	OK
960 minute summer	Pond Inlet 1	555	-0.495	0.115	29.9	0.2040	0.0000	OK
960 minute summer	Pond Outlet	2370	-0.497	0.113	15.0	0.1276	0.0000	OK
960 minute summer	S13	1770	-0.497	0.141	0.1	0.4881	0.0000	OK
960 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute summer	PP-S26	510	0.516	0.016	0.4	0.2599	0.0000	OK
960 minute summer	PP-S25	495	0.514	0.014	0.4	0.1719	0.0000	OK
960 minute summer	PP-S16	510	0.515	0.015	0.6	0.2341	0.0000	OK
960 minute summer	PP-S145	495	0.515	0.015	0.7	0.2329	0.0000	OK
960 minute summer	PP-S4	495	0.516	0.016	0.6	0.2641	0.0000	OK
960 minute summer	PP-S1	525	0.521	0.021	1.5	4.0215	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S78	9.002	S79	3.3	0.103	0.047	2.3185	
960 minute summer	S79	9.003	S30	4.3	0.108	0.060	3.0730	
960 minute summer	S30	1.007	S33	24.9	0.360	0.350	2.1987	
960 minute summer	S31	10.000	S32	1.2	0.090	0.016	3.6183	
960 minute summer	S32	10.001	S33	2.0	0.096	0.028	5.2143	
960 minute summer	S33	1.008	S34	27.2	0.388	0.386	2.2614	
960 minute summer	S34	1.009	S35	27.8	0.392	0.392	3.8096	
960 minute summer	S35	1.010	S37	27.9	0.394	0.420	0.8028	
960 minute summer	S36	11.000	S37	0.5	0.032	0.006	3.6632	
960 minute summer	S37	1.011	S38	30.2	0.433	0.427	6.3094	
960 minute summer	S38	1.012	S39	30.1	0.436	0.422	6.2526	
960 minute summer	S39	1.013	S57	30.1	0.447	0.475	0.5019	
960 minute summer	S56	12.011	S57	-0.2	-0.059	-0.002	0.8401	
960 minute summer	S57	1.014	S127	30.1	0.473	0.425	1.7875	
960 minute summer	S125	21.003	S127	-0.2	-0.052	-0.003	2.7767	
960 minute summer	S127	1.015	S60	30.0	0.521	0.421	1.5983	
960 minute summer	S119	22.003	S60	-0.1	-0.052	-0.002	2.4064	
960 minute summer	S60	1.016	Pond Inlet 1	29.9	0.709	0.395	1.2828	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	15.0	0.009	0.000	567.4670	
960 minute summer	Pond Outlet	1.018	S13	0.1	0.097	0.001	0.1924	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
960 minute summer	PP-S25	2.000_1	S25	0.4	0.413	0.007	0.0048	
960 minute summer	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
960 minute summer	PP-S145	4.000_2	S145	0.7	0.640	0.008	0.0054	
960 minute summer	PP-S4	1.000_2	S4	0.6	0.465	0.010	0.0064	
960 minute summer	PP-S1	4.000_1	S1	1.2	0.635	0.018	0.0093	

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Results for 1 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP-S5	495	0.518	0.018	0.9	0.3412	0.0000	OK
960 minute summer	PP-S12	510	0.510	0.010	0.3	0.1375	0.0000	OK
960 minute summer	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
960 minute summer	PP-S2	495	0.512	0.012	0.5	0.3236	0.0000	OK
960 minute summer	PP-S15	495	0.511	0.011	0.4	0.1207	0.0000	OK
960 minute summer	PP-S75	525	0.509	0.009	0.3	0.1051	0.0000	OK
960 minute summer	PP-S24	495	0.515	0.015	0.9	0.3006	0.0000	OK
960 minute summer	PP-S30	510	0.509	0.009	0.3	0.0999	0.0000	OK
960 minute summer	PP-S33	495	0.510	0.010	0.4	0.1043	0.0000	OK
960 minute summer	PP-S34	495	0.513	0.013	0.7	0.2297	0.0000	OK
960 minute summer	PP-S35	495	0.505	0.005	0.1	0.0345	0.0000	OK
960 minute summer	PP-S36	495	0.512	0.012	0.6	0.1537	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP-S5	2.000_2	S5	0.9	0.631	0.012	0.0071	
960 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
960 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
960 minute summer	PP-S2	10.000_1	S2	0.5	0.605	0.005	0.0040	
960 minute summer	PP-S15	12.000_1	S15	0.4	0.585	0.004	0.0034	
960 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
960 minute summer	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
960 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
960 minute summer	PP-S33	20.000_1	S33	0.4	0.673	0.003	0.0030	
960 minute summer	PP-S34	21.000_1	S34	0.7	0.808	0.006	0.0043	
960 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
960 minute summer	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S26	525	-0.196	0.042	0.3	0.0735	0.0000	OK
960 minute winter	S25	525	-0.197	0.047	0.3	0.1204	0.0000	OK
960 minute winter	S16	525	-0.197	0.070	2.3	0.3111	0.0000	OK
960 minute winter	S145	525	-0.201	0.114	4.4	0.4911	0.0000	OK
960 minute winter	S4	540	-0.201	0.042	0.4	0.0734	0.0000	OK
960 minute winter	S5	540	-0.202	0.082	1.0	0.1446	0.0000	OK
960 minute winter	S9	525	-0.203	0.093	0.4	0.2150	0.0000	OK
960 minute winter	S10	525	-0.203	0.118	0.3	0.2090	0.0000	OK
960 minute winter	S11	525	-0.203	0.123	1.4	0.2178	0.0000	OK
960 minute winter	S12	525	-0.203	0.132	1.6	0.2335	0.0000	OK
960 minute winter	S1	525	-0.199	0.065	1.4	0.1526	0.0000	OK
960 minute winter	S3	525	-0.201	0.106	2.3	0.3375	0.0000	OK
960 minute winter	S2	525	-0.203	0.133	2.6	0.2357	0.0000	OK
960 minute winter	S14	525	-0.203	0.106	0.1	0.1874	0.0000	OK
960 minute winter	S15	525	-0.203	0.143	5.5	0.6438	0.0000	OK
960 minute winter	S75	525	-0.205	0.157	9.8	0.4007	0.0000	OK
960 minute winter	S87	540	-0.206	0.080	1.0	0.2602	0.0000	OK
960 minute winter	S88	540	-0.206	0.102	2.0	0.3320	0.0000	OK
960 minute winter	S89	540	-0.207	0.123	2.9	0.3991	0.0000	OK
960 minute winter	S90	540	-0.208	0.144	3.8	0.4598	0.0000	OK
960 minute winter	S92	540	-0.209	0.170	14.0	0.4337	0.0000	OK
960 minute winter	S81	540	-0.212	0.090	1.0	0.2894	0.0000	OK
960 minute winter	S82	540	-0.213	0.111	2.0	0.3616	0.0000	OK
960 minute winter	S83	540	-0.213	0.132	2.9	0.4257	0.0000	OK
960 minute winter	S84	540	-0.214	0.153	3.8	0.4861	0.0000	OK
960 minute winter	S86	540	-0.215	0.178	17.5	0.4542	0.0000	OK
960 minute winter	S76	540	-0.221	0.096	1.0	0.3081	0.0000	OK
960 minute winter	S77	540	-0.221	0.118	2.0	0.3803	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	S26	1.000	S16	0.3	0.047	0.004	0.6675	
960 minute winter	S25	2.000	S16	0.3	0.040	0.004	0.5679	
960 minute winter	S16	1.001	S145	2.2	0.129	0.030	2.2363	
960 minute winter	S145	1.002	S75	4.3	0.126	0.060	3.8308	
960 minute winter	S4	3.000	S5	0.4	0.079	0.006	1.1127	
960 minute winter	S5	3.001	S11	1.0	0.092	0.014	2.2674	
960 minute winter	S9	4.000	S10	0.3	0.089	0.005	1.4480	
960 minute winter	S10	4.001	S11	0.4	0.076	0.005	0.2973	
960 minute winter	S11	3.002	S12	1.4	0.095	0.020	0.6708	
960 minute winter	S12	3.003	S15	1.7	0.052	0.024	0.9539	
960 minute winter	S1	5.000	S3	1.4	0.107	0.020	1.8017	
960 minute winter	S3	5.001	S2	2.3	0.112	0.032	1.9573	
960 minute winter	S2	5.002	S15	2.6	0.098	0.038	0.8901	
960 minute winter	S14	6.000	S15	-0.1	0.008	-0.002	2.6866	
960 minute winter	S15	3.004	S75	5.5	0.129	0.077	1.4520	
960 minute winter	S75	1.003	S92	9.8	0.191	0.138	1.7576	
960 minute winter	S87	7.000	S88	1.0	0.097	0.013	0.9959	
960 minute winter	S88	7.001	S89	1.9	0.114	0.026	1.3445	
960 minute winter	S89	7.002	S90	2.8	0.127	0.039	1.7128	
960 minute winter	S90	7.003	S92	3.7	0.106	0.052	2.6941	
960 minute winter	S92	1.005	S86	14.0	0.247	0.197	1.5790	
960 minute winter	S81	8.000	S82	1.0	0.091	0.013	1.1466	
960 minute winter	S82	8.001	S83	1.9	0.107	0.027	1.4998	
960 minute winter	S83	8.002	S84	2.8	0.121	0.039	1.8708	
960 minute winter	S84	8.003	S86	3.7	0.107	0.052	2.7444	
960 minute winter	S86	1.006	S30	17.5	0.294	0.247	1.6651	
960 minute winter	S76	9.000	S77	1.0	0.088	0.013	1.2487	
960 minute winter	S77	9.001	S78	1.9	0.107	0.026	1.6185	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	540	-0.222	0.139	2.9	0.4475	0.0000	OK
960 minute winter	S79	540	-0.222	0.160	3.8	0.5045	0.0000	OK
960 minute winter	S30	540	-0.223	0.184	21.3	0.4685	0.0000	OK
960 minute winter	S31	525	-0.235	0.101	1.0	0.3330	0.0000	OK
960 minute winter	S32	540	-0.236	0.143	1.9	0.4426	0.0000	OK
960 minute winter	S33	540	-0.236	0.187	23.4	0.4761	0.0000	OK
960 minute winter	S34	540	-0.251	0.188	23.9	0.3313	0.0000	OK
960 minute winter	S35	540	-0.275	0.191	24.0	0.3377	0.0000	OK
960 minute winter	S36	540	-0.283	0.159	0.4	0.2808	0.0000	OK
960 minute winter	S37	540	-0.283	0.188	25.9	0.9236	0.0000	OK
960 minute winter	S38	540	-0.329	0.187	25.9	0.3307	0.0000	OK
960 minute winter	S39	540	-0.375	0.187	25.9	0.3308	0.0000	OK
960 minute winter	S56	540	-0.384	0.175	0.1	0.3095	0.0000	OK
960 minute winter	S57	540	-0.384	0.181	25.9	0.4611	0.0000	OK
960 minute winter	S125	555	-0.406	0.149	0.2	0.2634	0.0000	OK
960 minute winter	S127	555	-0.406	0.173	25.9	0.4405	0.0000	OK
960 minute winter	S119	555	-0.435	0.134	0.4	0.2372	0.0000	OK
960 minute winter	S60	555	-0.435	0.158	25.9	0.4028	0.0000	OK
960 minute winter	Pond Inlet 1	2400	-0.482	0.128	25.9	0.2253	0.0000	OK
960 minute winter	Pond Outlet	2385	-0.482	0.128	13.0	0.1442	0.0000	OK
960 minute winter	S13	1755	-0.482	0.156	0.1	0.5389	0.0000	OK
960 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute winter	PP-S26	555	0.514	0.014	0.3	0.2027	0.0000	OK
960 minute winter	PP-S25	510	0.512	0.012	0.3	0.1335	0.0000	OK
960 minute winter	PP-S16	510	0.514	0.014	0.5	0.1985	0.0000	OK
960 minute winter	PP-S145	495	0.513	0.013	0.5	0.1714	0.0000	OK
960 minute winter	PP-S4	540	0.514	0.014	0.4	0.1852	0.0000	OK
960 minute winter	PP-S1	525	0.520	0.020	1.1	3.4822	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	S78	9.002	S79	2.8	0.115	0.040	1.9962	
960 minute winter	S79	9.003	S30	3.7	0.109	0.051	2.7015	
960 minute winter	S30	1.007	S33	21.3	0.347	0.300	1.9531	
960 minute winter	S31	10.000	S32	1.0	0.090	0.014	3.0099	
960 minute winter	S32	10.001	S33	1.8	0.083	0.026	4.5608	
960 minute winter	S33	1.008	S34	23.4	0.375	0.331	2.0126	
960 minute winter	S34	1.009	S35	23.9	0.377	0.336	3.3996	
960 minute winter	S35	1.010	S37	24.0	0.379	0.361	0.7178	
960 minute winter	S36	11.000	S37	0.4	0.022	0.006	3.2415	
960 minute winter	S37	1.011	S38	25.9	0.415	0.367	5.6513	
960 minute winter	S38	1.012	S39	25.9	0.416	0.363	5.6378	
960 minute winter	S39	1.013	S57	25.9	0.425	0.409	0.4550	
960 minute winter	S56	12.011	S57	-0.1	-0.022	-0.002	0.7606	
960 minute winter	S57	1.014	S127	25.9	0.448	0.366	1.6258	
960 minute winter	S125	21.003	S127	-0.2	-0.025	-0.002	2.5143	
960 minute winter	S127	1.015	S60	25.9	0.491	0.364	1.4657	
960 minute winter	S119	22.003	S60	-0.4	-0.073	-0.005	2.2039	
960 minute winter	S60	1.016	Pond Inlet 1	25.9	0.666	0.342	1.1978	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	13.0	0.011	0.000	644.9524	
960 minute winter	Pond Outlet	1.018	S13	0.1	0.112	0.001	0.2219	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
960 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
960 minute winter	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
960 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
960 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
960 minute winter	PP-S1	4.000_1	S1	1.0	0.607	0.015	0.0083	

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Results for 1 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP-S5	525	0.515	0.015	0.6	0.2410	0.0000	OK
960 minute winter	PP-S12	480	0.508	0.008	0.2	0.0962	0.0000	OK
960 minute winter	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
960 minute winter	PP-S2	555	0.510	0.010	0.3	0.2120	0.0000	OK
960 minute winter	PP-S15	510	0.510	0.010	0.3	0.0947	0.0000	OK
960 minute winter	PP-S75	510	0.509	0.009	0.3	0.1051	0.0000	OK
960 minute winter	PP-S24	510	0.513	0.013	0.6	0.2082	0.0000	OK
960 minute winter	PP-S30	450	0.507	0.007	0.2	0.0702	0.0000	OK
960 minute winter	PP-S33	495	0.509	0.009	0.3	0.0814	0.0000	OK
960 minute winter	PP-S34	495	0.511	0.011	0.5	0.1713	0.0000	OK
960 minute winter	PP-S35	465	0.505	0.005	0.1	0.0345	0.0000	OK
960 minute winter	PP-S36	480	0.510	0.010	0.4	0.1092	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	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
960 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
960 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
960 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
960 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
960 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
960 minute winter	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
960 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
960 minute winter	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
960 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
960 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
960 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S26	780	-0.203	0.035	0.3	0.0618	0.0000	OK
1440 minute summer	S25	780	-0.203	0.041	0.3	0.1037	0.0000	OK
1440 minute summer	S16	780	-0.204	0.063	2.2	0.2815	0.0000	OK
1440 minute summer	S145	780	-0.208	0.107	4.2	0.4587	0.0000	OK
1440 minute summer	S4	780	-0.209	0.034	0.4	0.0603	0.0000	OK
1440 minute summer	S5	780	-0.210	0.074	0.9	0.1314	0.0000	OK
1440 minute summer	S9	780	-0.210	0.086	0.3	0.1978	0.0000	OK
1440 minute summer	S10	780	-0.210	0.111	0.3	0.1958	0.0000	OK
1440 minute summer	S11	780	-0.210	0.116	1.2	0.2046	0.0000	OK
1440 minute summer	S12	780	-0.210	0.125	1.5	0.2203	0.0000	OK
1440 minute summer	S1	780	-0.206	0.058	1.3	0.1354	0.0000	OK
1440 minute summer	S3	780	-0.209	0.098	2.1	0.3135	0.0000	OK
1440 minute summer	S2	780	-0.210	0.126	2.3	0.2225	0.0000	OK
1440 minute summer	S14	780	-0.210	0.099	0.1	0.1741	0.0000	OK
1440 minute summer	S15	780	-0.210	0.136	5.1	0.6100	0.0000	OK
1440 minute summer	S75	780	-0.212	0.150	9.1	0.3813	0.0000	OK
1440 minute summer	S87	780	-0.214	0.072	0.9	0.2348	0.0000	OK
1440 minute summer	S88	780	-0.214	0.094	1.9	0.3064	0.0000	OK
1440 minute summer	S89	780	-0.215	0.115	2.8	0.3735	0.0000	OK
1440 minute summer	S90	780	-0.216	0.136	3.6	0.4345	0.0000	OK
1440 minute summer	S92	780	-0.216	0.163	13.0	0.4136	0.0000	OK
1440 minute summer	S81	780	-0.220	0.082	0.9	0.2634	0.0000	OK
1440 minute summer	S82	780	-0.221	0.103	1.8	0.3354	0.0000	OK
1440 minute summer	S83	780	-0.221	0.124	2.8	0.3995	0.0000	OK
1440 minute summer	S84	780	-0.222	0.145	3.6	0.4604	0.0000	OK
1440 minute summer	S86	780	-0.223	0.170	16.3	0.4337	0.0000	OK
1440 minute summer	S76	780	-0.229	0.088	0.9	0.2818	0.0000	OK
1440 minute summer	S77	780	-0.230	0.109	1.8	0.3538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S26	1.000	S16	0.3	0.046	0.004	0.5585	
1440 minute summer	S25	2.000	S16	0.3	0.041	0.004	0.4784	
1440 minute summer	S16	1.001	S145	2.1	0.128	0.030	1.9987	
1440 minute summer	S145	1.002	S75	4.0	0.128	0.057	3.5389	
1440 minute summer	S4	3.000	S5	0.4	0.074	0.005	0.9327	
1440 minute summer	S5	3.001	S11	0.9	0.103	0.012	2.0403	
1440 minute summer	S9	4.000	S10	0.3	0.063	0.004	1.3059	
1440 minute summer	S10	4.001	S11	0.4	0.040	0.005	0.2717	
1440 minute summer	S11	3.002	S12	1.3	0.086	0.018	0.6164	
1440 minute summer	S12	3.003	S15	1.5	0.057	0.022	0.8823	
1440 minute summer	S1	5.000	S3	1.2	0.107	0.017	1.5860	
1440 minute summer	S3	5.001	S2	2.0	0.104	0.029	1.7873	
1440 minute summer	S2	5.002	S15	2.3	0.086	0.034	0.8236	
1440 minute summer	S14	6.000	S15	-0.1	0.007	-0.002	2.4637	
1440 minute summer	S15	3.004	S75	5.1	0.129	0.071	1.3521	
1440 minute summer	S75	1.003	S92	9.2	0.190	0.129	1.6454	
1440 minute summer	S87	7.000	S88	0.9	0.092	0.012	0.8761	
1440 minute summer	S88	7.001	S89	1.8	0.114	0.025	1.2134	
1440 minute summer	S89	7.002	S90	2.7	0.112	0.037	1.5732	
1440 minute summer	S90	7.003	S92	3.4	0.108	0.049	2.5109	
1440 minute summer	S92	1.005	S86	13.0	0.244	0.183	1.4825	
1440 minute summer	S81	8.000	S82	0.8	0.087	0.012	1.0185	
1440 minute summer	S82	8.001	S83	1.8	0.104	0.025	1.3620	
1440 minute summer	S83	8.002	S84	2.7	0.103	0.037	1.7255	
1440 minute summer	S84	8.003	S86	3.4	0.111	0.048	2.5647	
1440 minute summer	S86	1.006	S30	16.3	0.290	0.230	1.5659	
1440 minute summer	S76	9.000	S77	0.8	0.087	0.012	1.1151	
1440 minute summer	S77	9.001	S78	1.7	0.099	0.024	1.4759	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S78	780	-0.230	0.131	2.7	0.4211	0.0000	OK
1440 minute summer	S79	780	-0.231	0.151	3.5	0.4786	0.0000	OK
1440 minute summer	S30	780	-0.231	0.176	19.8	0.4477	0.0000	OK
1440 minute summer	S31	780	-0.244	0.092	1.0	0.3057	0.0000	OK
1440 minute summer	S32	780	-0.244	0.135	1.8	0.4171	0.0000	OK
1440 minute summer	S33	780	-0.244	0.179	21.6	0.4551	0.0000	OK
1440 minute summer	S34	780	-0.260	0.179	22.1	0.3167	0.0000	OK
1440 minute summer	S35	780	-0.283	0.183	22.2	0.3233	0.0000	OK
1440 minute summer	S36	780	-0.291	0.151	0.4	0.2666	0.0000	OK
1440 minute summer	S37	780	-0.291	0.180	23.9	0.8841	0.0000	OK
1440 minute summer	S38	780	-0.337	0.179	24.0	0.3168	0.0000	OK
1440 minute summer	S39	780	-0.382	0.180	24.0	0.3176	0.0000	OK
1440 minute summer	S56	780	-0.391	0.168	0.0	0.2969	0.0000	OK
1440 minute summer	S57	780	-0.391	0.174	24.0	0.4429	0.0000	OK
1440 minute summer	S125	780	-0.413	0.142	0.1	0.2515	0.0000	OK
1440 minute summer	S127	780	-0.413	0.166	24.0	0.4233	0.0000	OK
1440 minute summer	S119	780	-0.441	0.128	0.2	0.2256	0.0000	OK
1440 minute summer	S60	780	-0.441	0.152	23.9	0.3860	0.0000	OK
1440 minute summer	Pond Inlet 1	2670	-0.489	0.121	23.9	0.2138	0.0000	OK
1440 minute summer	Pond Outlet	2850	-0.489	0.121	12.0	0.1368	0.0000	OK
1440 minute summer	S13	2700	-0.489	0.149	0.0	0.5164	0.0000	OK
1440 minute summer	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	PP-S26	750	0.514	0.014	0.3	0.2013	0.0000	OK
1440 minute summer	PP-S25	750	0.512	0.012	0.3	0.1334	0.0000	OK
1440 minute summer	PP-S16	750	0.514	0.014	0.5	0.1985	0.0000	OK
1440 minute summer	PP-S145	750	0.513	0.013	0.5	0.1714	0.0000	OK
1440 minute summer	PP-S4	750	0.514	0.014	0.4	0.1850	0.0000	OK
1440 minute summer	PP-S1	780	0.519	0.019	1.0	3.1334	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S78	9.002	S79	2.6	0.103	0.038	1.8471	
1440 minute summer	S79	9.003	S30	3.4	0.113	0.048	2.5292	
1440 minute summer	S30	1.007	S33	19.8	0.342	0.278	1.8382	
1440 minute summer	S31	10.000	S32	0.9	0.084	0.013	2.7317	
1440 minute summer	S32	10.001	S33	1.6	0.097	0.022	4.2551	
1440 minute summer	S33	1.008	S34	21.6	0.368	0.307	1.8948	
1440 minute summer	S34	1.009	S35	22.1	0.370	0.311	3.2044	
1440 minute summer	S35	1.010	S37	22.2	0.371	0.334	0.6772	
1440 minute summer	S36	11.000	S37	0.4	-0.043	0.005	3.0407	
1440 minute summer	S37	1.011	S38	24.0	0.406	0.339	5.3340	
1440 minute summer	S38	1.012	S39	24.0	0.407	0.335	5.3324	
1440 minute summer	S39	1.013	S57	24.0	0.415	0.378	0.4310	
1440 minute summer	S56	12.011	S57	0.0	-0.043	-0.001	0.7198	
1440 minute summer	S57	1.014	S127	24.0	0.437	0.339	1.5407	
1440 minute summer	S125	21.003	S127	-0.1	-0.013	-0.001	2.3719	
1440 minute summer	S127	1.015	S60	23.9	0.479	0.336	1.3860	
1440 minute summer	S119	22.003	S60	-0.2	-0.044	-0.003	2.0678	
1440 minute summer	S60	1.016	Pond Inlet 1	23.9	0.651	0.316	1.1124	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	12.0	0.008	0.000	610.5704	
1440 minute summer	Pond Outlet	1.018	S13	0.0	0.098	-0.001	0.2088	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0098	
1440 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
1440 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
1440 minute summer	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
1440 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
1440 minute summer	PP-S1	4.000_1	S1	0.9	0.586	0.014	0.0077	

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Results for 1 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP-S5	750	0.515	0.015	0.6	0.2409	0.0000	OK
1440 minute summer	PP-S12	780	0.508	0.008	0.2	0.0962	0.0000	OK
1440 minute summer	PP-S14	30	0.500	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	PP-S2	780	0.510	0.010	0.3	0.2120	0.0000	OK
1440 minute summer	PP-S15	750	0.510	0.010	0.3	0.0947	0.0000	OK
1440 minute summer	PP-S75	750	0.508	0.008	0.2	0.0739	0.0000	OK
1440 minute summer	PP-S24	750	0.513	0.013	0.6	0.2082	0.0000	OK
1440 minute summer	PP-S30	750	0.507	0.007	0.2	0.0702	0.0000	OK
1440 minute summer	PP-S33	750	0.509	0.009	0.3	0.0814	0.0000	OK
1440 minute summer	PP-S34	750	0.511	0.011	0.5	0.1713	0.0000	OK
1440 minute summer	PP-S35	750	0.505	0.005	0.1	0.0345	0.0000	OK
1440 minute summer	PP-S36	750	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
1440 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
1440 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
1440 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
1440 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
1440 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
1440 minute summer	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
1440 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
1440 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
1440 minute summer	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
1440 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
1440 minute summer	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S26	780	-0.217	0.021	0.2	0.0379	0.0000	OK
1440 minute winter	S25	780	-0.217	0.027	0.2	0.0685	0.0000	OK
1440 minute winter	S16	780	-0.218	0.049	1.6	0.2182	0.0000	OK
1440 minute winter	S145	780	-0.225	0.090	3.2	0.3863	0.0000	OK
1440 minute winter	S4	750	-0.222	0.021	0.3	0.0373	0.0000	OK
1440 minute winter	S5	780	-0.227	0.057	0.8	0.1009	0.0000	OK
1440 minute winter	S9	780	-0.228	0.068	0.3	0.1573	0.0000	OK
1440 minute winter	S10	780	-0.228	0.093	0.3	0.1648	0.0000	OK
1440 minute winter	S11	780	-0.228	0.098	1.0	0.1736	0.0000	OK
1440 minute winter	S12	780	-0.228	0.107	1.2	0.1893	0.0000	OK
1440 minute winter	S1	780	-0.221	0.043	1.1	0.1013	0.0000	OK
1440 minute winter	S3	780	-0.226	0.081	1.8	0.2593	0.0000	OK
1440 minute winter	S2	780	-0.228	0.108	2.0	0.1916	0.0000	OK
1440 minute winter	S14	780	-0.228	0.081	0.1	0.1431	0.0000	OK
1440 minute winter	S15	780	-0.228	0.118	4.3	0.5311	0.0000	OK
1440 minute winter	S75	780	-0.230	0.132	7.5	0.3363	0.0000	OK
1440 minute winter	S87	780	-0.230	0.056	0.7	0.1807	0.0000	OK
1440 minute winter	S88	780	-0.231	0.077	1.4	0.2507	0.0000	OK
1440 minute winter	S89	780	-0.232	0.098	2.1	0.3170	0.0000	OK
1440 minute winter	S90	780	-0.233	0.119	2.8	0.3782	0.0000	OK
1440 minute winter	S92	780	-0.234	0.145	10.7	0.3682	0.0000	OK
1440 minute winter	S81	780	-0.238	0.064	0.7	0.2077	0.0000	OK
1440 minute winter	S82	780	-0.238	0.086	1.4	0.2787	0.0000	OK
1440 minute winter	S83	780	-0.239	0.106	2.1	0.3425	0.0000	OK
1440 minute winter	S84	780	-0.240	0.127	2.8	0.4038	0.0000	OK
1440 minute winter	S86	780	-0.241	0.152	13.5	0.3881	0.0000	OK
1440 minute winter	S76	780	-0.247	0.070	0.7	0.2256	0.0000	OK
1440 minute winter	S77	780	-0.247	0.092	1.4	0.2969	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S26	1.000	S16	0.2	0.046	0.003	0.3492	
1440 minute winter	S25	2.000	S16	0.2	0.041	0.003	0.3044	
1440 minute winter	S16	1.001	S145	1.6	0.124	0.022	1.5019	
1440 minute winter	S145	1.002	S75	3.2	0.121	0.045	2.8961	
1440 minute winter	S4	3.000	S5	0.3	0.074	0.004	0.5901	
1440 minute winter	S5	3.001	S11	0.8	0.103	0.011	1.5365	
1440 minute winter	S9	4.000	S10	0.3	0.061	0.004	0.9871	
1440 minute winter	S10	4.001	S11	0.3	0.037	0.004	0.2139	
1440 minute winter	S11	3.002	S12	1.0	0.088	0.015	0.4931	
1440 minute winter	S12	3.003	S15	1.2	0.057	0.017	0.7200	
1440 minute winter	S1	5.000	S3	1.1	0.104	0.015	1.1531	
1440 minute winter	S3	5.001	S2	1.8	0.103	0.025	1.4120	
1440 minute winter	S2	5.002	S15	2.0	0.086	0.029	0.6730	
1440 minute winter	S14	6.000	S15	-0.1	-0.007	-0.001	1.9635	
1440 minute winter	S15	3.004	S75	4.2	0.126	0.058	1.1259	
1440 minute winter	S75	1.003	S92	7.5	0.185	0.106	1.3936	
1440 minute winter	S87	7.000	S88	0.7	0.095	0.010	0.6327	
1440 minute winter	S88	7.001	S89	1.4	0.114	0.019	0.9389	
1440 minute winter	S89	7.002	S90	2.1	0.110	0.029	1.2737	
1440 minute winter	S90	7.003	S92	2.8	0.105	0.039	2.1088	
1440 minute winter	S92	1.005	S86	10.7	0.236	0.151	1.2694	
1440 minute winter	S81	8.000	S82	0.7	0.088	0.010	0.7570	
1440 minute winter	S82	8.001	S83	1.4	0.105	0.020	1.0738	
1440 minute winter	S83	8.002	S84	2.1	0.103	0.029	1.4157	
1440 minute winter	S84	8.003	S86	2.8	0.092	0.039	2.1747	
1440 minute winter	S86	1.006	S30	13.5	0.278	0.190	1.3499	
1440 minute winter	S76	9.000	S77	0.7	0.087	0.010	0.8434	
1440 minute winter	S77	9.001	S78	1.4	0.103	0.019	1.1798	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S78	780	-0.248	0.113	2.1	0.3640	0.0000	OK
1440 minute winter	S79	780	-0.248	0.134	2.8	0.4221	0.0000	OK
1440 minute winter	S30	780	-0.249	0.158	16.5	0.4020	0.0000	OK
1440 minute winter	S31	780	-0.262	0.074	0.8	0.2466	0.0000	OK
1440 minute winter	S32	780	-0.262	0.117	1.5	0.3617	0.0000	OK
1440 minute winter	S33	780	-0.262	0.161	17.9	0.4094	0.0000	OK
1440 minute winter	S34	780	-0.278	0.161	18.3	0.2852	0.0000	OK
1440 minute winter	S35	780	-0.301	0.165	18.4	0.2920	0.0000	OK
1440 minute winter	S36	780	-0.308	0.134	0.3	0.2359	0.0000	OK
1440 minute winter	S37	780	-0.309	0.162	19.9	0.7988	0.0000	OK
1440 minute winter	S38	780	-0.354	0.162	19.9	0.2865	0.0000	OK
1440 minute winter	S39	810	-0.398	0.164	19.9	0.2893	0.0000	OK
1440 minute winter	S56	810	-0.406	0.153	0.1	0.2700	0.0000	OK
1440 minute winter	S57	810	-0.406	0.159	19.9	0.4041	0.0000	OK
1440 minute winter	S125	810	-0.426	0.129	0.0	0.2275	0.0000	OK
1440 minute winter	S127	810	-0.426	0.153	19.9	0.3887	0.0000	OK
1440 minute winter	S119	810	-0.452	0.117	0.0	0.2071	0.0000	OK
1440 minute winter	S60	810	-0.452	0.141	19.9	0.3593	0.0000	OK
1440 minute winter	Pond Inlet 1	2370	-0.475	0.135	19.8	0.2387	0.0000	OK
1440 minute winter	Pond Outlet	2760	-0.475	0.135	9.9	0.1528	0.0000	OK
1440 minute winter	S13	2670	-0.475	0.163	0.0	0.5652	0.0000	OK
1440 minute winter	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	PP-S26	780	0.512	0.012	0.2	0.1403	0.0000	OK
1440 minute winter	PP-S25	750	0.510	0.010	0.2	0.0943	0.0000	OK
1440 minute winter	PP-S16	690	0.511	0.011	0.3	0.1261	0.0000	OK
1440 minute winter	PP-S145	750	0.511	0.011	0.4	0.1411	0.0000	OK
1440 minute winter	PP-S4	750	0.512	0.012	0.3	0.1429	0.0000	OK
1440 minute winter	PP-S1	780	0.517	0.017	0.8	2.7188	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S78	9.002	S79	2.1	0.102	0.030	1.5313	
1440 minute winter	S79	9.003	S30	2.8	0.084	0.039	2.1590	
1440 minute winter	S30	1.007	S33	16.5	0.328	0.231	1.5914	
1440 minute winter	S31	10.000	S32	0.8	0.087	0.011	2.1517	
1440 minute winter	S32	10.001	S33	1.4	0.059	0.020	3.6064	
1440 minute winter	S33	1.008	S34	17.9	0.352	0.254	1.6440	
1440 minute winter	S34	1.009	S35	18.3	0.353	0.258	2.7886	
1440 minute winter	S35	1.010	S37	18.4	0.353	0.277	0.5907	
1440 minute winter	S36	11.000	S37	0.3	0.012	0.005	2.6149	
1440 minute winter	S37	1.011	S38	19.9	0.387	0.282	4.6552	
1440 minute winter	S38	1.012	S39	19.9	0.385	0.278	4.6792	
1440 minute winter	S39	1.013	S57	19.9	0.390	0.314	0.3804	
1440 minute winter	S56	12.011	S57	-0.1	-0.013	-0.001	0.6342	
1440 minute winter	S57	1.014	S127	19.9	0.409	0.281	1.3661	
1440 minute winter	S125	21.003	S127	0.0	-0.018	-0.001	2.0896	
1440 minute winter	S127	1.015	S60	19.9	0.444	0.279	1.2441	
1440 minute winter	S119	22.003	S60	0.0	-0.005	-0.001	1.8560	
1440 minute winter	S60	1.016	Pond Inlet 1	19.8	0.604	0.262	1.0907	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	9.9	0.008	0.000	685.1651	
1440 minute winter	Pond Outlet	1.018	S13	0.0	0.062	0.001	0.2372	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
1440 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
1440 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
1440 minute winter	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
1440 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
1440 minute winter	PP-S1	4.000_1	S1	0.8	0.559	0.012	0.0069	

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Results for 1 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	PP-S5	750	0.513	0.013	0.5	0.2037	0.0000	OK
1440 minute winter	PP-S12	780	0.508	0.008	0.2	0.0962	0.0000	OK
1440 minute winter	PP-S14	30	0.500	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	PP-S2	750	0.508	0.008	0.2	0.1482	0.0000	OK
1440 minute winter	PP-S15	720	0.508	0.008	0.2	0.0668	0.0000	OK
1440 minute winter	PP-S75	720	0.508	0.008	0.2	0.0739	0.0000	OK
1440 minute winter	PP-S24	750	0.512	0.012	0.5	0.1774	0.0000	OK
1440 minute winter	PP-S30	750	0.507	0.007	0.2	0.0702	0.0000	OK
1440 minute winter	PP-S33	660	0.507	0.007	0.2	0.0576	0.0000	OK
1440 minute winter	PP-S34	750	0.510	0.010	0.4	0.1423	0.0000	OK
1440 minute winter	PP-S35	750	0.505	0.005	0.1	0.0345	0.0000	OK
1440 minute winter	PP-S36	690	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
1440 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
1440 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
1440 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
1440 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
1440 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
1440 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
1440 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
1440 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
1440 minute winter	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
1440 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
1440 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 1 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	S26	1140	-0.220	0.018	0.2	0.0318	0.0000	OK
2160 minute summer	S25	1140	-0.221	0.023	0.2	0.0588	0.0000	OK
2160 minute summer	S16	1140	-0.222	0.045	1.5	0.1994	0.0000	OK
2160 minute summer	S145	1140	-0.231	0.084	3.1	0.3632	0.0000	OK
2160 minute summer	S4	1140	-0.222	0.021	0.3	0.0373	0.0000	OK
2160 minute summer	S5	1140	-0.233	0.051	0.7	0.0908	0.0000	OK
2160 minute summer	S9	1140	-0.234	0.062	0.2	0.1439	0.0000	OK
2160 minute summer	S10	1140	-0.234	0.087	0.2	0.1544	0.0000	OK
2160 minute summer	S11	1140	-0.234	0.092	0.9	0.1633	0.0000	OK
2160 minute summer	S12	1140	-0.234	0.101	1.1	0.1790	0.0000	OK
2160 minute summer	S1	1140	-0.226	0.038	1.0	0.0894	0.0000	OK
2160 minute summer	S3	1140	-0.232	0.075	1.6	0.2409	0.0000	OK
2160 minute summer	S2	1140	-0.233	0.103	1.8	0.1813	0.0000	OK
2160 minute summer	S14	1140	-0.234	0.075	0.1	0.1328	0.0000	OK
2160 minute summer	S15	1140	-0.234	0.112	3.8	0.5048	0.0000	OK
2160 minute summer	S75	1140	-0.236	0.126	7.0	0.3215	0.0000	OK
2160 minute summer	S87	1140	-0.235	0.051	0.7	0.1646	0.0000	OK
2160 minute summer	S88	1140	-0.236	0.072	1.4	0.2336	0.0000	OK
2160 minute summer	S89	1140	-0.238	0.092	2.1	0.2992	0.0000	OK
2160 minute summer	S90	1140	-0.239	0.113	2.7	0.3602	0.0000	OK
2160 minute summer	S92	1140	-0.240	0.139	10.0	0.3535	0.0000	OK
2160 minute summer	S81	1140	-0.243	0.059	0.7	0.1906	0.0000	OK
2160 minute summer	S82	1140	-0.244	0.080	1.4	0.2611	0.0000	OK
2160 minute summer	S83	1140	-0.244	0.101	2.1	0.3244	0.0000	OK
2160 minute summer	S84	1140	-0.245	0.122	2.7	0.3858	0.0000	OK
2160 minute summer	S86	1140	-0.246	0.147	12.7	0.3734	0.0000	OK
2160 minute summer	S76	1140	-0.252	0.065	0.7	0.2081	0.0000	OK
2160 minute summer	S77	1140	-0.253	0.086	1.4	0.2789	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S26	1.000	S16	0.2	0.045	0.003	0.2971	
2160 minute summer	S25	2.000	S16	0.2	0.038	0.003	0.2600	
2160 minute summer	S16	1.001	S145	1.5	0.127	0.021	1.3587	
2160 minute summer	S145	1.002	S75	3.0	0.124	0.043	2.6949	
2160 minute summer	S4	3.000	S5	0.3	0.071	0.004	0.5207	
2160 minute summer	S5	3.001	S11	0.7	0.092	0.009	1.3789	
2160 minute summer	S9	4.000	S10	0.2	0.063	0.003	0.8869	
2160 minute summer	S10	4.001	S11	0.3	0.038	0.004	0.1955	
2160 minute summer	S11	3.002	S12	1.0	0.092	0.014	0.4537	
2160 minute summer	S12	3.003	S15	1.1	0.061	0.016	0.6677	
2160 minute summer	S1	5.000	S3	0.9	0.105	0.013	1.0142	
2160 minute summer	S3	5.001	S2	1.6	0.107	0.023	1.2915	
2160 minute summer	S2	5.002	S15	1.8	0.087	0.026	0.6245	
2160 minute summer	S14	6.000	S15	-0.1	0.005	-0.001	1.8038	
2160 minute summer	S15	3.004	S75	3.8	0.123	0.053	1.0531	
2160 minute summer	S75	1.003	S92	6.9	0.183	0.097	1.3130	
2160 minute summer	S87	7.000	S88	0.7	0.092	0.010	0.5631	
2160 minute summer	S88	7.001	S89	1.4	0.109	0.019	0.8576	
2160 minute summer	S89	7.002	S90	2.0	0.111	0.028	1.1823	
2160 minute summer	S90	7.003	S92	2.7	0.098	0.038	1.9824	
2160 minute summer	S92	1.005	S86	10.0	0.231	0.140	1.2017	
2160 minute summer	S81	8.000	S82	0.7	0.086	0.010	0.6798	
2160 minute summer	S82	8.001	S83	1.4	0.105	0.019	0.9867	
2160 minute summer	S83	8.002	S84	2.0	0.103	0.028	1.3205	
2160 minute summer	S84	8.003	S86	2.7	0.084	0.038	2.0525	
2160 minute summer	S86	1.006	S30	12.6	0.274	0.178	1.2816	
2160 minute summer	S76	9.000	S77	0.7	0.082	0.010	0.7628	
2160 minute summer	S77	9.001	S78	1.4	0.101	0.019	1.0892	

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Results for 1 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	S78	1140	-0.253	0.108	2.1	0.3458	0.0000	OK
2160 minute summer	S79	1140	-0.254	0.128	2.7	0.4040	0.0000	OK
2160 minute summer	S30	1140	-0.255	0.152	15.5	0.3873	0.0000	OK
2160 minute summer	S31	1140	-0.267	0.069	0.7	0.2274	0.0000	OK
2160 minute summer	S32	1140	-0.268	0.111	1.3	0.3436	0.0000	OK
2160 minute summer	S33	1140	-0.268	0.155	16.8	0.3944	0.0000	OK
2160 minute summer	S34	1140	-0.283	0.156	17.2	0.2748	0.0000	OK
2160 minute summer	S35	1140	-0.307	0.159	17.2	0.2815	0.0000	OK
2160 minute summer	S36	1140	-0.314	0.128	0.3	0.2256	0.0000	OK
2160 minute summer	S37	1140	-0.314	0.157	18.7	0.7700	0.0000	OK
2160 minute summer	S38	1140	-0.360	0.156	18.6	0.2757	0.0000	OK
2160 minute summer	S39	1140	-0.404	0.158	18.5	0.2784	0.0000	OK
2160 minute summer	S56	1140	-0.412	0.147	0.0	0.2592	0.0000	OK
2160 minute summer	S57	1140	-0.412	0.153	18.5	0.3886	0.0000	OK
2160 minute summer	S125	1140	-0.432	0.123	0.1	0.2167	0.0000	OK
2160 minute summer	S127	1140	-0.432	0.147	18.5	0.3732	0.0000	OK
2160 minute summer	S119	1200	-0.458	0.111	0.1	0.1970	0.0000	OK
2160 minute summer	S60	1200	-0.458	0.135	18.4	0.3448	0.0000	OK
2160 minute summer	Pond Inlet 1	3600	-0.478	0.132	18.3	0.2336	0.0000	OK
2160 minute summer	Pond Outlet	3540	-0.478	0.132	9.2	0.1495	0.0000	OK
2160 minute summer	S13	3240	-0.478	0.160	0.0	0.5552	0.0000	OK
2160 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S26	1200	0.512	0.012	0.2	0.1403	0.0000	OK
2160 minute summer	PP-S25	1140	0.510	0.010	0.2	0.0943	0.0000	OK
2160 minute summer	PP-S16	1140	0.511	0.011	0.3	0.1261	0.0000	OK
2160 minute summer	PP-S145	1140	0.511	0.011	0.4	0.1411	0.0000	OK
2160 minute summer	PP-S4	1140	0.512	0.012	0.3	0.1429	0.0000	OK
2160 minute summer	PP-S1	1140	0.516	0.016	0.7	2.3558	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S78	9.002	S79	2.0	0.103	0.029	1.4329	
2160 minute summer	S79	9.003	S30	2.7	0.076	0.037	2.0424	
2160 minute summer	S30	1.007	S33	15.4	0.324	0.217	1.5124	
2160 minute summer	S31	10.000	S32	0.7	0.067	0.009	1.9702	
2160 minute summer	S32	10.001	S33	1.3	0.043	0.018	3.3987	
2160 minute summer	S33	1.008	S34	16.8	0.347	0.238	1.5624	
2160 minute summer	S34	1.009	S35	17.1	0.347	0.241	2.6514	
2160 minute summer	S35	1.010	S37	17.2	0.347	0.259	0.5619	
2160 minute summer	S36	11.000	S37	0.3	-0.043	0.004	2.4737	
2160 minute summer	S37	1.011	S38	18.6	0.381	0.264	4.4225	
2160 minute summer	S38	1.012	S39	18.5	0.378	0.259	4.4404	
2160 minute summer	S39	1.013	S57	18.5	0.382	0.292	0.3608	
2160 minute summer	S56	12.011	S57	0.0	-0.001	0.000	0.6005	
2160 minute summer	S57	1.014	S127	18.5	0.401	0.261	1.2933	
2160 minute summer	S125	21.003	S127	-0.1	-0.003	-0.001	1.9655	
2160 minute summer	S127	1.015	S60	18.4	0.434	0.258	1.1726	
2160 minute summer	S119	22.003	S60	-0.1	-0.002	-0.001	1.7424	
2160 minute summer	S60	1.016	Pond Inlet 1	18.3	0.587	0.242	1.0565	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	9.2	0.007	0.000	669.7855	
2160 minute summer	Pond Outlet	1.018	S13	0.0	0.040	0.001	0.2314	
2160 minute summer	S13	Pump	Final Outfall	0.0				0.0
2160 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
2160 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
2160 minute summer	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
2160 minute summer	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
2160 minute summer	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
2160 minute summer	PP-S1	4.000_1	S1	0.7	0.533	0.010	0.0062	

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Results for 1 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	PP-S5	1140	0.512	0.012	0.4	0.1671	0.0000	OK
2160 minute summer	PP-S12	1140	0.508	0.008	0.2	0.0962	0.0000	OK
2160 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S2	1200	0.508	0.008	0.2	0.1482	0.0000	OK
2160 minute summer	PP-S15	1140	0.508	0.008	0.2	0.0668	0.0000	OK
2160 minute summer	PP-S75	1140	0.508	0.008	0.2	0.0739	0.0000	OK
2160 minute summer	PP-S24	1140	0.510	0.010	0.4	0.1471	0.0000	OK
2160 minute summer	PP-S30	1140	0.507	0.007	0.2	0.0702	0.0000	OK
2160 minute summer	PP-S33	1080	0.507	0.007	0.2	0.0576	0.0000	OK
2160 minute summer	PP-S34	1140	0.510	0.010	0.4	0.1423	0.0000	OK
2160 minute summer	PP-S35	1140	0.505	0.005	0.1	0.0345	0.0000	OK
2160 minute summer	PP-S36	1140	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
2160 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
2160 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute summer	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
2160 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
2160 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
2160 minute summer	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
2160 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
2160 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
2160 minute summer	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
2160 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
2160 minute summer	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 1 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S26	1200	-0.220	0.018	0.2	0.0310	0.0000	OK
2160 minute winter	S25	1200	-0.228	0.016	0.1	0.0410	0.0000	OK
2160 minute winter	S16	1200	-0.229	0.038	1.1	0.1698	0.0000	OK
2160 minute winter	S145	1140	-0.249	0.066	2.3	0.2835	0.0000	OK
2160 minute winter	S4	1080	-0.225	0.018	0.2	0.0311	0.0000	OK
2160 minute winter	S5	1200	-0.251	0.033	0.5	0.0589	0.0000	OK
2160 minute winter	S9	1200	-0.252	0.044	0.2	0.1003	0.0000	OK
2160 minute winter	S10	1200	-0.253	0.068	0.2	0.1208	0.0000	OK
2160 minute winter	S11	1200	-0.253	0.073	0.8	0.1296	0.0000	OK
2160 minute winter	S12	1200	-0.253	0.082	0.9	0.1451	0.0000	OK
2160 minute winter	S1	1140	-0.231	0.033	0.8	0.0767	0.0000	OK
2160 minute winter	S3	1200	-0.250	0.057	1.3	0.1834	0.0000	OK
2160 minute winter	S2	1200	-0.252	0.084	1.5	0.1477	0.0000	OK
2160 minute winter	S14	1200	-0.253	0.056	0.0	0.0988	0.0000	OK
2160 minute winter	S15	1200	-0.253	0.093	3.1	0.4183	0.0000	OK
2160 minute winter	S75	1200	-0.255	0.107	5.4	0.2712	0.0000	OK
2160 minute winter	S87	1200	-0.253	0.033	0.5	0.1078	0.0000	OK
2160 minute winter	S88	1200	-0.255	0.053	1.0	0.1716	0.0000	OK
2160 minute winter	S89	1200	-0.258	0.072	1.5	0.2348	0.0000	OK
2160 minute winter	S90	1200	-0.259	0.093	2.0	0.2958	0.0000	OK
2160 minute winter	S92	1200	-0.260	0.119	7.7	0.3017	0.0000	OK
2160 minute winter	S81	1200	-0.262	0.040	0.5	0.1286	0.0000	OK
2160 minute winter	S82	1200	-0.264	0.060	1.0	0.1963	0.0000	OK
2160 minute winter	S83	1200	-0.265	0.080	1.5	0.2585	0.0000	OK
2160 minute winter	S84	1200	-0.266	0.101	2.0	0.3204	0.0000	OK
2160 minute winter	S86	1200	-0.267	0.126	9.7	0.3208	0.0000	OK
2160 minute winter	S76	1200	-0.272	0.045	0.5	0.1439	0.0000	OK
2160 minute winter	S77	1200	-0.273	0.066	1.0	0.2129	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S26	1.000	S16	0.2	0.050	0.003	0.2443	
2160 minute winter	S25	2.000	S16	0.1	0.038	0.001	0.1892	
2160 minute winter	S16	1.001	S145	1.1	0.122	0.015	0.9836	
2160 minute winter	S145	1.002	S75	2.3	0.121	0.032	2.0305	
2160 minute winter	S4	3.000	S5	0.2	0.071	0.003	0.2989	
2160 minute winter	S5	3.001	S11	0.5	0.092	0.007	0.9106	
2160 minute winter	S9	4.000	S10	0.2	0.062	0.003	0.5834	
2160 minute winter	S10	4.001	S11	0.2	0.036	0.003	0.1386	
2160 minute winter	S11	3.002	S12	0.8	0.087	0.011	0.3311	
2160 minute winter	S12	3.003	S15	0.9	0.056	0.013	0.5035	
2160 minute winter	S1	5.000	S3	0.8	0.103	0.011	0.7130	
2160 minute winter	S3	5.001	S2	1.3	0.104	0.018	0.9258	
2160 minute winter	S2	5.002	S15	1.5	0.087	0.021	0.4723	
2160 minute winter	S14	6.000	S15	0.0	0.004	0.000	1.3060	
2160 minute winter	S15	3.004	S75	3.1	0.124	0.043	0.8181	
2160 minute winter	S75	1.003	S92	5.4	0.179	0.076	1.0431	
2160 minute winter	S87	7.000	S88	0.5	0.091	0.007	0.3373	
2160 minute winter	S88	7.001	S89	1.0	0.110	0.014	0.5809	
2160 minute winter	S89	7.002	S90	1.5	0.108	0.021	0.8679	
2160 minute winter	S90	7.003	S92	2.0	0.116	0.028	1.5500	
2160 minute winter	S92	1.005	S86	7.7	0.222	0.108	0.9684	
2160 minute winter	S81	8.000	S82	0.5	0.086	0.007	0.4219	
2160 minute winter	S82	8.001	S83	1.0	0.105	0.014	0.6869	
2160 minute winter	S83	8.002	S84	1.5	0.103	0.021	0.9884	
2160 minute winter	S84	8.003	S86	2.0	0.113	0.028	1.6254	
2160 minute winter	S86	1.006	S30	9.7	0.260	0.137	1.0415	
2160 minute winter	S76	9.000	S77	0.5	0.083	0.007	0.4875	
2160 minute winter	S77	9.001	S78	1.0	0.099	0.014	0.7755	

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Results for 1 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S78	1200	-0.274	0.087	1.5	0.2793	0.0000	OK
2160 minute winter	S79	1200	-0.275	0.107	2.0	0.3382	0.0000	OK
2160 minute winter	S30	1200	-0.276	0.131	11.8	0.3342	0.0000	OK
2160 minute winter	S31	1140	-0.288	0.048	0.6	0.1604	0.0000	OK
2160 minute winter	S32	1200	-0.288	0.091	1.1	0.2799	0.0000	OK
2160 minute winter	S33	1200	-0.289	0.134	12.9	0.3417	0.0000	OK
2160 minute winter	S34	1200	-0.304	0.135	13.2	0.2383	0.0000	OK
2160 minute winter	S35	1200	-0.327	0.139	13.2	0.2449	0.0000	OK
2160 minute winter	S36	1200	-0.335	0.107	0.2	0.1898	0.0000	OK
2160 minute winter	S37	1200	-0.335	0.136	14.3	0.6704	0.0000	OK
2160 minute winter	S38	1200	-0.380	0.136	14.3	0.2408	0.0000	OK
2160 minute winter	S39	1200	-0.423	0.139	14.3	0.2463	0.0000	OK
2160 minute winter	S56	1200	-0.430	0.129	0.0	0.2287	0.0000	OK
2160 minute winter	S57	1200	-0.430	0.135	14.3	0.3447	0.0000	OK
2160 minute winter	S125	1200	-0.448	0.107	0.1	0.1896	0.0000	OK
2160 minute winter	S127	1200	-0.448	0.131	14.3	0.3341	0.0000	OK
2160 minute winter	S119	3300	-0.463	0.106	0.2	0.1881	0.0000	OK
2160 minute winter	S60	2760	-0.463	0.130	14.3	0.3317	0.0000	OK
2160 minute winter	Pond Inlet 1	3300	-0.463	0.147	14.3	0.2602	0.0000	OK
2160 minute winter	Pond Outlet	3600	-0.463	0.147	7.2	0.1665	0.0000	OK
2160 minute winter	S13	2940	-0.463	0.175	0.0	0.6073	0.0000	OK
2160 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S26	1200	0.512	0.012	0.2	0.1403	0.0000	OK
2160 minute winter	PP-S25	840	0.507	0.007	0.1	0.0532	0.0000	OK
2160 minute winter	PP-S16	960	0.509	0.009	0.2	0.0901	0.0000	OK
2160 minute winter	PP-S145	1140	0.510	0.010	0.3	0.1113	0.0000	OK
2160 minute winter	PP-S4	1020	0.510	0.010	0.2	0.1016	0.0000	OK
2160 minute winter	PP-S1	1140	0.515	0.015	0.6	2.0773	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S78	9.002	S79	1.5	0.097	0.022	1.0898	
2160 minute winter	S79	9.003	S30	2.0	0.097	0.028	1.6324	
2160 minute winter	S30	1.007	S33	11.8	0.303	0.166	1.2369	
2160 minute winter	S31	10.000	S32	0.6	0.088	0.008	1.3730	
2160 minute winter	S32	10.001	S33	1.1	0.079	0.015	2.6911	
2160 minute winter	S33	1.008	S34	12.9	0.325	0.183	1.2822	
2160 minute winter	S34	1.009	S35	13.2	0.326	0.186	2.1829	
2160 minute winter	S35	1.010	S37	13.2	0.323	0.199	0.4639	
2160 minute winter	S36	11.000	S37	0.2	0.011	0.003	1.9984	
2160 minute winter	S37	1.011	S38	14.3	0.354	0.203	3.6608	
2160 minute winter	S38	1.012	S39	14.3	0.349	0.201	3.7174	
2160 minute winter	S39	1.013	S57	14.3	0.350	0.226	0.3052	
2160 minute winter	S56	12.011	S57	0.0	-0.003	0.000	0.5067	
2160 minute winter	S57	1.014	S127	14.3	0.366	0.203	1.1023	
2160 minute winter	S125	21.003	S127	-0.1	-0.019	-0.001	1.6603	
2160 minute winter	S127	1.015	S60	14.3	0.391	0.201	1.0192	
2160 minute winter	S119	22.003	S60	-0.2	-0.065	-0.003	1.6415	
2160 minute winter	S60	1.016	Pond Inlet 1	14.3	0.523	0.189	1.2391	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	7.2	0.008	0.000	750.1567	
2160 minute winter	Pond Outlet	1.018	S13	0.0	0.067	0.001	0.2618	
2160 minute winter	S13	Pump	Final Outfall	0.0				0.0
2160 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
2160 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
2160 minute winter	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
2160 minute winter	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
2160 minute winter	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
2160 minute winter	PP-S1	4.000_1	S1	0.6	0.511	0.009	0.0056	

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Results for 1 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	PP-S5	1020	0.511	0.011	0.3	0.1311	0.0000	OK
2160 minute winter	PP-S12	840	0.506	0.006	0.1	0.0530	0.0000	OK
2160 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S2	1140	0.508	0.008	0.2	0.1482	0.0000	OK
2160 minute winter	PP-S15	840	0.506	0.006	0.1	0.0373	0.0000	OK
2160 minute winter	PP-S75	840	0.506	0.006	0.1	0.0412	0.0000	OK
2160 minute winter	PP-S24	1020	0.509	0.009	0.3	0.1160	0.0000	OK
2160 minute winter	PP-S30	840	0.505	0.005	0.1	0.0392	0.0000	OK
2160 minute winter	PP-S33	720	0.505	0.005	0.1	0.0325	0.0000	OK
2160 minute winter	PP-S34	1140	0.509	0.009	0.3	0.1114	0.0000	OK
2160 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S36	960	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
2160 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
2160 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
2160 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
2160 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
2160 minute winter	PP-S24	14.000_1	S92	0.3	0.575	0.003	0.0026	
2160 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
2160 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
2160 minute winter	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
2160 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
2160 minute winter	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 1 year 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S26	1500	-0.220	0.018	0.2	0.0310	0.0000	OK
2880 minute summer	S25	1500	-0.223	0.021	0.2	0.0545	0.0000	OK
2880 minute summer	S16	1500	-0.224	0.043	1.4	0.1900	0.0000	OK
2880 minute summer	S145	1500	-0.241	0.074	2.7	0.3172	0.0000	OK
2880 minute summer	S4	1500	-0.225	0.018	0.2	0.0311	0.0000	OK
2880 minute summer	S5	1500	-0.244	0.040	0.6	0.0711	0.0000	OK
2880 minute summer	S9	1500	-0.245	0.051	0.2	0.1171	0.0000	OK
2880 minute summer	S10	1500	-0.245	0.076	0.2	0.1338	0.0000	OK
2880 minute summer	S11	1500	-0.245	0.081	0.8	0.1426	0.0000	OK
2880 minute summer	S12	1500	-0.245	0.090	0.9	0.1583	0.0000	OK
2880 minute summer	S1	1500	-0.232	0.032	0.8	0.0764	0.0000	OK
2880 minute summer	S3	1500	-0.243	0.064	1.3	0.2037	0.0000	OK
2880 minute summer	S2	1500	-0.245	0.091	1.5	0.1605	0.0000	OK
2880 minute summer	S14	1500	-0.246	0.063	0.0	0.1121	0.0000	OK
2880 minute summer	S15	1500	-0.246	0.100	3.2	0.4520	0.0000	OK
2880 minute summer	S75	1500	-0.248	0.114	5.9	0.2914	0.0000	OK
2880 minute summer	S87	1500	-0.246	0.040	0.6	0.1309	0.0000	OK
2880 minute summer	S88	1500	-0.248	0.060	1.2	0.1972	0.0000	OK
2880 minute summer	S89	1500	-0.249	0.081	1.8	0.2614	0.0000	OK
2880 minute summer	S90	1500	-0.251	0.101	2.4	0.3223	0.0000	OK
2880 minute summer	S92	1500	-0.252	0.127	8.6	0.3230	0.0000	OK
2880 minute summer	S81	1500	-0.254	0.048	0.6	0.1541	0.0000	OK
2880 minute summer	S82	1500	-0.255	0.069	1.2	0.2231	0.0000	OK
2880 minute summer	S83	1500	-0.256	0.089	1.8	0.2858	0.0000	OK
2880 minute summer	S84	1500	-0.258	0.109	2.3	0.3473	0.0000	OK
2880 minute summer	S86	1500	-0.258	0.135	10.9	0.3424	0.0000	OK
2880 minute summer	S76	1500	-0.264	0.053	0.6	0.1701	0.0000	OK
2880 minute summer	S77	1500	-0.265	0.074	1.2	0.2400	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S26	1.000	S16	0.2	0.044	0.003	0.2786	
2880 minute summer	S25	2.000	S16	0.2	0.040	0.003	0.2389	
2880 minute summer	S16	1.001	S145	1.4	0.123	0.020	1.1594	
2880 minute summer	S145	1.002	S75	2.7	0.123	0.038	2.2997	
2880 minute summer	S4	3.000	S5	0.2	0.075	0.003	0.3682	
2880 minute summer	S5	3.001	S11	0.6	0.100	0.008	1.0825	
2880 minute summer	S9	4.000	S10	0.2	0.059	0.003	0.6959	
2880 minute summer	S10	4.001	S11	0.2	0.032	0.003	0.1600	
2880 minute summer	S11	3.002	S12	0.8	0.081	0.012	0.3772	
2880 minute summer	S12	3.003	S15	1.0	0.052	0.014	0.5657	
2880 minute summer	S1	5.000	S3	0.8	0.105	0.011	0.7974	
2880 minute summer	S3	5.001	S2	1.3	0.104	0.018	1.0570	
2880 minute summer	S2	5.002	S15	1.5	0.087	0.022	0.5296	
2880 minute summer	S14	6.000	S15	0.0	-0.007	-0.001	1.4940	
2880 minute summer	S15	3.004	S75	3.3	0.121	0.046	0.9093	
2880 minute summer	S75	1.003	S92	5.9	0.174	0.083	1.1512	
2880 minute summer	S87	7.000	S88	0.6	0.091	0.008	0.4253	
2880 minute summer	S88	7.001	S89	1.2	0.112	0.016	0.6915	
2880 minute summer	S89	7.002	S90	1.8	0.113	0.025	0.9944	
2880 minute summer	S90	7.003	S92	2.3	0.088	0.033	1.7246	
2880 minute summer	S92	1.005	S86	8.6	0.226	0.121	1.0628	
2880 minute summer	S81	8.000	S82	0.6	0.087	0.008	0.5240	
2880 minute summer	S82	8.001	S83	1.2	0.105	0.017	0.8072	
2880 minute summer	S83	8.002	S84	1.7	0.104	0.025	1.1223	
2880 minute summer	S84	8.003	S86	2.3	0.077	0.033	1.7979	
2880 minute summer	S86	1.006	S30	10.9	0.267	0.154	1.1382	
2880 minute summer	S76	9.000	S77	0.6	0.084	0.008	0.5958	
2880 minute summer	S77	9.001	S78	1.2	0.102	0.016	0.9006	

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Results for 1 year 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S78	1500	-0.266	0.095	1.8	0.3065	0.0000	OK
2880 minute summer	S79	1500	-0.266	0.116	2.3	0.3651	0.0000	OK
2880 minute summer	S30	1500	-0.267	0.140	13.3	0.3558	0.0000	OK
2880 minute summer	S31	1500	-0.280	0.056	0.6	0.1869	0.0000	OK
2880 minute summer	S32	1500	-0.280	0.099	1.1	0.3052	0.0000	OK
2880 minute summer	S33	1500	-0.280	0.143	14.5	0.3627	0.0000	OK
2880 minute summer	S34	1500	-0.296	0.143	14.8	0.2525	0.0000	OK
2880 minute summer	S35	1500	-0.320	0.146	14.8	0.2586	0.0000	OK
2880 minute summer	S36	1500	-0.327	0.115	0.2	0.2030	0.0000	OK
2880 minute summer	S37	1500	-0.327	0.144	15.9	0.7074	0.0000	OK
2880 minute summer	S38	1500	-0.373	0.143	15.9	0.2535	0.0000	OK
2880 minute summer	S39	1500	-0.416	0.146	15.8	0.2577	0.0000	OK
2880 minute summer	S56	1500	-0.423	0.136	0.0	0.2395	0.0000	OK
2880 minute summer	S57	1500	-0.423	0.142	15.8	0.3602	0.0000	OK
2880 minute summer	S125	1560	-0.442	0.113	0.1	0.1993	0.0000	OK
2880 minute summer	S127	1560	-0.442	0.137	15.8	0.3482	0.0000	OK
2880 minute summer	S119	3780	-0.463	0.106	0.0	0.1868	0.0000	OK
2880 minute summer	S60	3720	-0.463	0.130	15.7	0.3300	0.0000	OK
2880 minute summer	Pond Inlet 1	4260	-0.463	0.147	15.7	0.2589	0.0000	OK
2880 minute summer	Pond Outlet	4140	-0.463	0.147	7.9	0.1657	0.0000	OK
2880 minute summer	S13	3480	-0.463	0.175	0.0	0.6048	0.0000	OK
2880 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S26	1500	0.512	0.012	0.2	0.1402	0.0000	OK
2880 minute summer	PP-S25	1500	0.510	0.010	0.2	0.0943	0.0000	OK
2880 minute summer	PP-S16	1500	0.511	0.011	0.3	0.1261	0.0000	OK
2880 minute summer	PP-S145	1500	0.510	0.010	0.3	0.1113	0.0000	OK
2880 minute summer	PP-S4	1440	0.510	0.010	0.2	0.1016	0.0000	OK
2880 minute summer	PP-S1	1500	0.515	0.015	0.6	2.0572	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S78	9.002	S79	1.7	0.100	0.025	1.2275	
2880 minute summer	S79	9.003	S30	2.3	0.090	0.032	1.7969	
2880 minute summer	S30	1.007	S33	13.3	0.313	0.187	1.3465	
2880 minute summer	S31	10.000	S32	0.6	0.082	0.008	1.6034	
2880 minute summer	S32	10.001	S33	1.0	0.088	0.014	2.9682	
2880 minute summer	S33	1.008	S34	14.5	0.336	0.205	1.3915	
2880 minute summer	S34	1.009	S35	14.8	0.336	0.208	2.3603	
2880 minute summer	S35	1.010	S37	14.7	0.334	0.222	0.5001	
2880 minute summer	S36	11.000	S37	0.2	0.010	0.003	2.1727	
2880 minute summer	S37	1.011	S38	15.9	0.365	0.225	3.9382	
2880 minute summer	S38	1.012	S39	15.8	0.360	0.221	3.9752	
2880 minute summer	S39	1.013	S57	15.8	0.363	0.249	0.3247	
2880 minute summer	S56	12.011	S57	0.0	-0.008	-0.001	0.5394	
2880 minute summer	S57	1.014	S127	15.8	0.379	0.223	1.1680	
2880 minute summer	S125	21.003	S127	-0.1	-0.029	-0.001	1.7688	
2880 minute summer	S127	1.015	S60	15.7	0.407	0.221	1.0774	
2880 minute summer	S119	22.003	S60	0.0	-0.028	-0.001	1.6277	
2880 minute summer	S60	1.016	Pond Inlet 1	15.7	0.533	0.207	1.2306	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	7.8	0.007	0.000	746.2809	
2880 minute summer	Pond Outlet	1.018	S13	0.0	0.033	0.001	0.2603	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
2880 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
2880 minute summer	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
2880 minute summer	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
2880 minute summer	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
2880 minute summer	PP-S1	4.000_1	S1	0.6	0.509	0.009	0.0056	

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Results for 1 year 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP-S5	1500	0.512	0.012	0.4	0.1671	0.0000	OK
2880 minute summer	PP-S12	1320	0.506	0.006	0.1	0.0530	0.0000	OK
2880 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S2	1560	0.508	0.008	0.2	0.1482	0.0000	OK
2880 minute summer	PP-S15	1500	0.508	0.008	0.2	0.0668	0.0000	OK
2880 minute summer	PP-S75	1260	0.506	0.006	0.1	0.0412	0.0000	OK
2880 minute summer	PP-S24	1500	0.510	0.010	0.4	0.1471	0.0000	OK
2880 minute summer	PP-S30	1260	0.505	0.005	0.1	0.0392	0.0000	OK
2880 minute summer	PP-S33	1500	0.507	0.007	0.2	0.0576	0.0000	OK
2880 minute summer	PP-S34	1500	0.509	0.009	0.3	0.1114	0.0000	OK
2880 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S36	1380	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
2880 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
2880 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute summer	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
2880 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
2880 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
2880 minute summer	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
2880 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
2880 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
2880 minute summer	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
2880 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
2880 minute summer	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 1 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S26	1140	-0.225	0.013	0.1	0.0227	0.0000	OK
2880 minute winter	S25	1500	-0.231	0.013	0.1	0.0336	0.0000	OK
2880 minute winter	S16	1440	-0.232	0.035	0.9	0.1546	0.0000	OK
2880 minute winter	S145	1500	-0.260	0.055	1.8	0.2347	0.0000	OK
2880 minute winter	S4	1380	-0.225	0.018	0.2	0.0311	0.0000	OK
2880 minute winter	S5	1560	-0.257	0.027	0.5	0.0469	0.0000	OK
2880 minute winter	S9	1500	-0.264	0.032	0.2	0.0745	0.0000	OK
2880 minute winter	S10	1500	-0.264	0.057	0.2	0.1006	0.0000	OK
2880 minute winter	S11	1500	-0.264	0.062	0.7	0.1094	0.0000	OK
2880 minute winter	S12	1500	-0.264	0.071	0.8	0.1246	0.0000	OK
2880 minute winter	S1	1500	-0.233	0.031	0.7	0.0723	0.0000	OK
2880 minute winter	S3	1500	-0.260	0.047	1.1	0.1501	0.0000	OK
2880 minute winter	S2	1500	-0.264	0.072	1.2	0.1270	0.0000	OK
2880 minute winter	S14	1500	-0.265	0.044	0.0	0.0780	0.0000	OK
2880 minute winter	S15	1500	-0.265	0.081	2.7	0.3653	0.0000	OK
2880 minute winter	S75	1500	-0.268	0.094	4.5	0.2398	0.0000	OK
2880 minute winter	S87	1560	-0.261	0.025	0.4	0.0797	0.0000	OK
2880 minute winter	S88	1500	-0.267	0.041	0.8	0.1346	0.0000	OK
2880 minute winter	S89	1500	-0.270	0.060	1.2	0.1942	0.0000	OK
2880 minute winter	S90	1500	-0.272	0.080	1.6	0.2547	0.0000	OK
2880 minute winter	S92	1500	-0.273	0.106	6.4	0.2688	0.0000	OK
2880 minute winter	S81	1560	-0.273	0.029	0.4	0.0925	0.0000	OK
2880 minute winter	S82	1560	-0.276	0.048	0.8	0.1555	0.0000	OK
2880 minute winter	S83	1560	-0.278	0.067	1.2	0.2159	0.0000	OK
2880 minute winter	S84	1500	-0.279	0.088	1.6	0.2778	0.0000	OK
2880 minute winter	S86	1500	-0.280	0.113	8.0	0.2866	0.0000	OK
2880 minute winter	S76	1560	-0.285	0.032	0.4	0.1043	0.0000	OK
2880 minute winter	S77	1560	-0.286	0.053	0.8	0.1704	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S26	1.000	S16	0.1	0.044	0.001	0.1986	
2880 minute winter	S25	2.000	S16	0.1	0.038	0.001	0.1596	
2880 minute winter	S16	1.001	S145	0.9	0.120	0.013	0.7810	
2880 minute winter	S145	1.002	S75	1.8	0.117	0.026	1.6532	
2880 minute winter	S4	3.000	S5	0.2	0.078	0.003	0.2367	
2880 minute winter	S5	3.001	S11	0.5	0.092	0.007	0.6964	
2880 minute winter	S9	4.000	S10	0.2	0.059	0.003	0.4222	
2880 minute winter	S10	4.001	S11	0.2	0.032	0.003	0.1073	
2880 minute winter	S11	3.002	S12	0.7	0.076	0.010	0.2622	
2880 minute winter	S12	3.003	S15	0.8	0.048	0.011	0.4093	
2880 minute winter	S1	5.000	S3	0.7	0.106	0.009	0.5687	
2880 minute winter	S3	5.001	S2	1.1	0.104	0.015	0.7242	
2880 minute winter	S2	5.002	S15	1.2	0.087	0.017	0.3845	
2880 minute winter	S14	6.000	S15	0.0	-0.006	0.000	1.0252	
2880 minute winter	S15	3.004	S75	2.6	0.122	0.037	0.6807	
2880 minute winter	S75	1.003	S92	4.5	0.174	0.064	0.8813	
2880 minute winter	S87	7.000	S88	0.4	0.088	0.006	0.2287	
2880 minute winter	S88	7.001	S89	0.8	0.107	0.011	0.4270	
2880 minute winter	S89	7.002	S90	1.2	0.114	0.017	0.6825	
2880 minute winter	S90	7.003	S92	1.6	0.091	0.023	1.2887	
2880 minute winter	S92	1.005	S86	6.4	0.217	0.090	0.8244	
2880 minute winter	S81	8.000	S82	0.4	0.082	0.006	0.2851	
2880 minute winter	S82	8.001	S83	0.8	0.105	0.012	0.5127	
2880 minute winter	S83	8.002	S84	1.2	0.103	0.017	0.7875	
2880 minute winter	S84	8.003	S86	1.6	0.078	0.023	1.3611	
2880 minute winter	S86	1.006	S30	8.0	0.251	0.113	0.8904	
2880 minute winter	S76	9.000	S77	0.4	0.079	0.006	0.3339	
2880 minute winter	S77	9.001	S78	0.8	0.103	0.011	0.5884	

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Results for 1 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S78	1560	-0.288	0.073	1.2	0.2358	0.0000	OK
2880 minute winter	S79	1560	-0.289	0.093	1.6	0.2950	0.0000	OK
2880 minute winter	S30	1560	-0.289	0.118	9.7	0.2994	0.0000	OK
2880 minute winter	S31	1560	-0.301	0.035	0.4	0.1156	0.0000	OK
2880 minute winter	S32	1560	-0.302	0.077	0.8	0.2372	0.0000	OK
2880 minute winter	S33	1560	-0.303	0.120	10.6	0.3064	0.0000	OK
2880 minute winter	S34	1560	-0.318	0.121	10.8	0.2135	0.0000	OK
2880 minute winter	S35	1560	-0.341	0.125	10.8	0.2201	0.0000	OK
2880 minute winter	S36	1560	-0.348	0.094	0.2	0.1655	0.0000	OK
2880 minute winter	S37	1560	-0.348	0.123	11.7	0.6029	0.0000	OK
2880 minute winter	S38	1560	-0.394	0.122	11.7	0.2164	0.0000	OK
2880 minute winter	S39	1560	-0.436	0.126	11.7	0.2229	0.0000	OK
2880 minute winter	S56	1560	-0.442	0.117	0.0	0.2062	0.0000	OK
2880 minute winter	S57	1560	-0.442	0.123	11.7	0.3123	0.0000	OK
2880 minute winter	S125	3960	-0.452	0.103	0.0	0.1828	0.0000	OK
2880 minute winter	S127	3960	-0.452	0.127	11.7	0.3241	0.0000	OK
2880 minute winter	S119	3720	-0.452	0.117	0.0	0.2075	0.0000	OK
2880 minute winter	S60	4200	-0.452	0.141	11.7	0.3599	0.0000	OK
2880 minute winter	Pond Inlet 1	4260	-0.452	0.158	11.7	0.2797	0.0000	OK
2880 minute winter	Pond Outlet	4200	-0.452	0.158	5.9	0.1790	0.0000	OK
2880 minute winter	S13	3780	-0.452	0.186	0.1	0.6455	0.0000	OK
2880 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S26	1140	0.509	0.009	0.1	0.0816	0.0000	OK
2880 minute winter	PP-S25	1140	0.507	0.007	0.1	0.0532	0.0000	OK
2880 minute winter	PP-S16	1320	0.509	0.009	0.2	0.0901	0.0000	OK
2880 minute winter	PP-S145	1260	0.508	0.008	0.2	0.0795	0.0000	OK
2880 minute winter	PP-S4	1380	0.510	0.010	0.2	0.1016	0.0000	OK
2880 minute winter	PP-S1	1500	0.514	0.014	0.5	1.7376	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S78	9.002	S79	1.2	0.098	0.017	0.8788	
2880 minute winter	S79	9.003	S30	1.6	0.069	0.023	1.3754	
2880 minute winter	S30	1.007	S33	9.7	0.290	0.136	1.0610	
2880 minute winter	S31	10.000	S32	0.4	0.074	0.006	1.0162	
2880 minute winter	S32	10.001	S33	0.8	0.041	0.011	2.2418	
2880 minute winter	S33	1.008	S34	10.6	0.310	0.150	1.1006	
2880 minute winter	S34	1.009	S35	10.8	0.309	0.152	1.8777	
2880 minute winter	S35	1.010	S37	10.8	0.306	0.162	0.4000	
2880 minute winter	S36	11.000	S37	0.2	0.010	0.003	1.6907	
2880 minute winter	S37	1.011	S38	11.7	0.335	0.166	3.1552	
2880 minute winter	S38	1.012	S39	11.7	0.329	0.164	3.2189	
2880 minute winter	S39	1.013	S57	11.7	0.328	0.185	0.2658	
2880 minute winter	S56	12.011	S57	0.0	-0.003	-0.001	0.4399	
2880 minute winter	S57	1.014	S127	11.7	0.341	0.165	0.9635	
2880 minute winter	S125	21.003	S127	0.0	-0.008	0.001	1.5849	
2880 minute winter	S127	1.015	S60	11.7	0.362	0.164	1.0986	
2880 minute winter	S119	22.003	S60	0.0	-0.008	-0.001	1.8593	
2880 minute winter	S60	1.016	Pond Inlet 1	11.7	0.475	0.154	1.3773	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	5.9	0.007	0.000	808.9316	
2880 minute winter	Pond Outlet	1.018	S13	0.1	0.058	0.001	0.2839	
2880 minute winter	S13	Pump	Final Outfall	0.0				0.0
2880 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
2880 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
2880 minute winter	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
2880 minute winter	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
2880 minute winter	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
2880 minute winter	PP-S1	4.000_1	S1	0.5	0.482	0.007	0.0049	

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Results for 1 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP-S5	1500	0.511	0.011	0.3	0.1311	0.0000	OK
2880 minute winter	PP-S12	1140	0.506	0.006	0.1	0.0530	0.0000	OK
2880 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S2	1140	0.506	0.006	0.1	0.0815	0.0000	OK
2880 minute winter	PP-S15	1140	0.506	0.006	0.1	0.0373	0.0000	OK
2880 minute winter	PP-S75	1140	0.506	0.006	0.1	0.0412	0.0000	OK
2880 minute winter	PP-S24	1500	0.509	0.009	0.3	0.1160	0.0000	OK
2880 minute winter	PP-S30	1140	0.505	0.005	0.1	0.0392	0.0000	OK
2880 minute winter	PP-S33	1020	0.505	0.005	0.1	0.0325	0.0000	OK
2880 minute winter	PP-S34	1260	0.507	0.007	0.2	0.0793	0.0000	OK
2880 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S36	1320	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
2880 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
2880 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
2880 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
2880 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
2880 minute winter	PP-S24	14.000_1	S92	0.3	0.575	0.003	0.0026	
2880 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
2880 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
2880 minute winter	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
2880 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
2880 minute winter	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 1 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	1920	-0.225	0.013	0.1	0.0227	0.0000	OK
4320 minute summer	S25	2280	-0.231	0.013	0.1	0.0336	0.0000	OK
4320 minute summer	S16	2220	-0.232	0.035	0.9	0.1546	0.0000	OK
4320 minute summer	S145	2220	-0.261	0.054	1.8	0.2333	0.0000	OK
4320 minute summer	S4	2280	-0.225	0.018	0.2	0.0311	0.0000	OK
4320 minute summer	S5	2220	-0.257	0.027	0.5	0.0469	0.0000	OK
4320 minute summer	S9	2220	-0.264	0.032	0.2	0.0735	0.0000	OK
4320 minute summer	S10	2220	-0.265	0.056	0.2	0.0998	0.0000	OK
4320 minute summer	S11	2220	-0.265	0.061	0.7	0.1086	0.0000	OK
4320 minute summer	S12	2220	-0.265	0.070	0.8	0.1238	0.0000	OK
4320 minute summer	S1	2220	-0.233	0.031	0.7	0.0721	0.0000	OK
4320 minute summer	S3	2220	-0.260	0.047	1.1	0.1489	0.0000	OK
4320 minute summer	S2	2220	-0.265	0.071	1.2	0.1262	0.0000	OK
4320 minute summer	S14	2220	-0.265	0.044	0.0	0.0772	0.0000	OK
4320 minute summer	S15	2220	-0.265	0.081	2.6	0.3633	0.0000	OK
4320 minute summer	S75	2220	-0.268	0.094	4.5	0.2387	0.0000	OK
4320 minute summer	S87	2220	-0.262	0.024	0.4	0.0792	0.0000	OK
4320 minute summer	S88	2220	-0.267	0.041	0.8	0.1336	0.0000	OK
4320 minute summer	S89	2220	-0.270	0.060	1.2	0.1929	0.0000	OK
4320 minute summer	S90	2220	-0.272	0.080	1.6	0.2534	0.0000	OK
4320 minute summer	S92	2220	-0.274	0.105	6.4	0.2677	0.0000	OK
4320 minute summer	S81	2280	-0.274	0.028	0.4	0.0916	0.0000	OK
4320 minute summer	S82	2220	-0.277	0.047	0.8	0.1542	0.0000	OK
4320 minute summer	S83	2220	-0.279	0.066	1.2	0.2147	0.0000	OK
4320 minute summer	S84	2220	-0.280	0.087	1.6	0.2766	0.0000	OK
4320 minute summer	S86	2220	-0.281	0.112	7.9	0.2856	0.0000	OK
4320 minute summer	S76	2280	-0.285	0.032	0.4	0.1034	0.0000	OK
4320 minute summer	S77	2280	-0.287	0.052	0.8	0.1693	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S26	1.000	S16	0.1	0.044	0.001	0.1986	
4320 minute summer	S25	2.000	S16	0.1	0.038	0.001	0.1596	
4320 minute summer	S16	1.001	S145	0.9	0.122	0.013	0.7765	
4320 minute summer	S145	1.002	S75	1.8	0.120	0.026	1.6412	
4320 minute summer	S4	3.000	S5	0.2	0.076	0.003	0.2366	
4320 minute summer	S5	3.001	S11	0.5	0.092	0.007	0.6906	
4320 minute summer	S9	4.000	S10	0.2	0.061	0.003	0.4162	
4320 minute summer	S10	4.001	S11	0.2	0.035	0.003	0.1061	
4320 minute summer	S11	3.002	S12	0.7	0.080	0.010	0.2596	
4320 minute summer	S12	3.003	S15	0.8	0.051	0.011	0.4058	
4320 minute summer	S1	5.000	S3	0.7	0.107	0.009	0.5639	
4320 minute summer	S3	5.001	S2	1.1	0.103	0.015	0.7171	
4320 minute summer	S2	5.002	S15	1.2	0.087	0.017	0.3812	
4320 minute summer	S14	6.000	S15	0.0	-0.003	0.000	1.0150	
4320 minute summer	S15	3.004	S75	2.6	0.122	0.037	0.6758	
4320 minute summer	S75	1.003	S92	4.5	0.173	0.063	0.8760	
4320 minute summer	S87	7.000	S88	0.4	0.090	0.006	0.2262	
4320 minute summer	S88	7.001	S89	0.8	0.109	0.011	0.4225	
4320 minute summer	S89	7.002	S90	1.2	0.113	0.017	0.6766	
4320 minute summer	S90	7.003	S92	1.6	0.091	0.023	1.2804	
4320 minute summer	S92	1.005	S86	6.4	0.216	0.090	0.8201	
4320 minute summer	S81	8.000	S82	0.4	0.086	0.006	0.2814	
4320 minute summer	S82	8.001	S83	0.8	0.104	0.012	0.5077	
4320 minute summer	S83	8.002	S84	1.2	0.104	0.017	0.7820	
4320 minute summer	S84	8.003	S86	1.6	0.077	0.023	1.3537	
4320 minute summer	S86	1.006	S30	7.9	0.249	0.112	0.8866	
4320 minute summer	S76	9.000	S77	0.4	0.082	0.006	0.3302	
4320 minute summer	S77	9.001	S78	0.8	0.096	0.011	0.5831	

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Results for 1 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S78	2220	-0.288	0.073	1.2	0.2345	0.0000	OK
4320 minute summer	S79	2220	-0.289	0.093	1.6	0.2938	0.0000	OK
4320 minute summer	S30	2220	-0.290	0.117	9.6	0.2985	0.0000	OK
4320 minute summer	S31	2220	-0.301	0.035	0.5	0.1169	0.0000	OK
4320 minute summer	S32	2220	-0.302	0.077	0.9	0.2368	0.0000	OK
4320 minute summer	S33	2220	-0.303	0.120	10.6	0.3059	0.0000	OK
4320 minute summer	S34	2220	-0.318	0.121	10.7	0.2132	0.0000	OK
4320 minute summer	S35	2220	-0.341	0.125	10.7	0.2200	0.0000	OK
4320 minute summer	S36	2220	-0.348	0.094	0.2	0.1655	0.0000	OK
4320 minute summer	S37	2220	-0.348	0.123	11.7	0.6030	0.0000	OK
4320 minute summer	S38	2280	-0.394	0.122	11.7	0.2161	0.0000	OK
4320 minute summer	S39	2280	-0.436	0.126	11.7	0.2227	0.0000	OK
4320 minute summer	S56	2280	-0.442	0.117	0.0	0.2060	0.0000	OK
4320 minute summer	S57	2280	-0.442	0.123	11.7	0.3119	0.0000	OK
4320 minute summer	S125	2280	-0.460	0.095	0.0	0.1685	0.0000	OK
4320 minute summer	S127	2280	-0.460	0.119	11.7	0.3037	0.0000	OK
4320 minute summer	S119	4920	-0.461	0.108	0.0	0.1901	0.0000	OK
4320 minute summer	S60	5640	-0.461	0.132	11.7	0.3349	0.0000	OK
4320 minute summer	Pond Inlet 1	5340	-0.461	0.149	11.7	0.2624	0.0000	OK
4320 minute summer	Pond Outlet	5220	-0.461	0.149	5.9	0.1680	0.0000	OK
4320 minute summer	S13	5700	-0.461	0.177	0.0	0.6117	0.0000	OK
4320 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S26	1920	0.509	0.009	0.1	0.0816	0.0000	OK
4320 minute summer	PP-S25	1920	0.507	0.007	0.1	0.0532	0.0000	OK
4320 minute summer	PP-S16	2160	0.509	0.009	0.2	0.0901	0.0000	OK
4320 minute summer	PP-S145	2100	0.508	0.008	0.2	0.0795	0.0000	OK
4320 minute summer	PP-S4	2220	0.510	0.010	0.2	0.1016	0.0000	OK
4320 minute summer	PP-S1	2220	0.514	0.014	0.5	1.7291	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S78	9.002	S79	1.2	0.102	0.017	0.8729	
4320 minute summer	S79	9.003	S30	1.6	0.068	0.023	1.3686	
4320 minute summer	S30	1.007	S33	9.6	0.287	0.135	1.0574	
4320 minute summer	S31	10.000	S32	0.5	0.083	0.007	1.0181	
4320 minute summer	S32	10.001	S33	0.9	0.044	0.012	2.2359	
4320 minute summer	S33	1.008	S34	10.5	0.310	0.150	1.0978	
4320 minute summer	S34	1.009	S35	10.7	0.308	0.151	1.8747	
4320 minute summer	S35	1.010	S37	10.7	0.305	0.162	0.3999	
4320 minute summer	S36	11.000	S37	0.2	0.010	0.003	1.6911	
4320 minute summer	S37	1.011	S38	11.7	0.336	0.166	3.1527	
4320 minute summer	S38	1.012	S39	11.7	0.329	0.163	3.2143	
4320 minute summer	S39	1.013	S57	11.7	0.329	0.184	0.2654	
4320 minute summer	S56	12.011	S57	0.0	-0.003	0.001	0.4392	
4320 minute summer	S57	1.014	S127	11.7	0.342	0.165	0.9617	
4320 minute summer	S125	21.003	S127	0.0	-0.011	-0.001	1.4319	
4320 minute summer	S127	1.015	S60	11.7	0.363	0.164	0.9888	
4320 minute summer	S119	22.003	S60	0.0	-0.007	0.000	1.6654	
4320 minute summer	S60	1.016	Pond Inlet 1	11.7	0.465	0.155	1.2547	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	5.9	0.004	0.000	756.8094	
4320 minute summer	Pond Outlet	1.018	S13	0.0	0.033	-0.001	0.2643	
4320 minute summer	S13	Pump	Final Outfall	0.0				0.0
4320 minute summer	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
4320 minute summer	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
4320 minute summer	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
4320 minute summer	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
4320 minute summer	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
4320 minute summer	PP-S1	4.000_1	S1	0.5	0.482	0.007	0.0049	

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Results for 1 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	PP-S5	2220	0.511	0.011	0.3	0.1311	0.0000	OK
4320 minute summer	PP-S12	1980	0.506	0.006	0.1	0.0530	0.0000	OK
4320 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S2	1920	0.506	0.006	0.1	0.0815	0.0000	OK
4320 minute summer	PP-S15	1920	0.506	0.006	0.1	0.0373	0.0000	OK
4320 minute summer	PP-S75	1920	0.506	0.006	0.1	0.0412	0.0000	OK
4320 minute summer	PP-S24	2220	0.509	0.009	0.3	0.1160	0.0000	OK
4320 minute summer	PP-S30	1980	0.505	0.005	0.1	0.0392	0.0000	OK
4320 minute summer	PP-S33	1860	0.505	0.005	0.1	0.0325	0.0000	OK
4320 minute summer	PP-S34	2100	0.507	0.007	0.2	0.0793	0.0000	OK
4320 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S36	2160	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
4320 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
4320 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute summer	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
4320 minute summer	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
4320 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
4320 minute summer	PP-S24	14.000_1	S92	0.3	0.575	0.003	0.0026	
4320 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
4320 minute summer	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
4320 minute summer	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
4320 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
4320 minute summer	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 1 year 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S26	1740	-0.225	0.013	0.1	0.0227	0.0000	OK
4320 minute winter	S25	1740	-0.231	0.013	0.1	0.0328	0.0000	OK
4320 minute winter	S16	2220	-0.234	0.033	0.8	0.1465	0.0000	OK
4320 minute winter	S145	2220	-0.271	0.044	1.5	0.1916	0.0000	OK
4320 minute winter	S4	1500	-0.230	0.013	0.1	0.0228	0.0000	OK
4320 minute winter	S5	1980	-0.263	0.021	0.3	0.0371	0.0000	OK
4320 minute winter	S9	2280	-0.278	0.018	0.1	0.0404	0.0000	OK
4320 minute winter	S10	2280	-0.279	0.042	0.1	0.0741	0.0000	OK
4320 minute winter	S11	2280	-0.279	0.047	0.4	0.0829	0.0000	OK
4320 minute winter	S12	2280	-0.279	0.056	0.5	0.0982	0.0000	OK
4320 minute winter	S1	2220	-0.238	0.026	0.5	0.0612	0.0000	OK
4320 minute winter	S3	2220	-0.273	0.034	0.8	0.1103	0.0000	OK
4320 minute winter	S2	2280	-0.279	0.057	0.9	0.1009	0.0000	OK
4320 minute winter	S14	2280	-0.280	0.029	0.0	0.0516	0.0000	OK
4320 minute winter	S15	2280	-0.280	0.066	1.9	0.2980	0.0000	OK
4320 minute winter	S75	2220	-0.283	0.079	3.5	0.2013	0.0000	OK
4320 minute winter	S87	1920	-0.265	0.021	0.3	0.0681	0.0000	OK
4320 minute winter	S88	2280	-0.278	0.030	0.6	0.0982	0.0000	OK
4320 minute winter	S89	2280	-0.284	0.046	0.9	0.1476	0.0000	OK
4320 minute winter	S90	2280	-0.287	0.065	1.2	0.2055	0.0000	OK
4320 minute winter	S92	2280	-0.289	0.090	4.8	0.2287	0.0000	OK
4320 minute winter	S81	1920	-0.281	0.021	0.3	0.0678	0.0000	OK
4320 minute winter	S82	2280	-0.290	0.034	0.6	0.1117	0.0000	OK
4320 minute winter	S83	2280	-0.293	0.052	0.9	0.1666	0.0000	OK
4320 minute winter	S84	2280	-0.295	0.072	1.2	0.2276	0.0000	OK
4320 minute winter	S86	2280	-0.296	0.097	6.0	0.2460	0.0000	OK
4320 minute winter	S76	1920	-0.296	0.021	0.3	0.0675	0.0000	OK
4320 minute winter	S77	2280	-0.301	0.038	0.6	0.1230	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S26	1.000	S16	0.1	0.045	0.001	0.1859	
4320 minute winter	S25	2.000	S16	0.1	0.042	0.001	0.1483	
4320 minute winter	S16	1.001	S145	0.8	0.122	0.011	0.6272	
4320 minute winter	S145	1.002	S75	1.5	0.115	0.021	1.2663	
4320 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1586	
4320 minute winter	S5	3.001	S11	0.3	0.101	0.004	0.4684	
4320 minute winter	S9	4.000	S10	0.1	0.062	0.001	0.2379	
4320 minute winter	S10	4.001	S11	0.1	0.037	0.001	0.0700	
4320 minute winter	S11	3.002	S12	0.4	0.089	0.006	0.1804	
4320 minute winter	S12	3.003	S15	0.5	0.060	0.008	0.2979	
4320 minute winter	S1	5.000	S3	0.5	0.106	0.007	0.3904	
4320 minute winter	S3	5.001	S2	0.8	0.107	0.011	0.4974	
4320 minute winter	S2	5.002	S15	0.9	0.087	0.013	0.2812	
4320 minute winter	S14	6.000	S15	0.0	-0.004	0.000	0.7014	
4320 minute winter	S15	3.004	S75	1.9	0.121	0.026	0.5189	
4320 minute winter	S75	1.003	S92	3.5	0.170	0.049	0.6927	
4320 minute winter	S87	7.000	S88	0.3	0.088	0.004	0.1539	
4320 minute winter	S88	7.001	S89	0.6	0.108	0.008	0.2782	
4320 minute winter	S89	7.002	S90	0.9	0.111	0.013	0.4828	
4320 minute winter	S90	7.003	S92	1.2	0.089	0.017	0.9918	
4320 minute winter	S92	1.005	S86	4.8	0.205	0.068	0.6592	
4320 minute winter	S81	8.000	S82	0.3	0.085	0.004	0.1761	
4320 minute winter	S82	8.001	S83	0.6	0.105	0.009	0.3369	
4320 minute winter	S83	8.002	S84	0.9	0.103	0.013	0.5695	
4320 minute winter	S84	8.003	S86	1.2	0.076	0.017	1.0645	
4320 minute winter	S86	1.006	S30	6.0	0.234	0.085	0.7201	
4320 minute winter	S76	9.000	S77	0.3	0.080	0.004	0.1951	
4320 minute winter	S77	9.001	S78	0.6	0.101	0.008	0.3944	

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Results for 1 year 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S78	2280	-0.303	0.058	0.9	0.1853	0.0000	OK
4320 minute winter	S79	2280	-0.305	0.077	1.2	0.2444	0.0000	OK
4320 minute winter	S30	2280	-0.305	0.102	7.3	0.2585	0.0000	OK
4320 minute winter	S31	1920	-0.315	0.021	0.3	0.0698	0.0000	OK
4320 minute winter	S32	2280	-0.318	0.061	0.6	0.1877	0.0000	OK
4320 minute winter	S33	2280	-0.319	0.104	8.0	0.2655	0.0000	OK
4320 minute winter	S34	2280	-0.334	0.105	8.2	0.1853	0.0000	OK
4320 minute winter	S35	2280	-0.357	0.109	8.2	0.1918	0.0000	OK
4320 minute winter	S36	2280	-0.364	0.078	0.1	0.1377	0.0000	OK
4320 minute winter	S37	2280	-0.364	0.107	8.9	0.5256	0.0000	OK
4320 minute winter	S38	2280	-0.409	0.107	8.9	0.1883	0.0000	OK
4320 minute winter	S39	5520	-0.429	0.133	8.9	0.2350	0.0000	OK
4320 minute winter	S56	4980	-0.429	0.130	0.0	0.2297	0.0000	OK
4320 minute winter	S57	5040	-0.429	0.136	8.9	0.3460	0.0000	OK
4320 minute winter	S125	4860	-0.429	0.126	0.0	0.2227	0.0000	OK
4320 minute winter	S127	5160	-0.429	0.150	8.9	0.3816	0.0000	OK
4320 minute winter	S119	5520	-0.429	0.140	0.1	0.2474	0.0000	OK
4320 minute winter	S60	4860	-0.429	0.164	8.9	0.4172	0.0000	OK
4320 minute winter	Pond Inlet 1	5580	-0.429	0.181	8.9	0.3196	0.0000	OK
4320 minute winter	Pond Outlet	5760	-0.429	0.181	4.5	0.2046	0.0000	OK
4320 minute winter	S13	5280	-0.429	0.209	0.1	0.7238	0.0000	OK
4320 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S26	1740	0.509	0.009	0.1	0.0816	0.0000	OK
4320 minute winter	PP-S25	1740	0.507	0.007	0.1	0.0532	0.0000	OK
4320 minute winter	PP-S16	2220	0.509	0.009	0.2	0.0901	0.0000	OK
4320 minute winter	PP-S145	2040	0.508	0.008	0.2	0.0795	0.0000	OK
4320 minute winter	PP-S4	1440	0.507	0.007	0.1	0.0582	0.0000	OK
4320 minute winter	PP-S1	2220	0.512	0.012	0.4	1.3940	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S78	9.002	S79	0.9	0.098	0.013	0.6486	
4320 minute winter	S79	9.003	S30	1.2	0.069	0.017	1.0884	
4320 minute winter	S30	1.007	S33	7.3	0.269	0.103	0.8641	
4320 minute winter	S31	10.000	S32	0.3	0.088	0.004	0.6636	
4320 minute winter	S32	10.001	S33	0.6	0.039	0.008	1.7493	
4320 minute winter	S33	1.008	S34	8.0	0.288	0.114	0.8997	
4320 minute winter	S34	1.009	S35	8.2	0.288	0.116	1.5410	
4320 minute winter	S35	1.010	S37	8.2	0.285	0.124	0.3294	
4320 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.3541	
4320 minute winter	S37	1.011	S38	8.9	0.312	0.127	2.5956	
4320 minute winter	S38	1.012	S39	8.9	0.304	0.125	2.7366	
4320 minute winter	S39	1.013	S57	8.9	0.302	0.141	0.2961	
4320 minute winter	S56	12.011	S57	0.0	-0.006	0.000	0.5094	
4320 minute winter	S57	1.014	S127	8.9	0.312	0.126	1.2139	
4320 minute winter	S125	21.003	S127	0.1	-0.007	0.001	2.0331	
4320 minute winter	S127	1.015	S60	8.9	0.328	0.125	1.3615	
4320 minute winter	S119	22.003	S60	-0.1	-0.007	-0.001	2.3221	
4320 minute winter	S60	1.016	Pond Inlet 1	8.9	0.410	0.118	1.6668	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	4.5	0.007	0.000	929.6161	
4320 minute winter	Pond Outlet	1.018	S13	0.1	0.037	0.001	0.3284	
4320 minute winter	S13	Pump	Final Outfall	0.0				0.0
4320 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
4320 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
4320 minute winter	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
4320 minute winter	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
4320 minute winter	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
4320 minute winter	PP-S1	4.000_1	S1	0.4	0.450	0.006	0.0042	

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Results for 1 year 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	PP-S5	1920	0.509	0.009	0.2	0.0941	0.0000	OK
4320 minute winter	PP-S12	1860	0.506	0.006	0.1	0.0530	0.0000	OK
4320 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S2	1740	0.506	0.006	0.1	0.0815	0.0000	OK
4320 minute winter	PP-S15	1740	0.506	0.006	0.1	0.0373	0.0000	OK
4320 minute winter	PP-S75	1740	0.506	0.006	0.1	0.0412	0.0000	OK
4320 minute winter	PP-S24	1920	0.508	0.008	0.2	0.0829	0.0000	OK
4320 minute winter	PP-S30	1800	0.505	0.005	0.1	0.0392	0.0000	OK
4320 minute winter	PP-S33	1680	0.505	0.005	0.1	0.0325	0.0000	OK
4320 minute winter	PP-S34	2040	0.507	0.007	0.2	0.0793	0.0000	OK
4320 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S36	1500	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
4320 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
4320 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
4320 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
4320 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
4320 minute winter	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
4320 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
4320 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
4320 minute winter	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
4320 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
4320 minute winter	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S26	2580	-0.225	0.013	0.1	0.0227	0.0000	OK
5760 minute summer	S25	2940	-0.231	0.013	0.1	0.0336	0.0000	OK
5760 minute summer	S16	2940	-0.232	0.035	0.9	0.1546	0.0000	OK
5760 minute summer	S145	2940	-0.265	0.050	1.7	0.2144	0.0000	OK
5760 minute summer	S4	2940	-0.225	0.018	0.2	0.0311	0.0000	OK
5760 minute summer	S5	2940	-0.260	0.024	0.4	0.0422	0.0000	OK
5760 minute summer	S9	2940	-0.271	0.025	0.1	0.0581	0.0000	OK
5760 minute summer	S10	2940	-0.271	0.050	0.1	0.0884	0.0000	OK
5760 minute summer	S11	2940	-0.271	0.055	0.5	0.0972	0.0000	OK
5760 minute summer	S12	2940	-0.271	0.064	0.6	0.1126	0.0000	OK
5760 minute summer	S1	3000	-0.237	0.027	0.5	0.0625	0.0000	OK
5760 minute summer	S3	2940	-0.266	0.041	0.9	0.1301	0.0000	OK
5760 minute summer	S2	2940	-0.271	0.065	1.0	0.1152	0.0000	OK
5760 minute summer	S14	2940	-0.272	0.037	0.0	0.0662	0.0000	OK
5760 minute summer	S15	2940	-0.272	0.074	2.2	0.3352	0.0000	OK
5760 minute summer	S75	2940	-0.274	0.088	3.9	0.2237	0.0000	OK
5760 minute summer	S87	2940	-0.262	0.024	0.4	0.0776	0.0000	OK
5760 minute summer	S88	2940	-0.270	0.038	0.8	0.1233	0.0000	OK
5760 minute summer	S89	2940	-0.275	0.055	1.2	0.1782	0.0000	OK
5760 minute summer	S90	2940	-0.278	0.074	1.6	0.2367	0.0000	OK
5760 minute summer	S92	2940	-0.279	0.100	5.7	0.2534	0.0000	OK
5760 minute summer	S81	2940	-0.276	0.026	0.4	0.0831	0.0000	OK
5760 minute summer	S82	2940	-0.280	0.044	0.8	0.1414	0.0000	OK
5760 minute summer	S83	2940	-0.283	0.062	1.2	0.1994	0.0000	OK
5760 minute summer	S84	2940	-0.285	0.082	1.6	0.2603	0.0000	OK
5760 minute summer	S86	2940	-0.286	0.107	7.2	0.2720	0.0000	OK
5760 minute summer	S76	2940	-0.288	0.029	0.4	0.0919	0.0000	OK
5760 minute summer	S77	2940	-0.291	0.048	0.8	0.1549	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S26	1.000	S16	0.1	0.045	0.001	0.1986	
5760 minute summer	S25	2.000	S16	0.1	0.042	0.001	0.1596	
5760 minute summer	S16	1.001	S145	0.9	0.124	0.013	0.7153	
5760 minute summer	S145	1.002	S75	1.7	0.118	0.024	1.4792	
5760 minute summer	S4	3.000	S5	0.2	0.078	0.003	0.2143	
5760 minute summer	S5	3.001	S11	0.4	0.100	0.006	0.5886	
5760 minute summer	S9	4.000	S10	0.1	0.060	0.002	0.3316	
5760 minute summer	S10	4.001	S11	0.1	0.034	0.002	0.0895	
5760 minute summer	S11	3.002	S12	0.5	0.079	0.007	0.2240	
5760 minute summer	S12	3.003	S15	0.6	0.051	0.009	0.3581	
5760 minute summer	S1	5.000	S3	0.5	0.107	0.007	0.4583	
5760 minute summer	S3	5.001	S2	0.9	0.101	0.012	0.6133	
5760 minute summer	S2	5.002	S15	1.0	0.087	0.014	0.3370	
5760 minute summer	S14	6.000	S15	0.0	-0.002	0.000	0.8756	
5760 minute summer	S15	3.004	S75	2.2	0.120	0.030	0.6094	
5760 minute summer	S75	1.003	S92	4.0	0.172	0.056	0.8043	
5760 minute summer	S87	7.000	S88	0.4	0.090	0.006	0.2068	
5760 minute summer	S88	7.001	S89	0.8	0.107	0.011	0.3763	
5760 minute summer	S89	7.002	S90	1.2	0.114	0.017	0.6097	
5760 minute summer	S90	7.003	S92	1.6	0.087	0.022	1.1748	
5760 minute summer	S92	1.005	S86	5.7	0.209	0.080	0.7618	
5760 minute summer	S81	8.000	S82	0.4	0.082	0.006	0.2470	
5760 minute summer	S82	8.001	S83	0.8	0.105	0.011	0.4526	
5760 minute summer	S83	8.002	S84	1.2	0.104	0.017	0.7107	
5760 minute summer	S84	8.003	S86	1.6	0.075	0.022	1.2537	
5760 minute summer	S86	1.006	S30	7.2	0.243	0.102	0.8288	
5760 minute summer	S76	9.000	S77	0.4	0.079	0.006	0.2849	
5760 minute summer	S77	9.001	S78	0.8	0.103	0.011	0.5208	

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Results for 1 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S78	2940	-0.293	0.068	1.2	0.2188	0.0000	OK
5760 minute summer	S79	2940	-0.294	0.088	1.6	0.2775	0.0000	OK
5760 minute summer	S30	2940	-0.295	0.112	8.9	0.2849	0.0000	OK
5760 minute summer	S31	2940	-0.307	0.029	0.4	0.0975	0.0000	OK
5760 minute summer	S32	2940	-0.308	0.071	0.7	0.2187	0.0000	OK
5760 minute summer	S33	2940	-0.309	0.114	9.7	0.2913	0.0000	OK
5760 minute summer	S34	2940	-0.324	0.115	9.8	0.2029	0.0000	OK
5760 minute summer	S35	2940	-0.348	0.118	9.8	0.2091	0.0000	OK
5760 minute summer	S36	2940	-0.355	0.087	0.2	0.1545	0.0000	OK
5760 minute summer	S37	2940	-0.355	0.116	10.6	0.5724	0.0000	OK
5760 minute summer	S38	2940	-0.400	0.116	10.6	0.2049	0.0000	OK
5760 minute summer	S39	2940	-0.443	0.119	10.5	0.2111	0.0000	OK
5760 minute summer	S56	2940	-0.449	0.110	0.0	0.1947	0.0000	OK
5760 minute summer	S57	2940	-0.449	0.116	10.5	0.2957	0.0000	OK
5760 minute summer	S125	6780	-0.455	0.100	0.0	0.1774	0.0000	OK
5760 minute summer	S127	6900	-0.455	0.124	10.5	0.3163	0.0000	OK
5760 minute summer	S119	6900	-0.455	0.114	0.0	0.2020	0.0000	OK
5760 minute summer	S60	6720	-0.455	0.138	10.5	0.3520	0.0000	OK
5760 minute summer	Pond Inlet 1	6360	-0.455	0.155	10.5	0.2742	0.0000	OK
5760 minute summer	Pond Outlet	7080	-0.455	0.155	5.2	0.1755	0.0000	OK
5760 minute summer	S13	6660	-0.455	0.183	0.0	0.6347	0.0000	OK
5760 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S26	2580	0.509	0.009	0.1	0.0816	0.0000	OK
5760 minute summer	PP-S25	2580	0.507	0.007	0.1	0.0532	0.0000	OK
5760 minute summer	PP-S16	2940	0.509	0.009	0.2	0.0901	0.0000	OK
5760 minute summer	PP-S145	2820	0.508	0.008	0.2	0.0795	0.0000	OK
5760 minute summer	PP-S4	2940	0.510	0.010	0.2	0.1016	0.0000	OK
5760 minute summer	PP-S1	3000	0.513	0.013	0.4	1.4588	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S78	9.002	S79	1.2	0.102	0.017	0.7975	
5760 minute summer	S79	9.003	S30	1.6	0.068	0.022	1.2729	
5760 minute summer	S30	1.007	S33	8.9	0.285	0.125	0.9887	
5760 minute summer	S31	10.000	S32	0.4	0.083	0.006	0.8739	
5760 minute summer	S32	10.001	S33	0.8	0.046	0.011	2.0544	
5760 minute summer	S33	1.008	S34	9.6	0.303	0.137	1.0245	
5760 minute summer	S34	1.009	S35	9.8	0.302	0.138	1.7467	
5760 minute summer	S35	1.010	S37	9.8	0.299	0.148	0.3719	
5760 minute summer	S36	11.000	S37	0.2	0.011	0.003	1.5555	
5760 minute summer	S37	1.011	S38	10.6	0.327	0.150	2.9275	
5760 minute summer	S38	1.012	S39	10.5	0.320	0.148	2.9819	
5760 minute summer	S39	1.013	S57	10.5	0.319	0.166	0.2462	
5760 minute summer	S56	12.011	S57	0.0	-0.004	0.001	0.4065	
5760 minute summer	S57	1.014	S127	10.5	0.331	0.149	0.9212	
5760 minute summer	S125	21.003	S127	0.1	-0.009	0.001	1.5255	
5760 minute summer	S127	1.015	S60	10.5	0.349	0.147	1.0642	
5760 minute summer	S119	22.003	S60	0.1	-0.005	0.001	1.7985	
5760 minute summer	S60	1.016	Pond Inlet 1	10.5	0.428	0.138	1.3383	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	5.2	0.002	0.000	792.5105	
5760 minute summer	Pond Outlet	1.018	S13	0.0	0.024	0.001	0.2777	
5760 minute summer	S13	Pump	Final Outfall	0.0				0.0
5760 minute summer	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
5760 minute summer	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
5760 minute summer	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
5760 minute summer	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
5760 minute summer	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
5760 minute summer	PP-S1	4.000_1	S1	0.4	0.456	0.006	0.0044	

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Results for 1 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP-S5	2760	0.509	0.009	0.2	0.0941	0.0000	OK
5760 minute summer	PP-S12	2700	0.506	0.006	0.1	0.0530	0.0000	OK
5760 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S2	2580	0.506	0.006	0.1	0.0815	0.0000	OK
5760 minute summer	PP-S15	2580	0.506	0.006	0.1	0.0373	0.0000	OK
5760 minute summer	PP-S75	2640	0.506	0.006	0.1	0.0412	0.0000	OK
5760 minute summer	PP-S24	2760	0.508	0.008	0.2	0.0829	0.0000	OK
5760 minute summer	PP-S30	2640	0.505	0.005	0.1	0.0392	0.0000	OK
5760 minute summer	PP-S33	2520	0.505	0.005	0.1	0.0325	0.0000	OK
5760 minute summer	PP-S34	2820	0.507	0.007	0.2	0.0793	0.0000	OK
5760 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S36	2940	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
5760 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
5760 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute summer	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
5760 minute summer	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
5760 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
5760 minute summer	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
5760 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
5760 minute summer	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
5760 minute summer	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
5760 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
5760 minute summer	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 1 year 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	S26	2400	-0.225	0.013	0.1	0.0227	0.0000	OK
5760 minute winter	S25	2460	-0.231	0.013	0.1	0.0328	0.0000	OK
5760 minute winter	S16	2580	-0.238	0.029	0.6	0.1287	0.0000	OK
5760 minute winter	S145	2940	-0.275	0.040	1.2	0.1727	0.0000	OK
5760 minute winter	S4	2100	-0.230	0.013	0.1	0.0228	0.0000	OK
5760 minute winter	S5	2760	-0.263	0.021	0.3	0.0371	0.0000	OK
5760 minute winter	S9	2940	-0.281	0.015	0.1	0.0342	0.0000	OK
5760 minute winter	S10	2940	-0.282	0.039	0.1	0.0688	0.0000	OK
5760 minute winter	S11	2940	-0.282	0.044	0.4	0.0776	0.0000	OK
5760 minute winter	S12	2940	-0.283	0.052	0.5	0.0927	0.0000	OK
5760 minute winter	S1	3240	-0.240	0.024	0.4	0.0564	0.0000	OK
5760 minute winter	S3	2940	-0.275	0.032	0.7	0.1019	0.0000	OK
5760 minute winter	S2	2940	-0.282	0.054	0.8	0.0954	0.0000	OK
5760 minute winter	S14	2940	-0.283	0.026	0.0	0.0460	0.0000	OK
5760 minute winter	S15	2940	-0.283	0.063	1.8	0.2837	0.0000	OK
5760 minute winter	S75	2940	-0.286	0.076	3.1	0.1924	0.0000	OK
5760 minute winter	S87	2820	-0.265	0.021	0.3	0.0681	0.0000	OK
5760 minute winter	S88	2940	-0.279	0.029	0.6	0.0953	0.0000	OK
5760 minute winter	S89	2940	-0.287	0.043	0.9	0.1402	0.0000	OK
5760 minute winter	S90	2940	-0.290	0.062	1.2	0.1961	0.0000	OK
5760 minute winter	S92	2940	-0.292	0.087	4.5	0.2205	0.0000	OK
5760 minute winter	S81	2820	-0.281	0.021	0.3	0.0678	0.0000	OK
5760 minute winter	S82	2940	-0.291	0.033	0.6	0.1063	0.0000	OK
5760 minute winter	S83	2940	-0.296	0.049	0.9	0.1582	0.0000	OK
5760 minute winter	S84	2940	-0.298	0.069	1.2	0.2181	0.0000	OK
5760 minute winter	S86	2940	-0.299	0.094	5.7	0.2380	0.0000	OK
5760 minute winter	S76	2820	-0.296	0.021	0.3	0.0675	0.0000	OK
5760 minute winter	S77	2940	-0.303	0.036	0.6	0.1158	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S26	1.000	S16	0.1	0.047	0.001	0.1586	
5760 minute winter	S25	2.000	S16	0.1	0.042	0.001	0.1266	
5760 minute winter	S16	1.001	S145	0.6	0.112	0.008	0.5270	
5760 minute winter	S145	1.002	S75	1.2	0.111	0.017	1.1550	
5760 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1586	
5760 minute winter	S5	3.001	S11	0.3	0.100	0.004	0.4351	
5760 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.2066	
5760 minute winter	S10	4.001	S11	0.1	0.038	0.001	0.0631	
5760 minute winter	S11	3.002	S12	0.4	0.086	0.006	0.1649	
5760 minute winter	S12	3.003	S15	0.5	0.058	0.008	0.2758	
5760 minute winter	S1	5.000	S3	0.4	0.107	0.006	0.3460	
5760 minute winter	S3	5.001	S2	0.7	0.104	0.010	0.4530	
5760 minute winter	S2	5.002	S15	0.8	0.087	0.012	0.2607	
5760 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.6401	
5760 minute winter	S15	3.004	S75	1.8	0.122	0.025	0.4852	
5760 minute winter	S75	1.003	S92	3.1	0.170	0.043	0.6540	
5760 minute winter	S87	7.000	S88	0.3	0.088	0.004	0.1496	
5760 minute winter	S88	7.001	S89	0.6	0.107	0.008	0.2606	
5760 minute winter	S89	7.002	S90	0.9	0.110	0.013	0.4496	
5760 minute winter	S90	7.003	S92	1.2	0.091	0.017	0.9355	
5760 minute winter	S92	1.005	S86	4.5	0.200	0.063	0.6275	
5760 minute winter	S81	8.000	S82	0.3	0.083	0.004	0.1675	
5760 minute winter	S82	8.001	S83	0.6	0.103	0.009	0.3120	
5760 minute winter	S83	8.002	S84	0.9	0.103	0.013	0.5320	
5760 minute winter	S84	8.003	S86	1.2	0.077	0.017	1.0096	
5760 minute winter	S86	1.006	S30	5.7	0.231	0.080	0.6875	
5760 minute winter	S76	9.000	S77	0.3	0.078	0.004	0.1835	
5760 minute winter	S77	9.001	S78	0.6	0.096	0.008	0.3649	

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Results for 1 year 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	S78	2940	-0.306	0.055	0.9	0.1762	0.0000	OK
5760 minute winter	S79	2940	-0.308	0.074	1.2	0.2347	0.0000	OK
5760 minute winter	S30	2940	-0.309	0.098	7.0	0.2504	0.0000	OK
5760 minute winter	S31	2760	-0.315	0.021	0.3	0.0698	0.0000	OK
5760 minute winter	S32	2940	-0.322	0.057	0.5	0.1763	0.0000	OK
5760 minute winter	S33	2940	-0.322	0.101	7.6	0.2563	0.0000	OK
5760 minute winter	S34	2940	-0.338	0.101	7.7	0.1782	0.0000	OK
5760 minute winter	S35	2940	-0.362	0.104	7.7	0.1843	0.0000	OK
5760 minute winter	S36	3000	-0.368	0.074	0.1	0.1303	0.0000	OK
5760 minute winter	S37	3000	-0.368	0.103	8.3	0.5050	0.0000	OK
5760 minute winter	S38	3000	-0.414	0.102	8.3	0.1807	0.0000	OK
5760 minute winter	S39	6240	-0.427	0.135	8.3	0.2384	0.0000	OK
5760 minute winter	S56	6240	-0.427	0.132	0.0	0.2333	0.0000	OK
5760 minute winter	S57	6240	-0.427	0.138	8.3	0.3512	0.0000	OK
5760 minute winter	S125	6900	-0.427	0.128	0.0	0.2262	0.0000	OK
5760 minute winter	S127	6540	-0.427	0.152	8.3	0.3866	0.0000	OK
5760 minute winter	S119	7020	-0.427	0.142	0.1	0.2509	0.0000	OK
5760 minute winter	S60	6960	-0.427	0.166	8.3	0.4223	0.0000	OK
5760 minute winter	Pond Inlet 1	6840	-0.427	0.183	8.2	0.3231	0.0000	OK
5760 minute winter	Pond Outlet	7140	-0.427	0.183	4.1	0.2068	0.0000	OK
5760 minute winter	S13	6660	-0.427	0.211	0.1	0.7306	0.0000	OK
5760 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S26	2400	0.509	0.009	0.1	0.0816	0.0000	OK
5760 minute winter	PP-S25	2460	0.507	0.007	0.1	0.0532	0.0000	OK
5760 minute winter	PP-S16	1980	0.507	0.007	0.1	0.0509	0.0000	OK
5760 minute winter	PP-S145	1860	0.506	0.006	0.1	0.0456	0.0000	OK
5760 minute winter	PP-S4	2040	0.507	0.007	0.1	0.0582	0.0000	OK
5760 minute winter	PP-S1	3240	0.511	0.011	0.3	1.1277	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S78	9.002	S79	0.9	0.098	0.013	0.6084	
5760 minute winter	S79	9.003	S30	1.2	0.067	0.017	1.0346	
5760 minute winter	S30	1.007	S33	7.0	0.269	0.098	0.8235	
5760 minute winter	S31	10.000	S32	0.3	0.083	0.004	0.6156	
5760 minute winter	S32	10.001	S33	0.5	0.044	0.007	1.6424	
5760 minute winter	S33	1.008	S34	7.6	0.286	0.107	0.8534	
5760 minute winter	S34	1.009	S35	7.7	0.283	0.108	1.4577	
5760 minute winter	S35	1.010	S37	7.7	0.279	0.115	0.3113	
5760 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.2682	
5760 minute winter	S37	1.011	S38	8.3	0.305	0.117	2.4508	
5760 minute winter	S38	1.012	S39	8.3	0.297	0.116	2.8052	
5760 minute winter	S39	1.013	S57	8.3	0.294	0.131	0.3022	
5760 minute winter	S56	12.011	S57	0.0	-0.003	0.000	0.5204	
5760 minute winter	S57	1.014	S127	8.3	0.304	0.117	1.2373	
5760 minute winter	S125	21.003	S127	0.1	-0.005	0.001	2.0736	
5760 minute winter	S127	1.015	S60	8.3	0.316	0.116	1.3849	
5760 minute winter	S119	22.003	S60	-0.1	-0.004	-0.001	2.3638	
5760 minute winter	S60	1.016	Pond Inlet 1	8.2	0.386	0.109	1.6929	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	4.1	0.002	0.000	940.2762	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.029	0.001	0.3322	
5760 minute winter	S13	Pump	Final Outfall	0.0				0.0
5760 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
5760 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
5760 minute winter	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
5760 minute winter	PP-S145	4.000_2	S145	0.1	0.362	0.001	0.0014	
5760 minute winter	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
5760 minute winter	PP-S1	4.000_1	S1	0.3	0.420	0.005	0.0036	

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Results for 1 year 5760 minute winter. 7200 minute analysis at 60 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
5760 minute winter	PP-S5	2700	0.509	0.009	0.2	0.0941	0.0000	OK
5760 minute winter	PP-S12	2580	0.506	0.006	0.1	0.0530	0.0000	OK
5760 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S2	2340	0.506	0.006	0.1	0.0815	0.0000	OK
5760 minute winter	PP-S15	2460	0.506	0.006	0.1	0.0373	0.0000	OK
5760 minute winter	PP-S75	2460	0.506	0.006	0.1	0.0412	0.0000	OK
5760 minute winter	PP-S24	2700	0.508	0.008	0.2	0.0829	0.0000	OK
5760 minute winter	PP-S30	2580	0.505	0.005	0.1	0.0392	0.0000	OK
5760 minute winter	PP-S33	2340	0.505	0.005	0.1	0.0325	0.0000	OK
5760 minute winter	PP-S34	1860	0.505	0.005	0.1	0.0455	0.0000	OK
5760 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S36	2040	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
5760 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
5760 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
5760 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
5760 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
5760 minute winter	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
5760 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
5760 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
5760 minute winter	PP-S34	21.000_1	S34	0.1	0.454	0.001	0.0011	
5760 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
5760 minute winter	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S26	3240	-0.225	0.013	0.1	0.0227	0.0000	OK
7200 minute summer	S25	3300	-0.231	0.013	0.1	0.0328	0.0000	OK
7200 minute summer	S16	3660	-0.234	0.033	0.8	0.1465	0.0000	OK
7200 minute summer	S145	3660	-0.269	0.046	1.6	0.1976	0.0000	OK
7200 minute summer	S4	3060	-0.230	0.013	0.1	0.0228	0.0000	OK
7200 minute summer	S5	3540	-0.263	0.021	0.3	0.0371	0.0000	OK
7200 minute summer	S9	3660	-0.278	0.018	0.1	0.0415	0.0000	OK
7200 minute summer	S10	3660	-0.279	0.042	0.1	0.0751	0.0000	OK
7200 minute summer	S11	3660	-0.279	0.047	0.4	0.0839	0.0000	OK
7200 minute summer	S12	3660	-0.279	0.056	0.5	0.0992	0.0000	OK
7200 minute summer	S1	3660	-0.238	0.026	0.5	0.0612	0.0000	OK
7200 minute summer	S3	3660	-0.272	0.035	0.8	0.1113	0.0000	OK
7200 minute summer	S2	3660	-0.278	0.058	0.9	0.1020	0.0000	OK
7200 minute summer	S14	3660	-0.279	0.030	0.0	0.0527	0.0000	OK
7200 minute summer	S15	3660	-0.279	0.067	1.9	0.3007	0.0000	OK
7200 minute summer	S75	3660	-0.282	0.080	3.6	0.2034	0.0000	OK
7200 minute summer	S87	3480	-0.265	0.021	0.3	0.0681	0.0000	OK
7200 minute summer	S88	3720	-0.278	0.030	0.6	0.0988	0.0000	OK
7200 minute summer	S89	3660	-0.284	0.046	0.9	0.1488	0.0000	OK
7200 minute summer	S90	3660	-0.287	0.065	1.2	0.2072	0.0000	OK
7200 minute summer	S92	3660	-0.289	0.090	4.9	0.2302	0.0000	OK
7200 minute summer	S81	3480	-0.281	0.021	0.3	0.0678	0.0000	OK
7200 minute summer	S82	3720	-0.289	0.035	0.6	0.1125	0.0000	OK
7200 minute summer	S83	3720	-0.293	0.052	0.9	0.1678	0.0000	OK
7200 minute summer	S84	3660	-0.295	0.072	1.2	0.2289	0.0000	OK
7200 minute summer	S86	3660	-0.296	0.097	6.1	0.2471	0.0000	OK
7200 minute summer	S76	3720	-0.296	0.021	0.3	0.0678	0.0000	OK
7200 minute summer	S77	3720	-0.301	0.038	0.6	0.1241	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S26	1.000	S16	0.1	0.047	0.001	0.1859	
7200 minute summer	S25	2.000	S16	0.1	0.042	0.001	0.1483	
7200 minute summer	S16	1.001	S145	0.8	0.119	0.011	0.6448	
7200 minute summer	S145	1.002	S75	1.6	0.119	0.023	1.2971	
7200 minute summer	S4	3.000	S5	0.1	0.063	0.001	0.1586	
7200 minute summer	S5	3.001	S11	0.3	0.092	0.004	0.4744	
7200 minute summer	S9	4.000	S10	0.1	0.063	0.001	0.2436	
7200 minute summer	S10	4.001	S11	0.1	0.038	0.001	0.0712	
7200 minute summer	S11	3.002	S12	0.4	0.090	0.006	0.1833	
7200 minute summer	S12	3.003	S15	0.5	0.060	0.008	0.3021	
7200 minute summer	S1	5.000	S3	0.5	0.106	0.007	0.3937	
7200 minute summer	S3	5.001	S2	0.8	0.104	0.011	0.5048	
7200 minute summer	S2	5.002	S15	0.9	0.087	0.013	0.2852	
7200 minute summer	S14	6.000	S15	0.0	-0.003	0.000	0.7135	
7200 minute summer	S15	3.004	S75	1.9	0.121	0.026	0.5265	
7200 minute summer	S75	1.003	S92	3.5	0.170	0.050	0.7013	
7200 minute summer	S87	7.000	S88	0.3	0.088	0.004	0.1548	
7200 minute summer	S88	7.001	S89	0.6	0.108	0.008	0.2812	
7200 minute summer	S89	7.002	S90	0.9	0.110	0.013	0.4886	
7200 minute summer	S90	7.003	S92	1.2	0.087	0.017	1.0023	
7200 minute summer	S92	1.005	S86	4.9	0.207	0.069	0.6646	
7200 minute summer	S81	8.000	S82	0.3	0.085	0.004	0.1775	
7200 minute summer	S82	8.001	S83	0.6	0.103	0.009	0.3406	
7200 minute summer	S83	8.002	S84	0.9	0.104	0.013	0.5747	
7200 minute summer	S84	8.003	S86	1.2	0.075	0.017	1.0722	
7200 minute summer	S86	1.006	S30	6.1	0.236	0.086	0.7243	
7200 minute summer	S76	9.000	S77	0.3	0.080	0.004	0.1972	
7200 minute summer	S77	9.001	S78	0.6	0.095	0.008	0.3985	

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Results for 1 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S78	3720	-0.303	0.058	0.9	0.1865	0.0000	OK
7200 minute summer	S79	3720	-0.304	0.078	1.2	0.2457	0.0000	OK
7200 minute summer	S30	3720	-0.305	0.102	7.4	0.2595	0.0000	OK
7200 minute summer	S31	3480	-0.315	0.021	0.3	0.0698	0.0000	OK
7200 minute summer	S32	3720	-0.318	0.061	0.6	0.1889	0.0000	OK
7200 minute summer	S33	3720	-0.318	0.105	8.1	0.2665	0.0000	OK
7200 minute summer	S34	3720	-0.334	0.105	8.3	0.1859	0.0000	OK
7200 minute summer	S35	3660	-0.357	0.109	8.3	0.1921	0.0000	OK
7200 minute summer	S36	3660	-0.364	0.078	0.1	0.1379	0.0000	OK
7200 minute summer	S37	3660	-0.364	0.107	9.0	0.5263	0.0000	OK
7200 minute summer	S38	3660	-0.409	0.107	9.0	0.1883	0.0000	OK
7200 minute summer	S39	7920	-0.449	0.113	9.0	0.2001	0.0000	OK
7200 minute summer	S56	8640	-0.449	0.110	0.0	0.1948	0.0000	OK
7200 minute summer	S57	7920	-0.449	0.116	9.0	0.2958	0.0000	OK
7200 minute summer	S125	8160	-0.449	0.106	0.0	0.1878	0.0000	OK
7200 minute summer	S127	8340	-0.449	0.130	9.0	0.3315	0.0000	OK
7200 minute summer	S119	7380	-0.449	0.120	0.0	0.2125	0.0000	OK
7200 minute summer	S60	8340	-0.449	0.144	9.0	0.3671	0.0000	OK
7200 minute summer	Pond Inlet 1	8280	-0.449	0.161	8.9	0.2847	0.0000	OK
7200 minute summer	Pond Outlet	8580	-0.449	0.161	4.5	0.1822	0.0000	OK
7200 minute summer	S13	6960	-0.449	0.189	0.0	0.6554	0.0000	OK
7200 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S26	3240	0.509	0.009	0.1	0.0816	0.0000	OK
7200 minute summer	PP-S25	3300	0.507	0.007	0.1	0.0532	0.0000	OK
7200 minute summer	PP-S16	3660	0.509	0.009	0.2	0.0901	0.0000	OK
7200 minute summer	PP-S145	3600	0.508	0.008	0.2	0.0795	0.0000	OK
7200 minute summer	PP-S4	3000	0.507	0.007	0.1	0.0582	0.0000	OK
7200 minute summer	PP-S1	3660	0.512	0.012	0.4	1.3931	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S78	9.002	S79	0.9	0.102	0.013	0.6539	
7200 minute summer	S79	9.003	S30	1.2	0.068	0.017	1.0953	
7200 minute summer	S30	1.007	S33	7.4	0.270	0.104	0.8687	
7200 minute summer	S31	10.000	S32	0.3	0.083	0.004	0.6687	
7200 minute summer	S32	10.001	S33	0.6	0.042	0.009	1.7606	
7200 minute summer	S33	1.008	S34	8.1	0.289	0.115	0.9040	
7200 minute summer	S34	1.009	S35	8.3	0.289	0.117	1.5449	
7200 minute summer	S35	1.010	S37	8.3	0.286	0.125	0.3300	
7200 minute summer	S36	11.000	S37	0.1	0.011	0.002	1.3569	
7200 minute summer	S37	1.011	S38	9.0	0.312	0.127	2.5986	
7200 minute summer	S38	1.012	S39	9.0	0.305	0.125	2.6564	
7200 minute summer	S39	1.013	S57	9.0	0.303	0.141	0.2371	
7200 minute summer	S56	12.011	S57	0.0	-0.003	0.001	0.4068	
7200 minute summer	S57	1.014	S127	9.0	0.314	0.127	0.9874	
7200 minute summer	S125	21.003	S127	0.0	-0.009	0.001	1.6400	
7200 minute summer	S127	1.015	S60	9.0	0.330	0.126	1.1319	
7200 minute summer	S119	22.003	S60	0.0	-0.005	-0.001	1.9170	
7200 minute summer	S60	1.016	Pond Inlet 1	8.9	0.406	0.118	1.4134	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.5	0.002	0.000	824.2745	
7200 minute summer	Pond Outlet	1.018	S13	0.0	0.019	-0.001	0.2896	
7200 minute summer	S13	Pump	Final Outfall	0.0				0.0
7200 minute summer	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
7200 minute summer	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
7200 minute summer	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
7200 minute summer	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
7200 minute summer	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
7200 minute summer	PP-S1	4.000_1	S1	0.4	0.450	0.006	0.0042	

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Results for 1 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	PP-S5	3480	0.509	0.009	0.2	0.0941	0.0000	OK
7200 minute summer	PP-S12	3420	0.506	0.006	0.1	0.0530	0.0000	OK
7200 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S2	3240	0.506	0.006	0.1	0.0815	0.0000	OK
7200 minute summer	PP-S15	3300	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute summer	PP-S75	3360	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute summer	PP-S24	3480	0.508	0.008	0.2	0.0829	0.0000	OK
7200 minute summer	PP-S30	3420	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute summer	PP-S33	3180	0.505	0.005	0.1	0.0325	0.0000	OK
7200 minute summer	PP-S34	3600	0.507	0.007	0.2	0.0793	0.0000	OK
7200 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S36	3000	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
7200 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
7200 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute summer	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
7200 minute summer	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
7200 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
7200 minute summer	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
7200 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
7200 minute summer	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
7200 minute summer	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
7200 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
7200 minute summer	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 7200 minute winter. 8640 minute analysis at 60 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
7200 minute winter	S26	3060	-0.225	0.013	0.1	0.0227	0.0000	OK
7200 minute winter	S25	3180	-0.231	0.013	0.1	0.0328	0.0000	OK
7200 minute winter	S16	3420	-0.238	0.029	0.6	0.1287	0.0000	OK
7200 minute winter	S145	3420	-0.277	0.038	1.1	0.1657	0.0000	OK
7200 minute winter	S4	2700	-0.230	0.013	0.1	0.0228	0.0000	OK
7200 minute winter	S5	3660	-0.263	0.021	0.3	0.0371	0.0000	OK
7200 minute winter	S9	2820	-0.283	0.013	0.1	0.0297	0.0000	OK
7200 minute winter	S10	3660	-0.289	0.032	0.1	0.0573	0.0000	OK
7200 minute winter	S11	3660	-0.289	0.037	0.4	0.0660	0.0000	OK
7200 minute winter	S12	3660	-0.289	0.046	0.5	0.0804	0.0000	OK
7200 minute winter	S1	3720	-0.240	0.024	0.4	0.0562	0.0000	OK
7200 minute winter	S3	3720	-0.278	0.029	0.6	0.0929	0.0000	OK
7200 minute winter	S2	3660	-0.289	0.047	0.7	0.0831	0.0000	OK
7200 minute winter	S14	3660	-0.290	0.019	0.0	0.0332	0.0000	OK
7200 minute winter	S15	3660	-0.290	0.056	1.6	0.2511	0.0000	OK
7200 minute winter	S75	3660	-0.295	0.067	2.8	0.1716	0.0000	OK
7200 minute winter	S87	2880	-0.268	0.018	0.2	0.0568	0.0000	OK
7200 minute winter	S88	2940	-0.284	0.024	0.4	0.0780	0.0000	OK
7200 minute winter	S89	3660	-0.297	0.033	0.6	0.1078	0.0000	OK
7200 minute winter	S90	3660	-0.301	0.051	0.8	0.1630	0.0000	OK
7200 minute winter	S92	3660	-0.302	0.077	3.8	0.1951	0.0000	OK
7200 minute winter	S81	2880	-0.284	0.018	0.2	0.0565	0.0000	OK
7200 minute winter	S82	2940	-0.300	0.024	0.4	0.0785	0.0000	OK
7200 minute winter	S83	3660	-0.307	0.038	0.6	0.1219	0.0000	OK
7200 minute winter	S84	3660	-0.310	0.057	0.8	0.1818	0.0000	OK
7200 minute winter	S86	3660	-0.311	0.082	4.6	0.2094	0.0000	OK
7200 minute winter	S76	2880	-0.299	0.018	0.2	0.0563	0.0000	OK
7200 minute winter	S77	3720	-0.314	0.025	0.4	0.0820	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S26	1.000	S16	0.1	0.047	0.001	0.1586	
7200 minute winter	S25	2.000	S16	0.1	0.043	0.001	0.1266	
7200 minute winter	S16	1.001	S145	0.6	0.112	0.008	0.5081	
7200 minute winter	S145	1.002	S75	1.1	0.111	0.016	1.0093	
7200 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1586	
7200 minute winter	S5	3.001	S11	0.3	0.101	0.004	0.3650	
7200 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.1592	
7200 minute winter	S10	4.001	S11	0.1	0.038	0.001	0.0489	
7200 minute winter	S11	3.002	S12	0.4	0.086	0.006	0.1319	
7200 minute winter	S12	3.003	S15	0.5	0.057	0.007	0.2276	
7200 minute winter	S1	5.000	S3	0.4	0.107	0.006	0.3175	
7200 minute winter	S3	5.001	S2	0.6	0.104	0.008	0.3755	
7200 minute winter	S2	5.002	S15	0.7	0.087	0.010	0.2155	
7200 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.5032	
7200 minute winter	S15	3.004	S75	1.6	0.122	0.022	0.4087	
7200 minute winter	S75	1.003	S92	2.8	0.171	0.039	0.5506	
7200 minute winter	S87	7.000	S88	0.2	0.078	0.003	0.1121	
7200 minute winter	S88	7.001	S89	0.4	0.107	0.006	0.1830	
7200 minute winter	S89	7.002	S90	0.6	0.110	0.008	0.3283	
7200 minute winter	S90	7.003	S92	0.8	0.088	0.012	0.7570	
7200 minute winter	S92	1.005	S86	3.8	0.200	0.053	0.5239	
7200 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1132	
7200 minute winter	S82	8.001	S83	0.4	0.103	0.006	0.2076	
7200 minute winter	S83	8.002	S84	0.6	0.104	0.008	0.3907	
7200 minute winter	S84	8.003	S86	0.8	0.075	0.011	0.8146	
7200 minute winter	S86	1.006	S30	4.6	0.222	0.064	0.5724	
7200 minute winter	S76	9.000	S77	0.2	0.078	0.003	0.1185	
7200 minute winter	S77	9.001	S78	0.4	0.096	0.006	0.2414	

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Results for 1 year 7200 minute winter. 8640 minute analysis at 60 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
7200 minute winter	S78	3660	-0.318	0.043	0.6	0.1378	0.0000	OK
7200 minute winter	S79	3660	-0.320	0.062	0.8	0.1967	0.0000	OK
7200 minute winter	S30	3660	-0.320	0.087	5.5	0.2203	0.0000	OK
7200 minute winter	S31	2820	-0.318	0.018	0.2	0.0582	0.0000	OK
7200 minute winter	S32	3660	-0.334	0.045	0.4	0.1402	0.0000	OK
7200 minute winter	S33	3660	-0.334	0.089	5.9	0.2263	0.0000	OK
7200 minute winter	S34	3660	-0.350	0.089	6.0	0.1574	0.0000	OK
7200 minute winter	S35	3720	-0.373	0.093	6.0	0.1636	0.0000	OK
7200 minute winter	S36	3720	-0.380	0.062	0.1	0.1101	0.0000	OK
7200 minute winter	S37	3720	-0.380	0.091	6.5	0.4489	0.0000	OK
7200 minute winter	S38	7920	-0.420	0.096	6.5	0.1698	0.0000	OK
7200 minute winter	S39	7500	-0.420	0.142	6.5	0.2511	0.0000	OK
7200 minute winter	S56	7500	-0.420	0.139	0.0	0.2459	0.0000	OK
7200 minute winter	S57	7500	-0.420	0.145	6.5	0.3693	0.0000	OK
7200 minute winter	S125	8040	-0.420	0.135	0.0	0.2387	0.0000	OK
7200 minute winter	S127	7800	-0.420	0.159	6.5	0.4049	0.0000	OK
7200 minute winter	S119	7920	-0.420	0.149	0.2	0.2635	0.0000	OK
7200 minute winter	S60	7500	-0.420	0.173	6.5	0.4405	0.0000	OK
7200 minute winter	Pond Inlet 1	8400	-0.420	0.190	6.5	0.3357	0.0000	OK
7200 minute winter	Pond Outlet	8220	-0.420	0.190	3.3	0.2149	0.0000	OK
7200 minute winter	S13	7560	-0.420	0.218	0.0	0.7554	0.0000	OK
7200 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S26	3060	0.509	0.009	0.1	0.0816	0.0000	OK
7200 minute winter	PP-S25	3180	0.507	0.007	0.1	0.0532	0.0000	OK
7200 minute winter	PP-S16	2520	0.507	0.007	0.1	0.0509	0.0000	OK
7200 minute winter	PP-S145	2400	0.506	0.006	0.1	0.0456	0.0000	OK
7200 minute winter	PP-S4	2640	0.507	0.007	0.1	0.0582	0.0000	OK
7200 minute winter	PP-S1	3720	0.511	0.011	0.3	1.1195	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S78	9.002	S79	0.6	0.102	0.009	0.4522	
7200 minute winter	S79	9.003	S30	0.8	0.068	0.011	0.8372	
7200 minute winter	S30	1.007	S33	5.5	0.251	0.077	0.6875	
7200 minute winter	S31	10.000	S32	0.2	0.088	0.003	0.4434	
7200 minute winter	S32	10.001	S33	0.4	0.044	0.006	1.3122	
7200 minute winter	S33	1.008	S34	5.9	0.268	0.084	0.7142	
7200 minute winter	S34	1.009	S35	6.0	0.265	0.085	1.2253	
7200 minute winter	S35	1.010	S37	6.0	0.260	0.091	0.2630	
7200 minute winter	S36	11.000	S37	0.1	0.011	0.002	1.0419	
7200 minute winter	S37	1.011	S38	6.5	0.286	0.093	2.0667	
7200 minute winter	S38	1.012	S39	6.5	0.277	0.092	3.0559	
7200 minute winter	S39	1.013	S57	6.5	0.273	0.103	0.3244	
7200 minute winter	S56	12.011	S57	0.0	-0.003	0.001	0.5590	
7200 minute winter	S57	1.014	S127	6.5	0.281	0.093	1.3223	
7200 minute winter	S125	21.003	S127	0.1	-0.011	0.001	2.2207	
7200 minute winter	S127	1.015	S60	6.5	0.292	0.092	1.4705	
7200 minute winter	S119	22.003	S60	0.2	-0.009	0.003	2.5143	
7200 minute winter	S60	1.016	Pond Inlet 1	6.5	0.369	0.086	1.7864	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	3.3	0.002	0.000	978.4159	
7200 minute winter	Pond Outlet	1.018	S13	0.0	0.027	0.001	0.3458	
7200 minute winter	S13	Pump	Final Outfall	0.0				0.0
7200 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
7200 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
7200 minute winter	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
7200 minute winter	PP-S145	4.000_2	S145	0.1	0.362	0.001	0.0014	
7200 minute winter	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
7200 minute winter	PP-S1	4.000_1	S1	0.3	0.419	0.004	0.0035	

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Results for 1 year 7200 minute winter. 8640 minute analysis at 60 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
7200 minute winter	PP-S5	3660	0.509	0.009	0.2	0.0941	0.0000	OK
7200 minute winter	PP-S12	3420	0.506	0.006	0.1	0.0530	0.0000	OK
7200 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S2	3000	0.506	0.006	0.1	0.0815	0.0000	OK
7200 minute winter	PP-S15	3180	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute winter	PP-S75	3240	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute winter	PP-S24	3660	0.508	0.008	0.2	0.0829	0.0000	OK
7200 minute winter	PP-S30	3360	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute winter	PP-S33	3060	0.505	0.005	0.1	0.0325	0.0000	OK
7200 minute winter	PP-S34	2400	0.505	0.005	0.1	0.0455	0.0000	OK
7200 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S36	2640	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
7200 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
7200 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
7200 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
7200 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
7200 minute winter	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
7200 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
7200 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
7200 minute winter	PP-S34	21.000_1	S34	0.1	0.454	0.001	0.0011	
7200 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S26	3960	-0.225	0.013	0.1	0.0227	0.0000	OK
8640 minute summer	S25	4020	-0.231	0.013	0.1	0.0328	0.0000	OK
8640 minute summer	S16	4380	-0.236	0.031	0.7	0.1380	0.0000	OK
8640 minute summer	S145	4380	-0.272	0.043	1.4	0.1855	0.0000	OK
8640 minute summer	S4	3660	-0.230	0.013	0.1	0.0228	0.0000	OK
8640 minute summer	S5	4320	-0.263	0.021	0.3	0.0371	0.0000	OK
8640 minute summer	S9	4380	-0.280	0.016	0.1	0.0374	0.0000	OK
8640 minute summer	S10	4380	-0.280	0.041	0.1	0.0716	0.0000	OK
8640 minute summer	S11	4380	-0.281	0.045	0.4	0.0804	0.0000	OK
8640 minute summer	S12	4380	-0.281	0.054	0.5	0.0956	0.0000	OK
8640 minute summer	S1	4620	-0.240	0.024	0.4	0.0564	0.0000	OK
8640 minute summer	S3	4380	-0.274	0.033	0.7	0.1045	0.0000	OK
8640 minute summer	S2	4380	-0.280	0.056	0.8	0.0982	0.0000	OK
8640 minute summer	S14	4380	-0.281	0.028	0.0	0.0490	0.0000	OK
8640 minute summer	S15	4380	-0.281	0.065	1.8	0.2913	0.0000	OK
8640 minute summer	S75	4380	-0.284	0.078	3.3	0.1976	0.0000	OK
8640 minute summer	S87	4260	-0.265	0.021	0.3	0.0681	0.0000	OK
8640 minute summer	S88	4380	-0.278	0.030	0.6	0.0968	0.0000	OK
8640 minute summer	S89	4380	-0.285	0.045	0.9	0.1443	0.0000	OK
8640 minute summer	S90	4380	-0.289	0.063	1.2	0.2015	0.0000	OK
8640 minute summer	S92	4380	-0.290	0.089	4.7	0.2253	0.0000	OK
8640 minute summer	S81	4260	-0.281	0.021	0.3	0.0678	0.0000	OK
8640 minute summer	S82	4440	-0.290	0.034	0.6	0.1093	0.0000	OK
8640 minute summer	S83	4380	-0.295	0.050	0.9	0.1630	0.0000	OK
8640 minute summer	S84	4380	-0.297	0.070	1.2	0.2236	0.0000	OK
8640 minute summer	S86	4380	-0.298	0.095	5.9	0.2426	0.0000	OK
8640 minute summer	S76	4260	-0.296	0.021	0.3	0.0675	0.0000	OK
8640 minute summer	S77	4440	-0.302	0.037	0.6	0.1201	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S26	1.000	S16	0.1	0.047	0.001	0.1726	
8640 minute summer	S25	2.000	S16	0.1	0.042	0.001	0.1377	
8640 minute summer	S16	1.001	S145	0.7	0.116	0.010	0.5874	
8640 minute summer	S145	1.002	S75	1.4	0.111	0.020	1.2249	
8640 minute summer	S4	3.000	S5	0.1	0.063	0.001	0.1586	
8640 minute summer	S5	3.001	S11	0.3	0.101	0.004	0.4526	
8640 minute summer	S9	4.000	S10	0.1	0.059	0.001	0.2226	
8640 minute summer	S10	4.001	S11	0.1	0.035	0.002	0.0666	
8640 minute summer	S11	3.002	S12	0.4	0.085	0.006	0.1731	
8640 minute summer	S12	3.003	S15	0.6	0.054	0.008	0.2875	
8640 minute summer	S1	5.000	S3	0.4	0.107	0.006	0.3541	
8640 minute summer	S3	5.001	S2	0.7	0.103	0.010	0.4720	
8640 minute summer	S2	5.002	S15	0.8	0.087	0.012	0.2713	
8640 minute summer	S14	6.000	S15	0.0	-0.002	0.000	0.6726	
8640 minute summer	S15	3.004	S75	1.8	0.121	0.025	0.5041	
8640 minute summer	S75	1.003	S92	3.3	0.170	0.046	0.6765	
8640 minute summer	S87	7.000	S88	0.3	0.088	0.004	0.1516	
8640 minute summer	S88	7.001	S89	0.6	0.107	0.008	0.2701	
8640 minute summer	S89	7.002	S90	0.9	0.108	0.013	0.4685	
8640 minute summer	S90	7.003	S92	1.2	0.091	0.017	0.9679	
8640 minute summer	S92	1.005	S86	4.7	0.202	0.066	0.6459	
8640 minute summer	S81	8.000	S82	0.3	0.084	0.004	0.1723	
8640 minute summer	S82	8.001	S83	0.6	0.105	0.009	0.3259	
8640 minute summer	S83	8.002	S84	0.9	0.104	0.013	0.5534	
8640 minute summer	S84	8.003	S86	1.2	0.077	0.017	1.0415	
8640 minute summer	S86	1.006	S30	5.9	0.232	0.083	0.7067	
8640 minute summer	S76	9.000	S77	0.3	0.080	0.004	0.1904	
8640 minute summer	S77	9.001	S78	0.6	0.099	0.008	0.3825	

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Results for 1 year 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S78	4440	-0.304	0.057	0.9	0.1817	0.0000	OK
8640 minute summer	S79	4440	-0.306	0.076	1.2	0.2405	0.0000	OK
8640 minute summer	S30	4440	-0.307	0.100	7.2	0.2552	0.0000	OK
8640 minute summer	S31	4260	-0.315	0.021	0.3	0.0698	0.0000	OK
8640 minute summer	S32	4440	-0.319	0.060	0.6	0.1840	0.0000	OK
8640 minute summer	S33	4440	-0.320	0.103	7.9	0.2623	0.0000	OK
8640 minute summer	S34	4440	-0.335	0.104	8.1	0.1830	0.0000	OK
8640 minute summer	S35	4440	-0.359	0.107	8.1	0.1890	0.0000	OK
8640 minute summer	S36	4440	-0.366	0.076	0.1	0.1347	0.0000	OK
8640 minute summer	S37	4440	-0.366	0.105	8.7	0.5174	0.0000	OK
8640 minute summer	S38	4440	-0.411	0.105	8.7	0.1852	0.0000	OK
8640 minute summer	S39	9300	-0.442	0.120	8.7	0.2123	0.0000	OK
8640 minute summer	S56	8040	-0.442	0.117	0.0	0.2071	0.0000	OK
8640 minute summer	S57	9480	-0.442	0.123	8.7	0.3134	0.0000	OK
8640 minute summer	S125	8220	-0.442	0.113	0.0	0.2000	0.0000	OK
8640 minute summer	S127	8280	-0.442	0.137	8.7	0.3491	0.0000	OK
8640 minute summer	S119	9600	-0.442	0.127	0.0	0.2247	0.0000	OK
8640 minute summer	S60	8280	-0.442	0.151	8.7	0.3847	0.0000	OK
8640 minute summer	Pond Inlet 1	9600	-0.442	0.168	8.7	0.2969	0.0000	OK
8640 minute summer	Pond Outlet	9780	-0.442	0.168	4.3	0.1901	0.0000	OK
8640 minute summer	S13	9060	-0.442	0.196	0.0	0.6793	0.0000	OK
8640 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S26	3960	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute summer	PP-S25	4020	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute summer	PP-S16	3540	0.507	0.007	0.1	0.0509	0.0000	OK
8640 minute summer	PP-S145	4380	0.508	0.008	0.2	0.0795	0.0000	OK
8640 minute summer	PP-S4	3600	0.507	0.007	0.1	0.0582	0.0000	OK
8640 minute summer	PP-S1	4620	0.511	0.011	0.3	1.1277	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S78	9.002	S79	0.9	0.102	0.013	0.6325	
8640 minute summer	S79	9.003	S30	1.2	0.068	0.017	1.0667	
8640 minute summer	S30	1.007	S33	7.2	0.269	0.101	0.8489	
8640 minute summer	S31	10.000	S32	0.3	0.087	0.004	0.6470	
8640 minute summer	S32	10.001	S33	0.6	0.044	0.008	1.7121	
8640 minute summer	S33	1.008	S34	7.9	0.287	0.112	0.8840	
8640 minute summer	S34	1.009	S35	8.1	0.287	0.114	1.5115	
8640 minute summer	S35	1.010	S37	8.1	0.284	0.121	0.3224	
8640 minute summer	S36	11.000	S37	0.1	0.011	0.002	1.3197	
8640 minute summer	S37	1.011	S38	8.7	0.309	0.123	2.5374	
8640 minute summer	S38	1.012	S39	8.7	0.302	0.121	2.6004	
8640 minute summer	S39	1.013	S57	8.7	0.300	0.137	0.2574	
8640 minute summer	S56	12.011	S57	0.0	-0.003	0.000	0.4423	
8640 minute summer	S57	1.014	S127	8.7	0.310	0.123	1.0656	
8640 minute summer	S125	21.003	S127	0.0	-0.011	-0.001	1.7753	
8640 minute summer	S127	1.015	S60	8.7	0.325	0.122	1.2115	
8640 minute summer	S119	22.003	S60	0.0	-0.007	0.001	2.0576	
8640 minute summer	S60	1.016	Pond Inlet 1	8.7	0.381	0.114	1.5014	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.3	0.002	0.000	861.1531	
8640 minute summer	Pond Outlet	1.018	S13	0.0	0.023	-0.001	0.3033	
8640 minute summer	S13	Pump	Final Outfall	0.0				0.0
8640 minute summer	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
8640 minute summer	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
8640 minute summer	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
8640 minute summer	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
8640 minute summer	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
8640 minute summer	PP-S1	4.000_1	S1	0.3	0.420	0.005	0.0036	

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Results for 1 year 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP-S5	4260	0.509	0.009	0.2	0.0941	0.0000	OK
8640 minute summer	PP-S12	4140	0.506	0.006	0.1	0.0530	0.0000	OK
8640 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S2	3900	0.506	0.006	0.1	0.0815	0.0000	OK
8640 minute summer	PP-S15	4020	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute summer	PP-S75	4080	0.506	0.006	0.1	0.0412	0.0000	OK
8640 minute summer	PP-S24	4260	0.508	0.008	0.2	0.0829	0.0000	OK
8640 minute summer	PP-S30	4140	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute summer	PP-S33	3900	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute summer	PP-S34	4380	0.507	0.007	0.2	0.0793	0.0000	OK
8640 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S36	3600	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
8640 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
8640 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute summer	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
8640 minute summer	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
8640 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
8640 minute summer	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
8640 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
8640 minute summer	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
8640 minute summer	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
8640 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
8640 minute summer	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 8640 minute winter. 10080 minute analysis at 60 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
8640 minute winter	S26	3780	-0.225	0.013	0.1	0.0227	0.0000	OK
8640 minute winter	S25	4020	-0.231	0.013	0.1	0.0328	0.0000	OK
8640 minute winter	S16	4320	-0.238	0.029	0.6	0.1287	0.0000	OK
8640 minute winter	S145	4320	-0.277	0.038	1.1	0.1657	0.0000	OK
8640 minute winter	S4	3300	-0.230	0.013	0.1	0.0228	0.0000	OK
8640 minute winter	S5	3180	-0.266	0.018	0.2	0.0310	0.0000	OK
8640 minute winter	S9	3480	-0.283	0.013	0.1	0.0297	0.0000	OK
8640 minute winter	S10	4500	-0.293	0.028	0.1	0.0494	0.0000	OK
8640 minute winter	S11	4500	-0.293	0.033	0.3	0.0581	0.0000	OK
8640 minute winter	S12	4500	-0.294	0.041	0.3	0.0726	0.0000	OK
8640 minute winter	S1	4260	-0.243	0.021	0.3	0.0495	0.0000	OK
8640 minute winter	S3	4200	-0.280	0.027	0.5	0.0852	0.0000	OK
8640 minute winter	S2	4500	-0.293	0.043	0.6	0.0761	0.0000	OK
8640 minute winter	S14	4500	-0.294	0.015	0.0	0.0260	0.0000	OK
8640 minute winter	S15	4500	-0.294	0.052	1.3	0.2328	0.0000	OK
8640 minute winter	S75	4500	-0.298	0.064	2.5	0.1627	0.0000	OK
8640 minute winter	S87	3600	-0.268	0.018	0.2	0.0568	0.0000	OK
8640 minute winter	S88	3660	-0.284	0.024	0.4	0.0780	0.0000	OK
8640 minute winter	S89	4500	-0.299	0.031	0.6	0.1019	0.0000	OK
8640 minute winter	S90	4500	-0.304	0.048	0.8	0.1534	0.0000	OK
8640 minute winter	S92	4500	-0.306	0.073	3.4	0.1864	0.0000	OK
8640 minute winter	S81	3600	-0.284	0.018	0.2	0.0565	0.0000	OK
8640 minute winter	S82	3660	-0.300	0.024	0.4	0.0785	0.0000	OK
8640 minute winter	S83	4500	-0.309	0.036	0.6	0.1148	0.0000	OK
8640 minute winter	S84	4500	-0.313	0.054	0.8	0.1728	0.0000	OK
8640 minute winter	S86	4500	-0.314	0.079	4.2	0.2017	0.0000	OK
8640 minute winter	S76	3600	-0.299	0.018	0.2	0.0563	0.0000	OK
8640 minute winter	S77	4500	-0.315	0.024	0.4	0.0785	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S26	1.000	S16	0.1	0.047	0.001	0.1586	
8640 minute winter	S25	2.000	S16	0.1	0.043	0.001	0.1266	
8640 minute winter	S16	1.001	S145	0.6	0.116	0.008	0.5081	
8640 minute winter	S145	1.002	S75	1.1	0.111	0.016	0.9573	
8640 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1321	
8640 minute winter	S5	3.001	S11	0.2	0.101	0.003	0.2940	
8640 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.1339	
8640 minute winter	S10	4.001	S11	0.1	0.038	0.001	0.0399	
8640 minute winter	S11	3.002	S12	0.3	0.086	0.004	0.1116	
8640 minute winter	S12	3.003	S15	0.3	0.057	0.005	0.2001	
8640 minute winter	S1	5.000	S3	0.3	0.103	0.004	0.2720	
8640 minute winter	S3	5.001	S2	0.5	0.104	0.007	0.3315	
8640 minute winter	S2	5.002	S15	0.6	0.087	0.009	0.1912	
8640 minute winter	S14	6.000	S15	0.0	-0.003	0.000	0.4333	
8640 minute winter	S15	3.004	S75	1.3	0.122	0.018	0.3729	
8640 minute winter	S75	1.003	S92	2.5	0.165	0.035	0.5130	
8640 minute winter	S87	7.000	S88	0.2	0.078	0.003	0.1121	
8640 minute winter	S88	7.001	S89	0.4	0.107	0.006	0.1737	
8640 minute winter	S89	7.002	S90	0.6	0.107	0.008	0.3005	
8640 minute winter	S90	7.003	S92	0.8	0.088	0.012	0.7028	
8640 minute winter	S92	1.005	S86	3.4	0.192	0.048	0.4933	
8640 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1132	
8640 minute winter	S82	8.001	S83	0.4	0.103	0.006	0.1963	
8640 minute winter	S83	8.002	S84	0.6	0.104	0.008	0.3614	
8640 minute winter	S84	8.003	S86	0.8	0.075	0.011	0.7656	
8640 minute winter	S86	1.006	S30	4.2	0.216	0.059	0.5442	
8640 minute winter	S76	9.000	S77	0.2	0.078	0.003	0.1137	
8640 minute winter	S77	9.001	S78	0.4	0.095	0.006	0.2236	

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Results for 1 year 8640 minute winter. 10080 minute analysis at 60 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
8640 minute winter	S78	4500	-0.320	0.041	0.6	0.1306	0.0000	OK
8640 minute winter	S79	4500	-0.322	0.060	0.8	0.1885	0.0000	OK
8640 minute winter	S30	4500	-0.323	0.084	5.1	0.2132	0.0000	OK
8640 minute winter	S31	3540	-0.318	0.018	0.2	0.0582	0.0000	OK
8640 minute winter	S32	4500	-0.336	0.043	0.4	0.1325	0.0000	OK
8640 minute winter	S33	4500	-0.337	0.086	5.6	0.2197	0.0000	OK
8640 minute winter	S34	4500	-0.352	0.087	5.7	0.1530	0.0000	OK
8640 minute winter	S35	4440	-0.376	0.090	5.7	0.1593	0.0000	OK
8640 minute winter	S36	4440	-0.382	0.060	0.1	0.1059	0.0000	OK
8640 minute winter	S37	4440	-0.382	0.089	6.2	0.4372	0.0000	OK
8640 minute winter	S38	8940	-0.410	0.106	6.2	0.1881	0.0000	OK
8640 minute winter	S39	8640	-0.409	0.153	6.2	0.2695	0.0000	OK
8640 minute winter	S56	9120	-0.409	0.150	0.0	0.2642	0.0000	OK
8640 minute winter	S57	9120	-0.410	0.155	6.2	0.3957	0.0000	OK
8640 minute winter	S125	9240	-0.409	0.146	0.1	0.2572	0.0000	OK
8640 minute winter	S127	10020	-0.410	0.169	6.2	0.4312	0.0000	OK
8640 minute winter	S119	9120	-0.410	0.159	0.1	0.2818	0.0000	OK
8640 minute winter	S60	9780	-0.410	0.183	6.2	0.4669	0.0000	OK
8640 minute winter	Pond Inlet 1	8700	-0.410	0.200	6.2	0.3541	0.0000	OK
8640 minute winter	Pond Outlet	9180	-0.410	0.200	3.1	0.2266	0.0000	OK
8640 minute winter	S13	9360	-0.410	0.228	0.1	0.7913	0.0000	OK
8640 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S26	3780	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute winter	PP-S25	4020	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute winter	PP-S16	3120	0.507	0.007	0.1	0.0509	0.0000	OK
8640 minute winter	PP-S145	2940	0.506	0.006	0.1	0.0456	0.0000	OK
8640 minute winter	PP-S4	3240	0.507	0.007	0.1	0.0582	0.0000	OK
8640 minute winter	PP-S1	4260	0.509	0.009	0.2	0.7901	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S78	9.002	S79	0.6	0.102	0.009	0.4213	
8640 minute winter	S79	9.003	S30	0.8	0.068	0.011	0.7938	
8640 minute winter	S30	1.007	S33	5.1	0.246	0.072	0.6578	
8640 minute winter	S31	10.000	S32	0.2	0.084	0.003	0.4146	
8640 minute winter	S32	10.001	S33	0.4	0.044	0.006	1.2443	
8640 minute winter	S33	1.008	S34	5.6	0.264	0.079	0.6853	
8640 minute winter	S34	1.009	S35	5.7	0.260	0.080	1.1775	
8640 minute winter	S35	1.010	S37	5.7	0.255	0.086	0.2530	
8640 minute winter	S36	11.000	S37	0.1	0.011	0.002	0.9957	
8640 minute winter	S37	1.011	S38	6.2	0.282	0.088	1.9874	
8640 minute winter	S38	1.012	S39	6.2	0.273	0.087	3.4295	
8640 minute winter	S39	1.013	S57	6.2	0.267	0.098	0.3572	
8640 minute winter	S56	12.011	S57	0.0	-0.003	0.001	0.6159	
8640 minute winter	S57	1.014	S127	6.2	0.274	0.088	1.4471	
8640 minute winter	S125	21.003	S127	-0.1	-0.011	-0.001	2.4379	
8640 minute winter	S127	1.015	S60	6.2	0.282	0.087	1.5956	
8640 minute winter	S119	22.003	S60	-0.1	-0.008	-0.001	2.7366	
8640 minute winter	S60	1.016	Pond Inlet 1	6.2	0.346	0.081	1.9233	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	3.1	0.002	0.000	1034.3425	
8640 minute winter	Pond Outlet	1.018	S13	0.1	0.020	0.001	0.3650	
8640 minute winter	S13	Pump	Final Outfall	0.0				0.0
8640 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
8640 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
8640 minute winter	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
8640 minute winter	PP-S145	4.000_2	S145	0.1	0.362	0.001	0.0014	
8640 minute winter	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
8640 minute winter	PP-S1	4.000_1	S1	0.2	0.376	0.003	0.0027	

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Results for 1 year 8640 minute winter. 10080 minute analysis at 60 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
8640 minute winter	PP-S5	2760	0.506	0.006	0.1	0.0539	0.0000	OK
8640 minute winter	PP-S12	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S2	3660	0.506	0.006	0.1	0.0815	0.0000	OK
8640 minute winter	PP-S15	4020	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute winter	PP-S75	4080	0.506	0.006	0.1	0.0412	0.0000	OK
8640 minute winter	PP-S24	2760	0.506	0.006	0.1	0.0478	0.0000	OK
8640 minute winter	PP-S30	4320	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute winter	PP-S33	3840	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute winter	PP-S34	2940	0.505	0.005	0.1	0.0455	0.0000	OK
8640 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S36	3300	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP-S5	2.000_2	S5	0.1	0.331	0.001	0.0015	
8640 minute winter	PP-S12	8.000_1	S12	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
8640 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
8640 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
8640 minute winter	PP-S24	14.000_1	S92	0.1	0.413	0.001	0.0012	
8640 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
8640 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
8640 minute winter	PP-S34	21.000_1	S34	0.1	0.454	0.001	0.0011	
8640 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S26	4680	-0.225	0.013	0.1	0.0227	0.0000	OK
10080 minute summer	S25	4740	-0.231	0.013	0.1	0.0328	0.0000	OK
10080 minute summer	S16	4920	-0.238	0.029	0.6	0.1287	0.0000	OK
10080 minute summer	S145	5100	-0.275	0.040	1.2	0.1727	0.0000	OK
10080 minute summer	S4	4320	-0.230	0.013	0.1	0.0228	0.0000	OK
10080 minute summer	S5	5100	-0.263	0.021	0.3	0.0371	0.0000	OK
10080 minute summer	S9	5100	-0.281	0.015	0.1	0.0340	0.0000	OK
10080 minute summer	S10	5100	-0.282	0.039	0.1	0.0686	0.0000	OK
10080 minute summer	S11	5100	-0.282	0.044	0.4	0.0774	0.0000	OK
10080 minute summer	S12	5100	-0.283	0.052	0.5	0.0925	0.0000	OK
10080 minute summer	S1	5280	-0.240	0.024	0.4	0.0564	0.0000	OK
10080 minute summer	S3	5100	-0.275	0.032	0.7	0.1017	0.0000	OK
10080 minute summer	S2	5100	-0.282	0.054	0.8	0.0952	0.0000	OK
10080 minute summer	S14	5100	-0.283	0.026	0.0	0.0458	0.0000	OK
10080 minute summer	S15	5100	-0.283	0.063	1.8	0.2832	0.0000	OK
10080 minute summer	S75	5100	-0.287	0.075	3.1	0.1921	0.0000	OK
10080 minute summer	S87	5040	-0.265	0.021	0.3	0.0681	0.0000	OK
10080 minute summer	S88	5100	-0.279	0.029	0.6	0.0951	0.0000	OK
10080 minute summer	S89	5100	-0.287	0.043	0.9	0.1399	0.0000	OK
10080 minute summer	S90	5100	-0.291	0.061	1.2	0.1957	0.0000	OK
10080 minute summer	S92	5100	-0.292	0.087	4.5	0.2202	0.0000	OK
10080 minute summer	S81	5040	-0.281	0.021	0.3	0.0678	0.0000	OK
10080 minute summer	S82	5160	-0.291	0.033	0.6	0.1061	0.0000	OK
10080 minute summer	S83	5100	-0.296	0.049	0.9	0.1579	0.0000	OK
10080 minute summer	S84	5100	-0.298	0.069	1.2	0.2177	0.0000	OK
10080 minute summer	S86	5100	-0.300	0.093	5.7	0.2376	0.0000	OK
10080 minute summer	S76	5040	-0.296	0.021	0.3	0.0675	0.0000	OK
10080 minute summer	S77	5160	-0.303	0.036	0.6	0.1156	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S26	1.000	S16	0.1	0.047	0.001	0.1586	
10080 minute summer	S25	2.000	S16	0.1	0.043	0.001	0.1266	
10080 minute summer	S16	1.001	S145	0.6	0.112	0.008	0.5270	
10080 minute summer	S145	1.002	S75	1.2	0.111	0.017	1.1533	
10080 minute summer	S4	3.000	S5	0.1	0.063	0.001	0.1586	
10080 minute summer	S5	3.001	S11	0.3	0.101	0.004	0.4339	
10080 minute summer	S9	4.000	S10	0.1	0.061	0.001	0.2056	
10080 minute summer	S10	4.001	S11	0.1	0.038	0.001	0.0628	
10080 minute summer	S11	3.002	S12	0.4	0.086	0.006	0.1643	
10080 minute summer	S12	3.003	S15	0.5	0.057	0.008	0.2750	
10080 minute summer	S1	5.000	S3	0.4	0.107	0.006	0.3451	
10080 minute summer	S3	5.001	S2	0.7	0.104	0.010	0.4516	
10080 minute summer	S2	5.002	S15	0.8	0.087	0.012	0.2600	
10080 minute summer	S14	6.000	S15	0.0	-0.003	0.000	0.6380	
10080 minute summer	S15	3.004	S75	1.8	0.121	0.025	0.4841	
10080 minute summer	S75	1.003	S92	3.1	0.170	0.043	0.6527	
10080 minute summer	S87	7.000	S88	0.3	0.088	0.004	0.1494	
10080 minute summer	S88	7.001	S89	0.6	0.107	0.008	0.2600	
10080 minute summer	S89	7.002	S90	0.9	0.110	0.013	0.4483	
10080 minute summer	S90	7.003	S92	1.2	0.088	0.017	0.9334	
10080 minute summer	S92	1.005	S86	4.5	0.199	0.063	0.6263	
10080 minute summer	S81	8.000	S82	0.3	0.085	0.004	0.1672	
10080 minute summer	S82	8.001	S83	0.6	0.103	0.009	0.3110	
10080 minute summer	S83	8.002	S84	0.9	0.104	0.013	0.5305	
10080 minute summer	S84	8.003	S86	1.2	0.075	0.017	1.0074	
10080 minute summer	S86	1.006	S30	5.7	0.230	0.080	0.6862	
10080 minute summer	S76	9.000	S77	0.3	0.080	0.004	0.1833	
10080 minute summer	S77	9.001	S78	0.6	0.096	0.008	0.3640	

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Results for 1 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S78	5160	-0.306	0.055	0.9	0.1759	0.0000	OK
10080 minute summer	S79	5160	-0.308	0.074	1.2	0.2343	0.0000	OK
10080 minute summer	S30	5100	-0.309	0.098	7.0	0.2500	0.0000	OK
10080 minute summer	S31	5040	-0.315	0.021	0.3	0.0698	0.0000	OK
10080 minute summer	S32	5160	-0.322	0.057	0.5	0.1761	0.0000	OK
10080 minute summer	S33	5160	-0.322	0.101	7.6	0.2561	0.0000	OK
10080 minute summer	S34	5160	-0.338	0.101	7.7	0.1781	0.0000	OK
10080 minute summer	S35	5160	-0.362	0.104	7.7	0.1843	0.0000	OK
10080 minute summer	S36	5160	-0.368	0.074	0.1	0.1302	0.0000	OK
10080 minute summer	S37	5160	-0.368	0.103	8.3	0.5048	0.0000	OK
10080 minute summer	S38	5160	-0.414	0.102	8.3	0.1806	0.0000	OK
10080 minute summer	S39	9660	-0.436	0.126	8.3	0.2221	0.0000	OK
10080 minute summer	S56	10920	-0.436	0.123	0.0	0.2169	0.0000	OK
10080 minute summer	S57	10440	-0.436	0.129	8.3	0.3276	0.0000	OK
10080 minute summer	S125	9780	-0.436	0.119	0.1	0.2099	0.0000	OK
10080 minute summer	S127	10560	-0.436	0.143	8.3	0.3632	0.0000	OK
10080 minute summer	S119	10020	-0.436	0.133	0.1	0.2345	0.0000	OK
10080 minute summer	S60	11280	-0.436	0.157	8.3	0.3988	0.0000	OK
10080 minute summer	Pond Inlet 1	11280	-0.436	0.174	8.2	0.3068	0.0000	OK
10080 minute summer	Pond Outlet	11460	-0.436	0.174	4.2	0.1964	0.0000	OK
10080 minute summer	S13	11280	-0.436	0.202	0.0	0.6988	0.0000	OK
10080 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S26	4680	0.509	0.009	0.1	0.0816	0.0000	OK
10080 minute summer	PP-S25	4740	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute summer	PP-S16	4200	0.507	0.007	0.1	0.0509	0.0000	OK
10080 minute summer	PP-S145	4020	0.506	0.006	0.1	0.0456	0.0000	OK
10080 minute summer	PP-S4	4260	0.507	0.007	0.1	0.0582	0.0000	OK
10080 minute summer	PP-S1	5280	0.511	0.011	0.3	1.1276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S78	9.002	S79	0.9	0.102	0.013	0.6070	
10080 minute summer	S79	9.003	S30	1.2	0.068	0.017	1.0324	
10080 minute summer	S30	1.007	S33	7.0	0.269	0.098	0.8222	
10080 minute summer	S31	10.000	S32	0.3	0.088	0.004	0.6145	
10080 minute summer	S32	10.001	S33	0.6	0.044	0.008	1.6399	
10080 minute summer	S33	1.008	S34	7.6	0.286	0.107	0.8524	
10080 minute summer	S34	1.009	S35	7.7	0.283	0.108	1.4566	
10080 minute summer	S35	1.010	S37	7.7	0.279	0.115	0.3112	
10080 minute summer	S36	11.000	S37	0.1	0.011	0.002	1.2674	
10080 minute summer	S37	1.011	S38	8.3	0.305	0.117	2.4493	
10080 minute summer	S38	1.012	S39	8.3	0.298	0.116	2.5148	
10080 minute summer	S39	1.013	S57	8.3	0.295	0.130	0.2741	
10080 minute summer	S56	12.011	S57	0.0	-0.003	-0.001	0.4712	
10080 minute summer	S57	1.014	S127	8.3	0.305	0.117	1.1296	
10080 minute summer	S125	21.003	S127	-0.1	-0.011	-0.001	1.8866	
10080 minute summer	S127	1.015	S60	8.3	0.317	0.116	1.2763	
10080 minute summer	S119	22.003	S60	-0.1	-0.007	-0.001	2.1714	
10080 minute summer	S60	1.016	Pond Inlet 1	8.2	0.367	0.109	1.5731	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	4.1	0.002	0.000	890.9521	
10080 minute summer	Pond Outlet	1.018	S13	0.0	0.019	-0.001	0.3143	
10080 minute summer	S13	Pump	Final Outfall	0.0				0.0
10080 minute summer	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
10080 minute summer	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
10080 minute summer	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
10080 minute summer	PP-S145	4.000_2	S145	0.1	0.362	0.001	0.0014	
10080 minute summer	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
10080 minute summer	PP-S1	4.000_1	S1	0.3	0.420	0.005	0.0036	

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Results for 1 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	PP-S5	5040	0.509	0.009	0.2	0.0941	0.0000	OK
10080 minute summer	PP-S12	4920	0.506	0.006	0.1	0.0530	0.0000	OK
10080 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S2	4620	0.506	0.006	0.1	0.0815	0.0000	OK
10080 minute summer	PP-S15	4740	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute summer	PP-S75	4800	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute summer	PP-S24	5040	0.508	0.008	0.2	0.0829	0.0000	OK
10080 minute summer	PP-S30	4860	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute summer	PP-S33	4620	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute summer	PP-S34	4020	0.505	0.005	0.1	0.0455	0.0000	OK
10080 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S36	4260	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	PP-S5	2.000_2	S5	0.2	0.407	0.003	0.0025	
10080 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
10080 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
10080 minute summer	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
10080 minute summer	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
10080 minute summer	PP-S24	14.000_1	S92	0.2	0.511	0.002	0.0020	
10080 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
10080 minute summer	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
10080 minute summer	PP-S34	21.000_1	S34	0.1	0.454	0.001	0.0011	
10080 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 1 year 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S26	4560	-0.225	0.013	0.1	0.0227	0.0000	OK
10080 minute winter	S25	4920	-0.231	0.013	0.1	0.0328	0.0000	OK
10080 minute winter	S16	4980	-0.240	0.027	0.5	0.1178	0.0000	OK
10080 minute winter	S145	4980	-0.280	0.035	0.9	0.1509	0.0000	OK
10080 minute winter	S4	3960	-0.230	0.013	0.1	0.0228	0.0000	OK
10080 minute winter	S5	3840	-0.266	0.018	0.2	0.0310	0.0000	OK
10080 minute winter	S9	4200	-0.283	0.013	0.1	0.0297	0.0000	OK
10080 minute winter	S10	5160	-0.295	0.026	0.1	0.0467	0.0000	OK
10080 minute winter	S11	5160	-0.295	0.031	0.3	0.0553	0.0000	OK
10080 minute winter	S12	5160	-0.296	0.039	0.3	0.0695	0.0000	OK
10080 minute winter	S1	4980	-0.243	0.021	0.3	0.0495	0.0000	OK
10080 minute winter	S3	4920	-0.280	0.027	0.5	0.0852	0.0000	OK
10080 minute winter	S2	5160	-0.295	0.041	0.6	0.0732	0.0000	OK
10080 minute winter	S14	5160	-0.296	0.013	0.0	0.0228	0.0000	OK
10080 minute winter	S15	5160	-0.296	0.050	1.3	0.2247	0.0000	OK
10080 minute winter	S75	5160	-0.301	0.061	2.3	0.1564	0.0000	OK
10080 minute winter	S87	4320	-0.268	0.018	0.2	0.0568	0.0000	OK
10080 minute winter	S88	4380	-0.284	0.024	0.4	0.0780	0.0000	OK
10080 minute winter	S89	5160	-0.300	0.030	0.6	0.0986	0.0000	OK
10080 minute winter	S90	5160	-0.306	0.046	0.8	0.1472	0.0000	OK
10080 minute winter	S92	5160	-0.308	0.071	3.2	0.1806	0.0000	OK
10080 minute winter	S81	4320	-0.284	0.018	0.2	0.0565	0.0000	OK
10080 minute winter	S82	4380	-0.300	0.024	0.4	0.0785	0.0000	OK
10080 minute winter	S83	5160	-0.311	0.034	0.6	0.1100	0.0000	OK
10080 minute winter	S84	5160	-0.315	0.052	0.8	0.1662	0.0000	OK
10080 minute winter	S86	5160	-0.316	0.077	4.0	0.1959	0.0000	OK
10080 minute winter	S76	4320	-0.299	0.018	0.2	0.0563	0.0000	OK
10080 minute winter	S77	4380	-0.315	0.024	0.4	0.0773	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S26	1.000	S16	0.1	0.047	0.001	0.1441	
10080 minute winter	S25	2.000	S16	0.1	0.043	0.001	0.1150	
10080 minute winter	S16	1.001	S145	0.5	0.108	0.007	0.4453	
10080 minute winter	S145	1.002	S75	0.9	0.103	0.013	0.8813	
10080 minute winter	S4	3.000	S5	0.1	0.063	0.001	0.1321	
10080 minute winter	S5	3.001	S11	0.2	0.101	0.003	0.2783	
10080 minute winter	S9	4.000	S10	0.1	0.061	0.001	0.1258	
10080 minute winter	S10	4.001	S11	0.1	0.040	0.001	0.0369	
10080 minute winter	S11	3.002	S12	0.3	0.086	0.004	0.1039	
10080 minute winter	S12	3.003	S15	0.3	0.059	0.005	0.1886	
10080 minute winter	S1	5.000	S3	0.3	0.103	0.004	0.2720	
10080 minute winter	S3	5.001	S2	0.5	0.103	0.007	0.3190	
10080 minute winter	S2	5.002	S15	0.6	0.087	0.009	0.1808	
10080 minute winter	S14	6.000	S15	0.0	-0.002	0.000	0.4028	
10080 minute winter	S15	3.004	S75	1.3	0.120	0.018	0.3523	
10080 minute winter	S75	1.003	S92	2.3	0.159	0.032	0.4871	
10080 minute winter	S87	7.000	S88	0.2	0.078	0.003	0.1121	
10080 minute winter	S88	7.001	S89	0.4	0.107	0.006	0.1684	
10080 minute winter	S89	7.002	S90	0.6	0.109	0.008	0.2838	
10080 minute winter	S90	7.003	S92	0.8	0.091	0.012	0.6677	
10080 minute winter	S92	1.005	S86	3.2	0.189	0.045	0.4722	
10080 minute winter	S81	8.000	S82	0.2	0.078	0.003	0.1132	
10080 minute winter	S82	8.001	S83	0.4	0.103	0.006	0.1885	
10080 minute winter	S83	8.002	S84	0.6	0.104	0.008	0.3403	
10080 minute winter	S84	8.003	S86	0.8	0.078	0.011	0.7303	
10080 minute winter	S86	1.006	S30	4.0	0.214	0.056	0.5215	
10080 minute winter	S76	9.000	S77	0.2	0.078	0.003	0.1121	
10080 minute winter	S77	9.001	S78	0.4	0.096	0.006	0.2112	

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Results for 1 year 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S78	5160	-0.322	0.039	0.6	0.1243	0.0000	OK
10080 minute winter	S79	5160	-0.325	0.057	0.8	0.1810	0.0000	OK
10080 minute winter	S30	5160	-0.326	0.081	4.8	0.2069	0.0000	OK
10080 minute winter	S31	4200	-0.318	0.018	0.2	0.0582	0.0000	OK
10080 minute winter	S32	5160	-0.338	0.041	0.4	0.1253	0.0000	OK
10080 minute winter	S33	5160	-0.339	0.084	5.3	0.2135	0.0000	OK
10080 minute winter	S34	5160	-0.355	0.084	5.4	0.1486	0.0000	OK
10080 minute winter	S35	5160	-0.379	0.087	5.4	0.1543	0.0000	OK
10080 minute winter	S36	5160	-0.385	0.057	0.1	0.1008	0.0000	OK
10080 minute winter	S37	5160	-0.385	0.086	5.8	0.4230	0.0000	OK
10080 minute winter	S38	10380	-0.399	0.117	5.8	0.2071	0.0000	OK
10080 minute winter	S39	10500	-0.399	0.163	5.8	0.2884	0.0000	OK
10080 minute winter	S56	11400	-0.399	0.160	0.0	0.2831	0.0000	OK
10080 minute winter	S57	11280	-0.399	0.166	5.8	0.4229	0.0000	OK
10080 minute winter	S125	10680	-0.399	0.156	0.0	0.2761	0.0000	OK
10080 minute winter	S127	10740	-0.399	0.180	5.8	0.4586	0.0000	OK
10080 minute winter	S119	10320	-0.399	0.170	0.0	0.3008	0.0000	OK
10080 minute winter	S60	10020	-0.399	0.194	5.8	0.4942	0.0000	OK
10080 minute winter	Pond Inlet 1	11520	-0.399	0.211	5.7	0.3731	0.0000	OK
10080 minute winter	Pond Outlet	10440	-0.399	0.211	2.9	0.2388	0.0000	OK
10080 minute winter	S13	10440	-0.399	0.239	0.1	0.8286	0.0000	OK
10080 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S26	4560	0.509	0.009	0.1	0.0816	0.0000	OK
10080 minute winter	PP-S25	4920	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute winter	PP-S16	3720	0.507	0.007	0.1	0.0509	0.0000	OK
10080 minute winter	PP-S145	3540	0.506	0.006	0.1	0.0456	0.0000	OK
10080 minute winter	PP-S4	3900	0.507	0.007	0.1	0.0582	0.0000	OK
10080 minute winter	PP-S1	4980	0.509	0.009	0.2	0.7901	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S78	9.002	S79	0.6	0.102	0.009	0.3954	
10080 minute winter	S79	9.003	S30	0.8	0.069	0.011	0.7558	
10080 minute winter	S30	1.007	S33	4.8	0.241	0.067	0.6307	
10080 minute winter	S31	10.000	S32	0.2	0.088	0.003	0.3879	
10080 minute winter	S32	10.001	S33	0.4	0.039	0.006	1.1812	
10080 minute winter	S33	1.008	S34	5.3	0.260	0.075	0.6578	
10080 minute winter	S34	1.009	S35	5.4	0.257	0.076	1.1276	
10080 minute winter	S35	1.010	S37	5.4	0.253	0.081	0.2417	
10080 minute winter	S36	11.000	S37	0.1	0.011	0.002	0.9420	
10080 minute winter	S37	1.011	S38	5.8	0.277	0.082	2.2219	
10080 minute winter	S38	1.012	S39	5.8	0.265	0.081	3.8257	
10080 minute winter	S39	1.013	S57	5.8	0.259	0.091	0.3915	
10080 minute winter	S56	12.011	S57	0.0	-0.004	-0.001	0.6757	
10080 minute winter	S57	1.014	S127	5.8	0.267	0.082	1.5777	
10080 minute winter	S125	21.003	S127	0.1	-0.017	0.001	2.6664	
10080 minute winter	S127	1.015	S60	5.8	0.277	0.081	1.7261	
10080 minute winter	S119	22.003	S60	0.0	-0.013	-0.001	2.9674	
10080 minute winter	S60	1.016	Pond Inlet 1	5.7	0.326	0.076	2.0656	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	2.9	0.002	0.000	1092.8793	
10080 minute winter	Pond Outlet	1.018	S13	0.1	0.020	0.001	0.3842	
10080 minute winter	S13	Pump	Final Outfall	0.0				0.0
10080 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
10080 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
10080 minute winter	PP-S16	3.000_1	S16	0.1	0.311	0.001	0.0016	
10080 minute winter	PP-S145	4.000_2	S145	0.1	0.362	0.001	0.0014	
10080 minute winter	PP-S4	1.000_2	S4	0.1	0.289	0.002	0.0017	
10080 minute winter	PP-S1	4.000_1	S1	0.2	0.376	0.003	0.0027	

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Results for 1 year 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	PP-S5	3300	0.506	0.006	0.1	0.0539	0.0000	OK
10080 minute winter	PP-S12	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S2	4440	0.506	0.006	0.1	0.0815	0.0000	OK
10080 minute winter	PP-S15	4920	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute winter	PP-S75	5100	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute winter	PP-S24	3300	0.506	0.006	0.1	0.0478	0.0000	OK
10080 minute winter	PP-S30	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S33	4680	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute winter	PP-S34	3540	0.505	0.005	0.1	0.0455	0.0000	OK
10080 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S36	3900	0.505	0.005	0.1	0.0350	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	PP-S5	2.000_2	S5	0.1	0.331	0.001	0.0015	
10080 minute winter	PP-S12	8.000_1	S12	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
10080 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
10080 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
10080 minute winter	PP-S24	14.000_1	S92	0.1	0.413	0.001	0.0012	
10080 minute winter	PP-S30	18.000_1	S30	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
10080 minute winter	PP-S34	21.000_1	S34	0.1	0.454	0.001	0.0011	
10080 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S36	23.000_2	S36	0.1	0.456	0.001	0.0011	

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Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.56%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	26	0.590	0.828	31.1	1.4637	0.0000	SURCHARGED
15 minute summer	S25	21	0.596	0.840	35.2	2.1366	0.0000	SURCHARGED
15 minute summer	S16	21	0.593	0.860	149.1	3.8150	0.0000	SURCHARGED
15 minute summer	S145	20	0.607	0.922	123.4	3.9690	0.0000	SURCHARGED
15 minute summer	S4	16	0.609	0.852	72.0	1.5062	0.0000	SURCHARGED
15 minute summer	S5	20	0.600	0.884	151.5	1.5624	0.0000	SURCHARGED
15 minute summer	S9	16	0.633	0.929	23.2	2.1398	0.0000	SURCHARGED
15 minute summer	S10	16	0.609	0.930	38.2	1.6434	0.0000	SURCHARGED
15 minute summer	S11	16	0.604	0.930	163.6	1.6428	0.0000	SURCHARGED
15 minute summer	S12	23	0.582	0.917	169.9	1.6195	0.0000	SURCHARGED
15 minute summer	S1	25	0.583	0.847	33.2	1.9950	0.0000	SURCHARGED
15 minute summer	S3	16	0.624	0.931	76.2	2.9773	0.0000	SURCHARGED
15 minute summer	S2	20	0.575	0.911	61.5	1.6096	0.0000	SURCHARGED
15 minute summer	S14	16	0.586	0.895	47.2	1.5809	0.0000	SURCHARGED
15 minute summer	S15	20	0.579	0.925	205.3	4.1645	0.0000	SURCHARGED
15 minute summer	S75	20	0.580	0.942	217.3	2.3976	0.0000	SURCHARGED
15 minute summer	S87	17	0.570	0.856	47.0	2.7761	0.0000	SURCHARGED
15 minute summer	S88	17	0.566	0.874	81.3	2.8503	0.0000	SURCHARGED
15 minute summer	S89	17	0.564	0.894	107.1	2.8983	0.0000	SURCHARGED
15 minute summer	S90	18	0.559	0.911	137.2	2.9030	0.0000	SURCHARGED
15 minute summer	S92	18	0.567	0.946	216.7	2.4067	0.0000	SURCHARGED
15 minute summer	S81	17	0.587	0.889	47.0	2.8708	0.0000	SURCHARGED
15 minute summer	S82	17	0.575	0.899	80.8	2.9179	0.0000	SURCHARGED
15 minute summer	S83	17	0.563	0.908	106.0	2.9296	0.0000	SURCHARGED
15 minute summer	S84	18	0.558	0.925	137.9	2.9348	0.0000	SURCHARGED
15 minute summer	S86	18	0.561	0.954	132.4	2.4268	0.0000	SURCHARGED
15 minute summer	S76	17	0.568	0.885	47.0	2.8462	0.0000	SURCHARGED
15 minute summer	S77	17	0.558	0.897	80.7	2.9013	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	S26	1.000	S16	-28.1	-0.265	-0.398	9.2005	
15 minute summer	S25	2.000	S16	-31.3	-0.256	-0.443	7.3393	
15 minute summer	S16	1.001	S145	-105.2	-0.681	-1.475	15.0038	
15 minute summer	S145	1.002	S75	-64.3	0.418	-0.911	15.0038	
15 minute summer	S4	3.000	S5	-65.6	-0.452	-0.931	13.1095	
15 minute summer	S5	3.001	S11	-141.4	-0.892	-1.981	13.1095	
15 minute summer	S9	4.000	S10	19.5	0.458	0.278	8.0648	
15 minute summer	S10	4.001	S11	-38.2	0.530	-0.502	1.3780	
15 minute summer	S11	3.002	S12	-163.6	-1.033	-2.319	2.8740	
15 minute summer	S12	3.003	S15	-166.2	-1.049	-2.413	3.6838	
15 minute summer	S1	5.000	S3	-21.5	-0.175	-0.303	13.5151	
15 minute summer	S3	5.001	S2	-53.6	0.532	-0.757	9.1848	
15 minute summer	S2	5.002	S15	-58.2	-0.367	-0.854	3.4165	
15 minute summer	S14	6.000	S15	-47.2	-0.506	-0.670	11.8707	
15 minute summer	S15	3.004	S75	-152.4	-0.962	-2.129	4.9661	
15 minute summer	S75	1.003	S92	-214.0	-1.350	-3.007	5.3380	
15 minute summer	S87	7.000	S88	33.1	0.260	0.464	6.8747	
15 minute summer	S88	7.001	S89	68.3	0.431	0.957	6.8747	
15 minute summer	S89	7.002	S90	100.2	0.633	1.405	6.8747	
15 minute summer	S90	7.003	S92	130.1	0.821	1.846	8.6413	
15 minute summer	S92	1.005	S86	104.3	0.658	1.468	4.4095	
15 minute summer	S81	8.000	S82	32.6	0.259	0.458	6.8747	
15 minute summer	S82	8.001	S83	66.8	0.422	0.959	6.8747	
15 minute summer	S83	8.002	S84	101.0	0.638	1.416	6.8747	
15 minute summer	S84	8.003	S86	132.4	0.836	1.864	8.1975	
15 minute summer	S86	1.006	S30	106.8	0.674	1.505	4.4165	
15 minute summer	S76	9.000	S77	32.7	0.260	0.458	6.8747	
15 minute summer	S77	9.001	S78	67.8	0.428	0.950	6.8747	

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Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.56%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	17	0.547	0.908	105.7	2.9189	0.0000	SURCHARGED
15 minute summer	S79	18	0.541	0.923	138.4	2.9158	0.0000	SURCHARGED
15 minute summer	S30	18	0.545	0.952	186.4	2.4238	0.0000	SURCHARGED
15 minute summer	S31	13	0.575	0.911	93.3	3.0173	0.0000	SURCHARGED
15 minute summer	S32	13	0.505	0.884	84.0	2.7297	0.0000	SURCHARGED
15 minute summer	S33	18	0.514	0.937	182.2	2.3850	0.0000	SURCHARGED
15 minute summer	S34	18	0.477	0.916	173.7	1.6183	0.0000	SURCHARGED
15 minute summer	S35	18	0.389	0.855	173.0	1.5110	0.0000	SURCHARGED
15 minute summer	S36	18	0.365	0.807	34.6	1.4252	0.0000	SURCHARGED
15 minute summer	S37	18	0.358	0.829	220.7	4.0766	0.0000	SURCHARGED
15 minute summer	S38	19	0.145	0.661	178.0	1.1676	0.0000	SURCHARGED
15 minute summer	S39	19	-0.045	0.517	169.0	0.9142	0.0000	SURCHARGED
15 minute summer	S56	19	-0.078	0.481	8.9	0.8506	0.0000	SURCHARGED
15 minute summer	S57	19	-0.079	0.486	151.9	1.2363	0.0000	SURCHARGED
15 minute summer	S125	21	-0.140	0.415	40.2	0.7340	0.0000	OK
15 minute summer	S127	22	-0.149	0.430	150.1	1.0954	0.0000	OK
15 minute summer	S119	20	-0.210	0.359	32.4	0.6343	0.0000	OK
15 minute summer	S60	22	-0.211	0.382	142.8	0.9727	0.0000	OK
15 minute summer	Pond Inlet 1	22	-0.325	0.285	134.7	0.5045	0.0000	OK
15 minute summer	Pond Outlet	1440	-0.493	0.117	109.2	0.1318	0.0000	OK
15 minute summer	S13	1267	-0.493	0.145	1.1	0.5011	0.0000	OK
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute summer	PP-S26	22	0.593	0.093	13.7	6.9776	0.0000	OK
15 minute summer	PP-S25	22	0.593	0.093	23.0	6.2521	0.0000	OK
15 minute summer	PP-S16	18	0.581	0.081	19.2	6.0304	0.0000	OK
15 minute summer	PP-S145	20	0.582	0.082	18.0	6.3672	0.0000	OK
15 minute summer	PP-S4	21	0.592	0.092	30.9	7.5947	0.0000	OK
15 minute summer	PP-S1	26	0.575	0.075	28.7	23.0676	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S78	9.002	S79	101.4	0.640	1.456	6.8745	
15 minute summer	S79	9.003	S30	132.9	0.839	1.847	7.6907	
15 minute summer	S30	1.007	S33	177.9	1.123	2.500	5.0209	
15 minute summer	S31	10.000	S32	-53.5	0.401	-0.756	13.6740	
15 minute summer	S32	10.001	S33	74.6	0.530	1.043	13.6740	
15 minute summer	S33	1.008	S34	165.0	1.041	2.339	5.1108	
15 minute summer	S34	1.009	S35	171.6	1.083	2.416	8.5103	
15 minute summer	S35	1.010	S37	167.3	1.056	2.518	1.7947	
15 minute summer	S36	11.000	S37	-28.3	-0.235	-0.398	9.1184	
15 minute summer	S37	1.011	S38	178.0	1.146	2.520	14.3287	
15 minute summer	S38	1.012	S39	169.0	1.134	2.365	14.3287	
15 minute summer	S39	1.013	S57	151.9	1.091	2.398	1.1814	
15 minute summer	S56	12.011	S57	-8.9	-0.469	-0.131	2.0645	
15 minute summer	S57	1.014	S127	150.1	1.188	2.122	4.4150	
15 minute summer	S125	21.003	S127	-40.2	-0.598	-0.575	7.6181	
15 minute summer	S127	1.015	S60	137.4	1.211	1.928	4.1475	
15 minute summer	S119	22.003	S60	-32.4	-0.533	-0.464	6.8419	
15 minute summer	S60	1.016	Pond Inlet 1	134.7	1.068	1.779	3.7233	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	109.2	0.049	0.002	587.1565	
15 minute summer	Pond Outlet	1.018	S13	1.1	0.311	0.015	0.1999	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	11.1	0.684	0.290	0.2104	
15 minute summer	PP-S25	2.000_1	S25	-16.8	-0.935	-0.293	0.1117	
15 minute summer	PP-S16	3.000_1	S16	16.7	1.038	0.248	0.1127	
15 minute summer	PP-S145	4.000_2	S145	21.4	1.334	0.253	0.1319	
15 minute summer	PP-S4	1.000_2	S4	-21.1	-0.973	-0.370	0.1107	
15 minute summer	PP-S1	4.000_1	S1	13.9	1.179	0.210	0.1063	

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Results for 30 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.56%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	19	0.584	0.084	23.2	7.0410	0.0000	OK
15 minute summer	PP-S12	23	0.575	0.075	16.3	6.1305	0.0000	OK
15 minute summer	PP-S14	29	0.547	0.047	20.6	9.3737	0.0000	OK
15 minute summer	PP-S2	22	0.575	0.075	15.0	7.0626	0.0000	OK
15 minute summer	PP-S15	24	0.572	0.072	11.5	3.3600	0.0000	OK
15 minute summer	PP-S75	19	0.567	0.067	13.5	3.4274	0.0000	OK
15 minute summer	PP-S24	19	0.554	0.054	14.9	3.4960	0.0000	OK
15 minute summer	PP-S30	19	0.540	0.040	11.7	1.6888	0.0000	OK
15 minute summer	PP-S33	18	0.535	0.035	6.6	1.2101	0.0000	OK
15 minute summer	PP-S34	19	0.547	0.047	12.7	2.9350	0.0000	OK
15 minute summer	PP-S35	18	0.519	0.019	1.9	0.3695	0.0000	OK
15 minute summer	PP-S36	18	0.542	0.042	9.8	1.8324	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	PP-S5	2.000_2	S5	19.5	1.263	0.264	0.1261	
15 minute summer	PP-S12	8.000_1	S12	18.2	1.065	0.200	0.1283	
15 minute summer	PP-S14	11.000_1	S14	-20.3	1.174	-0.245	0.1066	
15 minute summer	PP-S2	10.000_1	S2	18.2	1.111	0.200	0.1282	
15 minute summer	PP-S15	12.000_1	S15	19.4	1.201	0.206	0.1265	
15 minute summer	PP-S75	13.000_1	S75	18.7	1.215	0.189	0.1240	
15 minute summer	PP-S24	14.000_1	S92	13.1	1.502	0.128	0.1177	
15 minute summer	PP-S30	18.000_1	S30	7.9	1.165	0.071	0.1115	
15 minute summer	PP-S33	20.000_1	S33	6.1	1.350	0.053	0.1093	
15 minute summer	PP-S34	21.000_1	S34	11.3	1.603	0.096	0.1143	
15 minute summer	PP-S35	22.000_2	S35	1.8	1.030	0.014	0.0850	
15 minute summer	PP-S36	23.000_2	S36	9.1	1.657	0.077	0.0686	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.38%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	24	0.627	0.865	55.5	1.5279	0.0000	SURCHARGED
15 minute winter	S25	16	0.626	0.870	40.8	2.2148	0.0000	SURCHARGED
15 minute winter	S16	16	0.626	0.893	165.1	3.9591	0.0000	SURCHARGED
15 minute winter	S145	21	0.618	0.933	137.9	4.0168	0.0000	SURCHARGED
15 minute winter	S4	27	0.617	0.860	73.1	1.5189	0.0000	SURCHARGED
15 minute winter	S5	22	0.620	0.904	155.6	1.5968	0.0000	SURCHARGED
15 minute winter	S9	15	0.671	0.967	30.6	2.2278	0.0000	SURCHARGED
15 minute winter	S10	22	0.609	0.930	33.6	1.6439	0.0000	SURCHARGED
15 minute winter	S11	22	0.608	0.934	185.8	1.6507	0.0000	SURCHARGED
15 minute winter	S12	22	0.608	0.943	196.6	1.6668	0.0000	SURCHARGED
15 minute winter	S1	28	0.608	0.872	80.1	2.0545	0.0000	SURCHARGED
15 minute winter	S3	29	0.608	0.915	78.3	2.9257	0.0000	SURCHARGED
15 minute winter	S2	22	0.607	0.943	57.5	1.6657	0.0000	SURCHARGED
15 minute winter	S14	22	0.624	0.933	54.6	1.6483	0.0000	SURCHARGED
15 minute winter	S15	22	0.609	0.955	228.7	4.2973	0.0000	SURCHARGED
15 minute winter	S75	15	0.610	0.972	241.9	2.4746	0.0000	SURCHARGED
15 minute winter	S87	13	0.674	0.960	49.4	3.1148	0.0000	SURCHARGED
15 minute winter	S88	13	0.682	0.990	84.6	3.2283	0.0000	SURCHARGED
15 minute winter	S89	13	0.675	1.005	112.4	3.2564	0.0000	SURCHARGED
15 minute winter	S90	14	0.659	1.011	146.9	3.2210	0.0000	SURCHARGED
15 minute winter	S92	14	0.643	1.022	243.4	2.6015	0.0000	SURCHARGED
15 minute winter	S81	13	0.719	1.021	49.4	3.2960	0.0000	SURCHARGED
15 minute winter	S82	13	0.724	1.048	83.5	3.4029	0.0000	SURCHARGED
15 minute winter	S83	13	0.715	1.060	114.8	3.4211	0.0000	SURCHARGED
15 minute winter	S84	13	0.679	1.046	146.7	3.3167	0.0000	SURCHARGED
15 minute winter	S86	14	0.645	1.038	138.7	2.6406	0.0000	SURCHARGED
15 minute winter	S76	13	0.739	1.056	49.4	3.3948	0.0000	SURCHARGED
15 minute winter	S77	13	0.731	1.070	82.8	3.4580	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	S26	1.000	S16	-52.2	-0.329	-0.737	9.2005	
15 minute winter	S25	2.000	S16	-37.2	-0.248	-0.527	7.3393	
15 minute winter	S16	1.001	S145	-115.9	-0.732	-1.625	15.0038	
15 minute winter	S145	1.002	S75	-71.6	-0.452	-1.015	15.0038	
15 minute winter	S4	3.000	S5	-66.6	-0.531	-0.944	13.1095	
15 minute winter	S5	3.001	S11	-145.3	-0.921	-2.035	13.1095	
15 minute winter	S9	4.000	S10	-17.8	0.453	-0.254	8.0648	
15 minute winter	S10	4.001	S11	-33.6	0.585	-0.442	1.3780	
15 minute winter	S11	3.002	S12	-185.8	-1.173	-2.634	2.8740	
15 minute winter	S12	3.003	S15	-192.8	-1.217	-2.800	3.6838	
15 minute winter	S1	5.000	S3	-65.8	-0.415	-0.925	13.5151	
15 minute winter	S3	5.001	S2	-50.3	0.527	-0.710	9.1848	
15 minute winter	S2	5.002	S15	-53.8	0.379	-0.790	3.4165	
15 minute winter	S14	6.000	S15	-54.6	-0.489	-0.776	11.8707	
15 minute winter	S15	3.004	S75	-177.9	-1.123	-2.485	4.9661	
15 minute winter	S75	1.003	S92	-237.7	-1.500	-3.340	5.3380	
15 minute winter	S87	7.000	S88	35.9	0.274	0.503	6.8747	
15 minute winter	S88	7.001	S89	69.7	0.440	0.977	6.8747	
15 minute winter	S89	7.002	S90	105.1	0.663	1.473	6.8747	
15 minute winter	S90	7.003	S92	140.0	0.884	1.987	8.6413	
15 minute winter	S92	1.005	S86	-113.3	-0.715	-1.594	4.4095	
15 minute winter	S81	8.000	S82	34.7	0.273	0.486	6.8747	
15 minute winter	S82	8.001	S83	70.2	0.443	1.008	6.8747	
15 minute winter	S83	8.002	S84	104.2	0.658	1.461	6.8747	
15 minute winter	S84	8.003	S86	138.7	0.875	1.953	8.1975	
15 minute winter	S86	1.006	S30	115.0	0.726	1.620	4.4165	
15 minute winter	S76	9.000	S77	33.5	0.274	0.469	6.8747	
15 minute winter	S77	9.001	S78	69.3	0.437	0.972	6.8747	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.38%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	13	0.712	1.073	116.2	3.4494	0.0000	SURCHARGED
15 minute winter	S79	13	0.675	1.057	146.5	3.3393	0.0000	SURCHARGED
15 minute winter	S30	14	0.627	1.034	189.3	2.6311	0.0000	SURCHARGED
15 minute winter	S31	12	0.725	1.061	53.2	3.5154	0.0000	SURCHARGED
15 minute winter	S32	12	0.646	1.025	89.2	3.1667	0.0000	SURCHARGED
15 minute winter	S33	15	0.599	1.022	201.2	2.6003	0.0000	SURCHARGED
15 minute winter	S34	15	0.564	1.003	178.8	1.7717	0.0000	SURCHARGED
15 minute winter	S35	15	0.491	0.957	168.3	1.6913	0.0000	SURCHARGED
15 minute winter	S36	17	0.465	0.907	38.2	1.6025	0.0000	SURCHARGED
15 minute winter	S37	15	0.465	0.936	219.9	4.6026	0.0000	SURCHARGED
15 minute winter	S38	17	0.213	0.729	196.5	1.2887	0.0000	SURCHARGED
15 minute winter	S39	18	-0.013	0.549	182.2	0.9702	0.0000	SURCHARGED
15 minute winter	S56	18	-0.051	0.508	21.7	0.8976	0.0000	SURCHARGED
15 minute winter	S57	18	-0.052	0.513	169.9	1.3045	0.0000	SURCHARGED
15 minute winter	S125	20	-0.113	0.442	54.4	0.7802	0.0000	OK
15 minute winter	S127	19	-0.126	0.453	171.4	1.1519	0.0000	SURCHARGED
15 minute winter	S119	19	-0.183	0.386	36.7	0.6812	0.0000	OK
15 minute winter	S60	21	-0.196	0.397	150.4	1.0098	0.0000	OK
15 minute winter	Pond Inlet 1	20	-0.311	0.299	142.3	0.5281	0.0000	OK
15 minute winter	Pond Outlet	1448	-0.480	0.130	114.5	0.1465	0.0000	OK
15 minute winter	S13	1448	-0.480	0.158	1.0	0.5461	0.0000	OK
15 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute winter	PP-S26	24	0.626	0.126	27.6	10.5748	0.0000	OK
15 minute winter	PP-S25	25	0.625	0.125	34.6	9.3064	0.0000	OK
15 minute winter	PP-S16	22	0.622	0.122	43.0	12.7946	0.0000	OK
15 minute winter	PP-S145	21	0.615	0.115	46.1	12.1200	0.0000	OK
15 minute winter	PP-S4	24	0.618	0.118	48.3	11.7011	0.0000	OK
15 minute winter	PP-S1	27	0.595	0.095	39.1	30.0932	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S78	9.002	S79	102.6	0.648	1.473	6.8745	
15 minute winter	S79	9.003	S30	137.0	0.864	1.905	7.6907	
15 minute winter	S30	1.007	S33	173.4	1.095	2.436	5.0209	
15 minute winter	S31	10.000	S32	46.1	0.397	0.652	13.6740	
15 minute winter	S32	10.001	S33	78.1	0.542	1.091	13.6740	
15 minute winter	S33	1.008	S34	170.9	1.079	2.423	5.1108	
15 minute winter	S34	1.009	S35	166.8	1.053	2.349	8.5103	
15 minute winter	S35	1.010	S37	155.8	0.983	2.345	1.7947	
15 minute winter	S36	11.000	S37	-32.2	-0.282	-0.453	9.1184	
15 minute winter	S37	1.011	S38	196.5	1.240	2.781	14.3287	
15 minute winter	S38	1.012	S39	182.2	1.152	2.551	14.3287	
15 minute winter	S39	1.013	S57	169.9	1.202	2.682	1.1814	
15 minute winter	S56	12.011	S57	-21.7	-0.477	-0.320	2.0645	
15 minute winter	S57	1.014	S127	165.5	1.254	2.339	4.4474	
15 minute winter	S125	21.003	S127	-54.4	-0.619	-0.778	7.7961	
15 minute winter	S127	1.015	S60	149.9	1.194	2.104	4.2400	
15 minute winter	S119	22.003	S60	-36.7	-0.511	-0.526	7.1491	
15 minute winter	S60	1.016	Pond Inlet 1	142.3	1.085	1.879	3.8688	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	114.5	0.050	0.002	655.7443	
15 minute winter	Pond Outlet	1.018	S13	1.0	0.315	0.014	0.2261	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	-19.7	-1.043	-0.512	0.2860	
15 minute winter	PP-S25	2.000_1	S25	-27.7	-1.332	-0.483	0.1438	
15 minute winter	PP-S16	3.000_1	S16	-30.9	-1.279	-0.458	0.1497	
15 minute winter	PP-S145	4.000_2	S145	-32.1	1.336	-0.381	0.1502	
15 minute winter	PP-S4	1.000_2	S4	-37.1	-1.730	-0.651	0.1358	
15 minute winter	PP-S1	4.000_1	S1	17.6	1.198	0.265	0.1286	

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Results for 30 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.38%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	22	0.612	0.112	45.2	12.4064	0.0000	OK
15 minute winter	PP-S12	23	0.603	0.103	22.8	9.2382	0.0000	OK
15 minute winter	PP-S14	33	0.567	0.067	31.0	18.9673	0.0000	OK
15 minute winter	PP-S2	21	0.602	0.102	24.3	10.0155	0.0000	OK
15 minute winter	PP-S15	19	0.600	0.100	22.6	5.0356	0.0000	OK
15 minute winter	PP-S75	19	0.608	0.108	24.5	6.1179	0.0000	OK
15 minute winter	PP-S24	18	0.605	0.105	42.7	11.3393	0.0000	OK
15 minute winter	PP-S30	16	0.608	0.108	26.9	5.7578	0.0000	OK
15 minute winter	PP-S33	16	0.593	0.093	18.8	4.8043	0.0000	OK
15 minute winter	PP-S34	19	0.550	0.050	14.3	3.2894	0.0000	OK
15 minute winter	PP-S35	18	0.520	0.020	2.2	0.4025	0.0000	OK
15 minute winter	PP-S36	18	0.544	0.044	11.0	2.0323	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	PP-S5	2.000_2	S5	-28.6	1.271	-0.386	0.1484	
15 minute winter	PP-S12	8.000_1	S12	23.1	1.064	0.253	0.1436	
15 minute winter	PP-S14	11.000_1	S14	-30.6	-1.369	-0.370	0.1208	
15 minute winter	PP-S2	10.000_1	S2	28.0	1.114	0.307	0.1429	
15 minute winter	PP-S15	12.000_1	S15	25.2	1.206	0.267	0.1418	
15 minute winter	PP-S75	13.000_1	S75	31.7	1.218	0.321	0.1464	
15 minute winter	PP-S24	14.000_1	S92	34.2	1.476	0.333	0.1449	
15 minute winter	PP-S30	18.000_1	S30	29.9	1.202	0.269	0.1466	
15 minute winter	PP-S33	20.000_1	S33	28.1	1.331	0.246	0.1381	
15 minute winter	PP-S34	21.000_1	S34	12.7	1.649	0.107	0.1156	
15 minute winter	PP-S35	22.000_2	S35	2.0	1.033	0.016	0.1038	
15 minute winter	PP-S36	23.000_2	S36	10.2	1.599	0.086	0.1131	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	48	0.640	0.878	50.9	1.5520	0.0000	SURCHARGED
30 minute summer	S25	33	0.640	0.884	44.8	2.2508	0.0000	SURCHARGED
30 minute summer	S16	33	0.639	0.906	151.5	4.0173	0.0000	SURCHARGED
30 minute summer	S145	32	0.635	0.950	123.5	4.0920	0.0000	SURCHARGED
30 minute summer	S4	39	0.647	0.890	72.6	1.5721	0.0000	SURCHARGED
30 minute summer	S5	39	0.652	0.936	148.1	1.6546	0.0000	SURCHARGED
30 minute summer	S9	23	0.640	0.936	27.5	2.1571	0.0000	SURCHARGED
30 minute summer	S10	41	0.636	0.957	41.3	1.6913	0.0000	SURCHARGED
30 minute summer	S11	41	0.633	0.959	165.7	1.6937	0.0000	SURCHARGED
30 minute summer	S12	32	0.627	0.962	167.6	1.7001	0.0000	SURCHARGED
30 minute summer	S1	43	0.624	0.888	63.7	2.0920	0.0000	SURCHARGED
30 minute summer	S3	33	0.624	0.931	72.9	2.9789	0.0000	SURCHARGED
30 minute summer	S2	32	0.626	0.962	48.4	1.6996	0.0000	SURCHARGED
30 minute summer	S14	47	0.637	0.946	35.1	1.6723	0.0000	SURCHARGED
30 minute summer	S15	32	0.625	0.971	209.3	4.3717	0.0000	SURCHARGED
30 minute summer	S75	30	0.628	0.990	221.9	2.5203	0.0000	SURCHARGED
30 minute summer	S87	21	0.672	0.958	41.5	3.1082	0.0000	SURCHARGED
30 minute summer	S88	21	0.684	0.992	70.3	3.2359	0.0000	SURCHARGED
30 minute summer	S89	21	0.688	1.018	98.1	3.3001	0.0000	SURCHARGED
30 minute summer	S90	21	0.682	1.034	127.5	3.2947	0.0000	SURCHARGED
30 minute summer	S92	21	0.642	1.021	221.8	2.5986	0.0000	SURCHARGED
30 minute summer	S81	21	0.714	1.016	41.5	3.2817	0.0000	SURCHARGED
30 minute summer	S82	21	0.716	1.040	69.9	3.3760	0.0000	SURCHARGED
30 minute summer	S83	21	0.714	1.059	97.7	3.4185	0.0000	SURCHARGED
30 minute summer	S84	21	0.693	1.060	129.8	3.3637	0.0000	SURCHARGED
30 minute summer	S86	21	0.657	1.050	122.8	2.6726	0.0000	SURCHARGED
30 minute summer	S76	21	0.716	1.033	41.5	3.3219	0.0000	SURCHARGED
30 minute summer	S77	21	0.708	1.047	73.9	3.3852	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	S26	1.000	S16	-47.5	-0.300	-0.671	9.2005	
30 minute summer	S25	2.000	S16	-41.1	-0.259	-0.582	7.3393	
30 minute summer	S16	1.001	S145	-106.3	-0.671	-1.491	15.0038	
30 minute summer	S145	1.002	S75	-63.3	-0.399	-0.897	15.0038	
30 minute summer	S4	3.000	S5	-66.1	-0.418	-0.938	13.1095	
30 minute summer	S5	3.001	S11	-137.8	-0.870	-1.931	13.1095	
30 minute summer	S9	4.000	S10	22.2	0.263	0.316	8.0648	
30 minute summer	S10	4.001	S11	-41.3	0.407	-0.543	1.3780	
30 minute summer	S11	3.002	S12	-165.7	-1.046	-2.349	2.8740	
30 minute summer	S12	3.003	S15	-163.8	-1.034	-2.378	3.6838	
30 minute summer	S1	5.000	S3	-48.1	-0.303	-0.676	13.5151	
30 minute summer	S3	5.001	S2	-43.1	0.329	-0.608	9.1848	
30 minute summer	S2	5.002	S15	-44.5	-0.281	-0.653	3.4165	
30 minute summer	S14	6.000	S15	-35.1	-0.288	-0.499	11.8707	
30 minute summer	S15	3.004	S75	-163.1	-1.030	-2.279	4.9661	
30 minute summer	S75	1.003	S92	-217.7	-1.374	-3.059	5.3380	
30 minute summer	S87	7.000	S88	27.9	0.225	0.390	6.8747	
30 minute summer	S88	7.001	S89	59.4	0.375	0.832	6.8747	
30 minute summer	S89	7.002	S90	89.7	0.566	1.258	6.8747	
30 minute summer	S90	7.003	S92	122.5	0.773	1.739	8.6413	
30 minute summer	S92	1.005	S86	119.1	0.752	1.677	4.4095	
30 minute summer	S81	8.000	S82	29.4	0.225	0.412	6.8747	
30 minute summer	S82	8.001	S83	58.9	0.372	0.846	6.8747	
30 minute summer	S83	8.002	S84	92.1	0.581	1.291	6.8747	
30 minute summer	S84	8.003	S86	119.8	0.756	1.688	8.1975	
30 minute summer	S86	1.006	S30	117.3	0.741	1.653	4.4165	
30 minute summer	S76	9.000	S77	31.8	0.226	0.445	6.8747	
30 minute summer	S77	9.001	S78	60.5	0.382	0.848	6.8747	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	21	0.695	1.056	99.3	3.3944	0.0000	SURCHARGED
30 minute summer	S79	21	0.673	1.055	128.8	3.3335	0.0000	SURCHARGED
30 minute summer	S30	21	0.636	1.043	144.7	2.6551	0.0000	SURCHARGED
30 minute summer	S31	22	0.618	0.954	44.8	3.1610	0.0000	SURCHARGED
30 minute summer	S32	22	0.617	0.996	79.6	3.0748	0.0000	SURCHARGED
30 minute summer	S33	26	0.606	1.029	172.4	2.6195	0.0000	SURCHARGED
30 minute summer	S34	25	0.568	1.007	161.7	1.7793	0.0000	SURCHARGED
30 minute summer	S35	25	0.497	0.963	152.9	1.7017	0.0000	SURCHARGED
30 minute summer	S36	24	0.484	0.926	16.0	1.6363	0.0000	SURCHARGED
30 minute summer	S37	25	0.472	0.943	200.2	4.6336	0.0000	SURCHARGED
30 minute summer	S38	26	0.235	0.751	180.2	1.3275	0.0000	SURCHARGED
30 minute summer	S39	26	0.012	0.574	171.9	1.0140	0.0000	SURCHARGED
30 minute summer	S56	28	-0.028	0.531	9.2	0.9383	0.0000	SURCHARGED
30 minute summer	S57	26	-0.027	0.538	167.4	1.3687	0.0000	SURCHARGED
30 minute summer	S125	26	-0.089	0.466	41.8	0.8240	0.0000	SURCHARGED
30 minute summer	S127	26	-0.105	0.474	162.7	1.2075	0.0000	SURCHARGED
30 minute summer	S119	27	-0.180	0.389	32.8	0.6878	0.0000	OK
30 minute summer	S60	27	-0.183	0.410	154.7	1.0435	0.0000	OK
30 minute summer	Pond Inlet 1	28	-0.304	0.306	148.7	0.5403	0.0000	OK
30 minute summer	Pond Outlet	1440	-0.462	0.148	122.4	0.1676	0.0000	OK
30 minute summer	S13	1364	-0.462	0.176	1.1	0.6106	0.0000	OK
30 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute summer	PP-S26	32	0.641	0.141	28.8	12.2920	0.0000	OK
30 minute summer	PP-S25	34	0.641	0.141	35.7	10.8617	0.0000	OK
30 minute summer	PP-S16	33	0.639	0.139	43.2	15.7442	0.0000	OK
30 minute summer	PP-S145	31	0.636	0.136	51.3	15.9005	0.0000	OK
30 minute summer	PP-S4	34	0.632	0.132	35.2	13.9841	0.0000	OK
30 minute summer	PP-S1	38	0.617	0.117	38.7	38.1495	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S78	9.002	S79	91.1	0.575	1.307	6.8745	
30 minute summer	S79	9.003	S30	116.9	0.738	1.626	7.6907	
30 minute summer	S30	1.007	S33	142.0	0.896	1.995	5.0209	
30 minute summer	S31	10.000	S32	43.8	0.276	0.620	13.6740	
30 minute summer	S32	10.001	S33	69.0	0.436	0.965	13.6740	
30 minute summer	S33	1.008	S34	153.7	0.970	2.179	5.1108	
30 minute summer	S34	1.009	S35	151.5	0.956	2.133	8.5103	
30 minute summer	S35	1.010	S37	145.1	0.916	2.184	1.7947	
30 minute summer	S36	11.000	S37	12.6	-0.162	0.177	9.1184	
30 minute summer	S37	1.011	S38	180.2	1.137	2.551	14.3287	
30 minute summer	S38	1.012	S39	171.9	1.085	2.406	14.3287	
30 minute summer	S39	1.013	S57	167.3	1.086	2.641	1.1814	
30 minute summer	S56	12.011	S57	-9.2	-0.341	-0.135	2.0645	
30 minute summer	S57	1.014	S127	162.7	1.203	2.300	4.4483	
30 minute summer	S125	21.003	S127	-41.8	-0.518	-0.598	7.8151	
30 minute summer	S127	1.015	S60	154.7	1.126	2.172	4.2920	
30 minute summer	S119	22.003	S60	-32.8	-0.505	-0.470	7.3319	
30 minute summer	S60	1.016	Pond Inlet 1	148.7	1.101	1.963	3.9691	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	122.4	0.052	0.003	755.0509	
30 minute summer	Pond Outlet	1.018	S13	1.1	0.322	0.015	0.2637	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	-21.5	-1.127	-0.559	0.3141	
30 minute summer	PP-S25	2.000_1	S25	-29.3	-1.345	-0.511	0.1593	
30 minute summer	PP-S16	3.000_1	S16	-32.0	-1.293	-0.473	0.1635	
30 minute summer	PP-S145	4.000_2	S145	-38.3	-1.417	-0.453	0.1619	
30 minute summer	PP-S4	1.000_2	S4	-24.9	-1.104	-0.437	0.1518	
30 minute summer	PP-S1	4.000_1	S1	23.7	1.218	0.357	0.1466	

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Results for 30 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	33	0.631	0.131	33.5	16.0566	0.0000	OK
30 minute summer	PP-S12	32	0.628	0.128	42.5	12.0451	0.0000	OK
30 minute summer	PP-S14	45	0.588	0.088	35.4	32.2789	0.0000	OK
30 minute summer	PP-S2	32	0.626	0.126	29.8	12.7836	0.0000	OK
30 minute summer	PP-S15	32	0.625	0.125	25.7	6.5555	0.0000	OK
30 minute summer	PP-S75	30	0.629	0.129	27.9	7.5314	0.0000	OK
30 minute summer	PP-S24	27	0.629	0.129	55.9	15.0705	0.0000	OK
30 minute summer	PP-S30	24	0.620	0.120	29.2	6.4770	0.0000	OK
30 minute summer	PP-S33	25	0.603	0.103	21.2	5.4008	0.0000	OK
30 minute summer	PP-S34	23	0.557	0.057	17.6	4.2753	0.0000	OK
30 minute summer	PP-S35	25	0.520	0.020	2.0	0.3912	0.0000	OK
30 minute summer	PP-S36	26	0.543	0.043	10.1	1.9449	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	PP-S5	2.000_2	S5	21.2	1.268	0.286	0.1591	
30 minute summer	PP-S12	8.000_1	S12	-36.9	-1.366	-0.406	0.1577	
30 minute summer	PP-S14	11.000_1	S14	-35.2	-1.607	-0.425	0.1345	
30 minute summer	PP-S2	10.000_1	S2	22.5	1.122	0.246	0.1566	
30 minute summer	PP-S15	12.000_1	S15	27.0	1.201	0.287	0.1561	
30 minute summer	PP-S75	13.000_1	S75	25.4	1.221	0.257	0.1585	
30 minute summer	PP-S24	14.000_1	S92	-40.6	1.495	-0.396	0.1583	
30 minute summer	PP-S30	18.000_1	S30	26.1	1.216	0.234	0.1534	
30 minute summer	PP-S33	20.000_1	S33	26.3	1.336	0.231	0.1434	
30 minute summer	PP-S34	21.000_1	S34	16.6	1.655	0.140	0.1190	
30 minute summer	PP-S35	22.000_2	S35	2.0	1.029	0.016	0.1036	
30 minute summer	PP-S36	23.000_2	S36	9.7	1.596	0.082	0.1127	

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Results for 30 year 30 minute winter. 1470 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 (m³)	Flood (m³)	Status
30 minute winter	S26	33	0.678	0.916	31.6	1.6190	0.0000	SURCHARGED
30 minute winter	S25	34	0.678	0.922	31.0	2.3454	0.0000	SURCHARGED
30 minute winter	S16	33	0.676	0.943	143.0	4.1820	0.0000	SURCHARGED
30 minute winter	S145	32	0.669	0.984	107.7	4.2375	0.0000	SURCHARGED
30 minute winter	S4	45	0.664	0.907	46.0	1.6023	0.0000	SURCHARGED
30 minute winter	S5	34	0.659	0.943	133.6	1.6656	0.0000	SURCHARGED
30 minute winter	S9	21	0.697	0.993	16.2	2.2873	0.0000	SURCHARGED
30 minute winter	S10	21	0.665	0.986	24.2	1.7422	0.0000	SURCHARGED
30 minute winter	S11	21	0.654	0.980	158.5	1.7310	0.0000	SURCHARGED
30 minute winter	S12	32	0.653	0.988	177.2	1.7456	0.0000	SURCHARGED
30 minute winter	S1	35	0.649	0.913	35.8	2.1493	0.0000	SURCHARGED
30 minute winter	S3	32	0.649	0.956	75.5	3.0571	0.0000	SURCHARGED
30 minute winter	S2	32	0.650	0.986	56.8	1.7430	0.0000	SURCHARGED
30 minute winter	S14	34	0.654	0.963	41.9	1.7018	0.0000	SURCHARGED
30 minute winter	S15	32	0.651	0.997	230.4	4.4874	0.0000	SURCHARGED
30 minute winter	S75	31	0.659	1.021	216.9	2.5988	0.0000	SURCHARGED
30 minute winter	S87	21	0.833	1.119	37.5	3.6305	0.0000	SURCHARGED
30 minute winter	S88	21	0.817	1.125	68.8	3.6675	0.0000	SURCHARGED
30 minute winter	S89	21	0.790	1.120	98.2	3.6294	0.0000	SURCHARGED
30 minute winter	S90	21	0.750	1.102	119.2	3.5107	0.0000	SURCHARGED
30 minute winter	S92	22	0.692	1.071	226.1	2.7249	0.0000	SURCHARGED
30 minute winter	S81	21	0.837	1.139	37.5	3.6767	0.0000	SURCHARGED
30 minute winter	S82	21	0.828	1.152	66.7	3.7407	0.0000	SURCHARGED
30 minute winter	S83	21	0.810	1.155	93.8	3.7268	0.0000	SURCHARGED
30 minute winter	S84	21	0.766	1.133	124.3	3.5944	0.0000	SURCHARGED
30 minute winter	S86	22	0.705	1.098	120.4	2.7940	0.0000	SURCHARGED
30 minute winter	S76	21	0.807	1.124	37.5	3.6126	0.0000	SURCHARGED
30 minute winter	S77	21	0.803	1.142	65.7	3.6908	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 winter	S26	1.000	S16	-28.3	-0.195	-0.399	9.2005	
30 minute winter	S25	2.000	S16	-31.0	-0.196	-0.440	7.3393	
30 minute winter	S16	1.001	S145	-96.6	-0.610	-1.354	15.0038	
30 minute winter	S145	1.002	S75	47.2	0.347	0.669	15.0038	
30 minute winter	S4	3.000	S5	-39.5	-0.294	-0.560	13.1095	
30 minute winter	S5	3.001	S11	-123.3	-0.779	-1.727	13.1095	
30 minute winter	S9	4.000	S10	15.8	0.294	0.225	8.0648	
30 minute winter	S10	4.001	S11	-24.2	0.431	-0.318	1.3780	
30 minute winter	S11	3.002	S12	-158.5	-1.001	-2.247	2.8740	
30 minute winter	S12	3.003	S15	-173.5	-1.095	-2.520	3.6838	
30 minute winter	S1	5.000	S3	26.2	0.165	0.368	13.5151	
30 minute winter	S3	5.001	S2	52.1	0.364	0.736	9.1848	
30 minute winter	S2	5.002	S15	40.0	0.270	0.586	3.4165	
30 minute winter	S14	6.000	S15	-41.9	-0.321	-0.595	11.8707	
30 minute winter	S15	3.004	S75	-158.8	-1.002	-2.218	4.9661	
30 minute winter	S75	1.003	S92	-212.7	-1.343	-2.989	5.3380	
30 minute winter	S87	7.000	S88	30.3	0.235	0.425	6.8747	
30 minute winter	S88	7.001	S89	59.7	0.377	0.837	6.8747	
30 minute winter	S89	7.002	S90	83.6	0.528	1.173	6.8747	
30 minute winter	S90	7.003	S92	108.7	0.686	1.543	8.6413	
30 minute winter	S92	1.005	S86	119.4	0.753	1.680	4.4095	
30 minute winter	S81	8.000	S82	28.8	0.234	0.403	6.8747	
30 minute winter	S82	8.001	S83	56.0	0.353	0.803	6.8747	
30 minute winter	S83	8.002	S84	86.8	0.548	1.216	6.8747	
30 minute winter	S84	8.003	S86	114.0	0.720	1.606	8.1975	
30 minute winter	S86	1.006	S30	120.2	0.759	1.693	4.4165	
30 minute winter	S76	9.000	S77	29.0	0.235	0.406	6.8747	
30 minute winter	S77	9.001	S78	57.6	0.364	0.808	6.8747	

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Results for 30 year 30 minute winter. 1470 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 (m³)	Flood (m³)	Status
30 minute winter	S78	21	0.790	1.151	93.6	3.6985	0.0000	SURCHARGED
30 minute winter	S79	21	0.758	1.140	122.4	3.6004	0.0000	SURCHARGED
30 minute winter	S30	22	0.703	1.110	158.4	2.8238	0.0000	SURCHARGED
30 minute winter	S31	21	0.677	1.013	51.7	3.3551	0.0000	SURCHARGED
30 minute winter	S32	22	0.671	1.050	73.6	3.2420	0.0000	SURCHARGED
30 minute winter	S33	22	0.661	1.084	161.8	2.7580	0.0000	SURCHARGED
30 minute winter	S34	28	0.611	1.050	154.0	1.8561	0.0000	SURCHARGED
30 minute winter	S35	25	0.539	1.005	157.4	1.7752	0.0000	SURCHARGED
30 minute winter	S36	24	0.516	0.958	20.3	1.6933	0.0000	SURCHARGED
30 minute winter	S37	24	0.515	0.986	208.8	4.8449	0.0000	SURCHARGED
30 minute winter	S38	26	0.273	0.789	177.4	1.3942	0.0000	SURCHARGED
30 minute winter	S39	27	0.043	0.605	172.2	1.0692	0.0000	SURCHARGED
30 minute winter	S56	27	0.003	0.562	8.4	0.9923	0.0000	SURCHARGED
30 minute winter	S57	27	0.002	0.567	170.6	1.4439	0.0000	SURCHARGED
30 minute winter	S125	25	-0.081	0.474	33.1	0.8375	0.0000	SURCHARGED
30 minute winter	S127	27	-0.086	0.493	166.6	1.2536	0.0000	SURCHARGED
30 minute winter	S119	26	-0.170	0.399	33.5	0.7055	0.0000	OK
30 minute winter	S60	27	-0.173	0.420	157.2	1.0689	0.0000	OK
30 minute winter	Pond Inlet 1	27	-0.297	0.313	153.9	0.5533	0.0000	OK
30 minute winter	Pond Outlet	1420	-0.445	0.165	129.1	0.1867	0.0000	OK
30 minute winter	S13	1423	-0.445	0.193	1.2	0.6692	0.0000	OK
30 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute winter	PP-S26	33	0.680	0.180	26.5	16.5614	0.0000	OK
30 minute winter	PP-S25	34	0.678	0.178	46.3	14.3800	0.0000	OK
30 minute winter	PP-S16	33	0.677	0.177	56.9	22.3210	0.0000	OK
30 minute winter	PP-S145	32	0.670	0.170	41.1	22.1136	0.0000	OK
30 minute winter	PP-S4	35	0.662	0.162	40.2	18.6733	0.0000	OK
30 minute winter	PP-S1	39	0.648	0.148	55.0	48.9143	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S78	9.002	S79	87.0	0.549	1.249	6.8745	
30 minute winter	S79	9.003	S30	116.3	0.734	1.617	7.6907	
30 minute winter	S30	1.007	S33	130.2	0.822	1.829	5.0209	
30 minute winter	S31	10.000	S32	40.0	0.287	0.566	13.6740	
30 minute winter	S32	10.001	S33	65.9	0.416	0.921	13.6740	
30 minute winter	S33	1.008	S34	144.4	0.912	2.048	5.1108	
30 minute winter	S34	1.009	S35	155.8	0.984	2.194	8.5103	
30 minute winter	S35	1.010	S37	152.7	0.964	2.299	1.7947	
30 minute winter	S36	11.000	S37	15.4	-0.173	0.216	9.1184	
30 minute winter	S37	1.011	S38	177.4	1.120	2.511	14.3287	
30 minute winter	S38	1.012	S39	172.2	1.087	2.410	14.3287	
30 minute winter	S39	1.013	S57	170.6	1.079	2.693	1.1814	
30 minute winter	S56	12.011	S57	-8.4	-0.311	-0.124	2.0645	
30 minute winter	S57	1.014	S127	166.6	1.177	2.355	4.4483	
30 minute winter	S125	21.003	S127	-33.1	-0.499	-0.473	7.8151	
30 minute winter	S127	1.015	S60	157.2	1.178	2.207	4.3251	
30 minute winter	S119	22.003	S60	-33.5	-0.498	-0.479	7.4535	
30 minute winter	S60	1.016	Pond Inlet 1	153.9	1.115	2.032	4.0541	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	129.1	0.053	0.003	845.3444	
30 minute winter	Pond Outlet	1.018	S13	1.2	0.327	0.016	0.2975	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	-18.3	-0.760	-0.476	0.3692	
30 minute winter	PP-S25	2.000_1	S25	-39.5	-1.690	-0.688	0.1839	
30 minute winter	PP-S16	3.000_1	S16	-44.8	-1.690	-0.663	0.1833	
30 minute winter	PP-S145	4.000_2	S145	-26.7	1.331	-0.316	0.1800	
30 minute winter	PP-S4	1.000_2	S4	-28.9	-1.357	-0.506	0.1757	
30 minute winter	PP-S1	4.000_1	S1	-27.1	1.161	-0.409	0.1685	

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Results for 30 year 30 minute winter. 1470 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 (m³)	Flood (m³)	Status
30 minute winter	PP-S5	34	0.660	0.160	51.0	21.8533	0.0000	OK
30 minute winter	PP-S12	32	0.654	0.154	41.1	14.9707	0.0000	OK
30 minute winter	PP-S14	50	0.612	0.112	42.0	47.2804	0.0000	OK
30 minute winter	PP-S2	33	0.651	0.151	33.0	15.5488	0.0000	OK
30 minute winter	PP-S15	31	0.651	0.151	29.5	8.1311	0.0000	OK
30 minute winter	PP-S75	31	0.660	0.160	42.9	9.5101	0.0000	OK
30 minute winter	PP-S24	27	0.680	0.180	72.4	23.0191	0.0000	OK
30 minute winter	PP-S30	24	0.699	0.199	58.3	11.1939	0.0000	OK
30 minute winter	PP-S33	24	0.664	0.164	49.5	9.2062	0.0000	OK
30 minute winter	PP-S34	27	0.611	0.111	29.2	12.0450	0.0000	OK
30 minute winter	PP-S35	25	0.538	0.038	5.4	0.8799	0.0000	OK
30 minute winter	PP-S36	25	0.545	0.045	11.3	2.1226	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	PP-S5	2.000_2	S5	-34.2	-1.289	-0.462	0.1748	
30 minute winter	PP-S12	8.000_1	S12	-35.0	-1.319	-0.385	0.1719	
30 minute winter	PP-S14	11.000_1	S14	-41.8	-1.591	-0.505	0.1485	
30 minute winter	PP-S2	10.000_1	S2	-23.9	1.114	-0.262	0.1700	
30 minute winter	PP-S15	12.000_1	S15	-22.5	1.198	-0.239	0.1705	
30 minute winter	PP-S75	13.000_1	S75	-36.1	-1.254	-0.365	0.1748	
30 minute winter	PP-S24	14.000_1	S92	-55.6	-1.783	-0.542	0.1844	
30 minute winter	PP-S30	18.000_1	S30	-52.0	-1.532	-0.467	0.1923	
30 minute winter	PP-S33	20.000_1	S33	-42.1	1.376	-0.369	0.1768	
30 minute winter	PP-S34	21.000_1	S34	31.2	1.642	0.264	0.1484	
30 minute winter	PP-S35	22.000_2	S35	4.1	1.024	0.033	0.1103	
30 minute winter	PP-S36	23.000_2	S36	10.7	1.583	0.090	0.1137	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S26	48	0.662	0.900	41.2	1.5911	0.0000	SURCHARGED
60 minute summer	S25	50	0.662	0.906	43.1	2.3064	0.0000	SURCHARGED
60 minute summer	S16	49	0.661	0.928	116.7	4.1151	0.0000	SURCHARGED
60 minute summer	S145	49	0.654	0.969	92.6	4.1740	0.0000	SURCHARGED
60 minute summer	S4	62	0.665	0.908	27.3	1.6049	0.0000	SURCHARGED
60 minute summer	S5	68	0.670	0.954	82.9	1.6849	0.0000	SURCHARGED
60 minute summer	S9	35	0.665	0.961	35.7	2.2141	0.0000	SURCHARGED
60 minute summer	S10	52	0.647	0.968	37.1	1.7113	0.0000	SURCHARGED
60 minute summer	S11	52	0.647	0.973	112.7	1.7199	0.0000	SURCHARGED
60 minute summer	S12	52	0.645	0.980	121.4	1.7317	0.0000	SURCHARGED
60 minute summer	S1	65	0.670	0.934	48.4	2.1996	0.0000	SURCHARGED
60 minute summer	S3	51	0.643	0.950	46.7	3.0389	0.0000	SURCHARGED
60 minute summer	S2	52	0.642	0.978	47.0	1.7283	0.0000	SURCHARGED
60 minute summer	S14	72	0.669	0.978	38.8	1.7280	0.0000	SURCHARGED
60 minute summer	S15	52	0.641	0.987	161.4	4.4446	0.0000	SURCHARGED
60 minute summer	S75	45	0.645	1.007	171.1	2.5636	0.0000	SURCHARGED
60 minute summer	S87	36	0.756	1.042	30.3	3.3803	0.0000	SURCHARGED
60 minute summer	S88	36	0.752	1.060	55.1	3.4563	0.0000	SURCHARGED
60 minute summer	S89	36	0.743	1.073	85.3	3.4792	0.0000	SURCHARGED
60 minute summer	S90	36	0.723	1.075	94.2	3.4254	0.0000	SURCHARGED
60 minute summer	S92	36	0.657	1.036	174.0	2.6363	0.0000	SURCHARGED
60 minute summer	S81	36	0.746	1.048	30.3	3.3834	0.0000	SURCHARGED
60 minute summer	S82	36	0.748	1.072	55.2	3.4815	0.0000	SURCHARGED
60 minute summer	S83	36	0.746	1.091	72.2	3.5223	0.0000	SURCHARGED
60 minute summer	S84	36	0.717	1.084	98.4	3.4378	0.0000	SURCHARGED
60 minute summer	S86	36	0.666	1.059	118.8	2.6955	0.0000	SURCHARGED
60 minute summer	S76	36	0.730	1.047	30.3	3.3659	0.0000	SURCHARGED
60 minute summer	S77	36	0.730	1.069	54.4	3.4571	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	S26	1.000	S16	-37.9	-0.239	-0.535	9.2005	
60 minute summer	S25	2.000	S16	-39.7	-0.250	-0.562	7.3393	
60 minute summer	S16	1.001	S145	-78.2	-0.494	-1.097	15.0038	
60 minute summer	S145	1.002	S75	47.8	0.302	0.678	15.0038	
60 minute summer	S4	3.000	S5	-26.7	-0.169	-0.379	13.1095	
60 minute summer	S5	3.001	S11	-74.4	-0.470	-1.043	13.1095	
60 minute summer	S9	4.000	S10	-26.3	0.204	-0.375	8.0648	
60 minute summer	S10	4.001	S11	-37.1	0.347	-0.488	1.3780	
60 minute summer	S11	3.002	S12	-112.7	-0.712	-1.598	2.8740	
60 minute summer	S12	3.003	S15	-118.4	-0.747	-1.720	3.6838	
60 minute summer	S1	5.000	S3	-32.7	-0.206	-0.459	13.5151	
60 minute summer	S3	5.001	S2	24.3	0.257	0.343	9.1848	
60 minute summer	S2	5.002	S15	34.1	0.215	0.500	3.4165	
60 minute summer	S14	6.000	S15	-38.8	-0.245	-0.551	11.8707	
60 minute summer	S15	3.004	S75	-122.4	-0.773	-1.710	4.9661	
60 minute summer	S75	1.003	S92	-167.4	-1.056	-2.352	5.3380	
60 minute summer	S87	7.000	S88	28.4	0.199	0.398	6.8747	
60 minute summer	S88	7.001	S89	54.2	0.342	0.760	6.8747	
60 minute summer	S89	7.002	S90	68.1	0.430	0.955	6.8747	
60 minute summer	S90	7.003	S92	89.0	0.562	1.263	8.6413	
60 minute summer	S92	1.005	S86	118.3	0.746	1.664	4.4095	
60 minute summer	S81	8.000	S82	26.2	0.199	0.367	6.8747	
60 minute summer	S82	8.001	S83	48.2	0.304	0.692	6.8747	
60 minute summer	S83	8.002	S84	68.1	0.430	0.955	6.8747	
60 minute summer	S84	8.003	S86	92.3	0.583	1.300	8.1975	
60 minute summer	S86	1.006	S30	121.2	0.765	1.708	4.4165	
60 minute summer	S76	9.000	S77	24.2	0.199	0.339	6.8747	
60 minute summer	S77	9.001	S78	47.4	0.299	0.665	6.8747	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S78	36	0.718	1.079	78.5	3.4671	0.0000	SURCHARGED
60 minute summer	S79	37	0.696	1.078	97.0	3.4046	0.0000	SURCHARGED
60 minute summer	S30	37	0.659	1.066	135.5	2.7142	0.0000	SURCHARGED
60 minute summer	S31	36	0.645	0.981	32.7	3.2494	0.0000	SURCHARGED
60 minute summer	S32	36	0.637	1.016	63.3	3.1383	0.0000	SURCHARGED
60 minute summer	S33	41	0.627	1.050	138.5	2.6728	0.0000	SURCHARGED
60 minute summer	S34	42	0.595	1.034	131.2	1.8279	0.0000	SURCHARGED
60 minute summer	S35	38	0.504	0.970	128.3	1.7146	0.0000	SURCHARGED
60 minute summer	S36	39	0.484	0.926	9.8	1.6359	0.0000	SURCHARGED
60 minute summer	S37	38	0.481	0.952	167.7	4.6788	0.0000	SURCHARGED
60 minute summer	S38	40	0.253	0.769	162.7	1.3582	0.0000	SURCHARGED
60 minute summer	S39	40	0.027	0.589	161.4	1.0416	0.0000	SURCHARGED
60 minute summer	S56	43	-0.012	0.547	6.7	0.9661	0.0000	SURCHARGED
60 minute summer	S57	43	-0.012	0.553	159.9	1.4066	0.0000	SURCHARGED
60 minute summer	S125	41	-0.096	0.459	18.2	0.8109	0.0000	SURCHARGED
60 minute summer	S127	41	-0.097	0.482	156.0	1.2272	0.0000	SURCHARGED
60 minute summer	S119	42	-0.178	0.391	12.3	0.6914	0.0000	OK
60 minute summer	S60	41	-0.178	0.415	151.7	1.0569	0.0000	OK
60 minute summer	Pond Inlet 1	44	-0.300	0.310	151.3	0.5484	0.0000	OK
60 minute summer	Pond Outlet	1399	-0.430	0.180	132.3	0.2038	0.0000	OK
60 minute summer	S13	1491	-0.430	0.208	1.1	0.7215	0.0000	OK
60 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute summer	PP-S26	48	0.664	0.164	23.4	14.7771	0.0000	OK
60 minute summer	PP-S25	50	0.663	0.163	34.6	12.9353	0.0000	OK
60 minute summer	PP-S16	49	0.662	0.162	39.7	19.6523	0.0000	OK
60 minute summer	PP-S145	47	0.655	0.155	49.1	19.3287	0.0000	OK
60 minute summer	PP-S4	51	0.651	0.151	42.3	16.9454	0.0000	OK
60 minute summer	PP-S1	58	0.645	0.145	39.2	47.9220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S78	9.002	S79	66.7	0.421	0.957	6.8745	
60 minute summer	S79	9.003	S30	94.5	0.596	1.314	7.6907	
60 minute summer	S30	1.007	S33	121.2	0.765	1.702	5.0209	
60 minute summer	S31	10.000	S32	34.6	0.218	0.489	13.6740	
60 minute summer	S32	10.001	S33	50.4	0.318	0.705	13.6740	
60 minute summer	S33	1.008	S34	124.0	0.783	1.759	5.1108	
60 minute summer	S34	1.009	S35	127.8	0.807	1.800	8.5103	
60 minute summer	S35	1.010	S37	128.0	0.808	1.926	1.7947	
60 minute summer	S36	11.000	S37	9.9	-0.094	0.139	9.1184	
60 minute summer	S37	1.011	S38	162.7	1.027	2.303	14.3287	
60 minute summer	S38	1.012	S39	161.4	1.019	2.259	14.3287	
60 minute summer	S39	1.013	S57	159.9	1.010	2.524	1.1814	
60 minute summer	S56	12.011	S57	-6.7	-0.237	-0.099	2.0645	
60 minute summer	S57	1.014	S127	156.0	1.012	2.205	4.4483	
60 minute summer	S125	21.003	S127	-18.2	-0.263	-0.260	7.8151	
60 minute summer	S127	1.015	S60	151.7	1.009	2.129	4.3104	
60 minute summer	S119	22.003	S60	-12.3	-0.236	-0.177	7.3780	
60 minute summer	S60	1.016	Pond Inlet 1	151.3	1.105	1.998	4.0193	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	132.3	0.053	0.003	926.1834	
60 minute summer	Pond Outlet	1.018	S13	1.1	0.327	0.015	0.3271	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	-16.8	-0.932	-0.436	0.3516	
60 minute summer	PP-S25	2.000_1	S25	-28.7	-1.214	-0.500	0.1764	
60 minute summer	PP-S16	3.000_1	S16	-29.5	-1.242	-0.437	0.1757	
60 minute summer	PP-S145	4.000_2	S145	-37.4	-1.424	-0.442	0.1722	
60 minute summer	PP-S4	1.000_2	S4	-33.0	-1.707	-0.580	0.1675	
60 minute summer	PP-S1	4.000_1	S1	27.4	1.212	0.414	0.1670	

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Results for 30 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP-S5	50	0.649	0.149	37.5	19.6901	0.0000	OK
60 minute summer	PP-S12	52	0.644	0.144	27.0	13.8636	0.0000	OK
60 minute summer	PP-S14	69	0.616	0.116	38.9	50.2892	0.0000	OK
60 minute summer	PP-S2	51	0.643	0.143	29.0	14.6929	0.0000	OK
60 minute summer	PP-S15	49	0.643	0.143	24.8	7.6174	0.0000	OK
60 minute summer	PP-S75	45	0.646	0.146	29.0	8.6218	0.0000	OK
60 minute summer	PP-S24	42	0.657	0.157	62.9	19.4436	0.0000	OK
60 minute summer	PP-S30	39	0.660	0.160	51.7	8.8824	0.0000	OK
60 minute summer	PP-S33	40	0.630	0.130	27.1	7.0842	0.0000	OK
60 minute summer	PP-S34	42	0.583	0.083	21.6	7.9916	0.0000	OK
60 minute summer	PP-S35	40	0.519	0.019	1.9	0.3694	0.0000	OK
60 minute summer	PP-S36	40	0.542	0.042	9.5	1.8071	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP-S5	2.000_2	S5	-23.7	1.205	-0.320	0.1691	
60 minute summer	PP-S12	8.000_1	S12	25.0	1.041	0.275	0.1666	
60 minute summer	PP-S14	11.000_1	S14	-38.7	1.558	-0.467	0.1512	
60 minute summer	PP-S2	10.000_1	S2	23.4	1.107	0.257	0.1659	
60 minute summer	PP-S15	12.000_1	S15	28.4	1.157	0.302	0.1659	
60 minute summer	PP-S75	13.000_1	S75	24.2	1.175	0.245	0.1676	
60 minute summer	PP-S24	14.000_1	S92	-48.8	-1.594	-0.475	0.1733	
60 minute summer	PP-S30	18.000_1	S30	-46.4	-1.481	-0.416	0.1751	
60 minute summer	PP-S33	20.000_1	S33	-20.9	1.290	-0.183	0.1586	
60 minute summer	PP-S34	21.000_1	S34	28.5	1.605	0.241	0.1325	
60 minute summer	PP-S35	22.000_2	S35	1.8	0.985	0.014	0.1034	
60 minute summer	PP-S36	23.000_2	S36	9.0	1.540	0.076	0.1121	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	51	0.699	0.937	15.9	1.6555	0.0000	SURCHARGED
60 minute winter	S25	51	0.699	0.943	22.8	2.3995	0.0000	SURCHARGED
60 minute winter	S16	51	0.698	0.965	74.4	4.2783	0.0000	SURCHARGED
60 minute winter	S145	52	0.689	1.004	72.0	4.3244	0.0000	SURCHARGED
60 minute winter	S4	53	0.682	0.925	64.3	1.6337	0.0000	SURCHARGED
60 minute winter	S5	54	0.680	0.964	71.3	1.7027	0.0000	SURCHARGED
60 minute winter	S9	34	0.707	1.003	13.7	2.3107	0.0000	SURCHARGED
60 minute winter	S10	52	0.677	0.998	35.5	1.7632	0.0000	SURCHARGED
60 minute winter	S11	55	0.677	1.003	79.1	1.7720	0.0000	SURCHARGED
60 minute winter	S12	55	0.676	1.011	84.1	1.7861	0.0000	SURCHARGED
60 minute winter	S1	59	0.680	0.944	27.4	2.2236	0.0000	SURCHARGED
60 minute winter	S3	56	0.676	0.983	44.9	3.1451	0.0000	SURCHARGED
60 minute winter	S2	55	0.675	1.011	42.1	1.7866	0.0000	SURCHARGED
60 minute winter	S14	51	0.669	0.978	44.4	1.7277	0.0000	SURCHARGED
60 minute winter	S15	55	0.675	1.021	129.7	4.5935	0.0000	SURCHARGED
60 minute winter	S75	48	0.677	1.039	125.4	2.6448	0.0000	SURCHARGED
60 minute winter	S87	35	0.782	1.068	24.5	3.4654	0.0000	SURCHARGED
60 minute winter	S88	35	0.772	1.080	46.9	3.5204	0.0000	SURCHARGED
60 minute winter	S89	35	0.746	1.076	68.8	3.4885	0.0000	SURCHARGED
60 minute winter	S90	36	0.721	1.073	92.6	3.4163	0.0000	SURCHARGED
60 minute winter	S92	43	0.695	1.074	136.8	2.7323	0.0000	SURCHARGED
60 minute winter	S81	35	0.779	1.081	26.4	3.4891	0.0000	SURCHARGED
60 minute winter	S82	35	0.764	1.088	46.0	3.5342	0.0000	SURCHARGED
60 minute winter	S83	35	0.764	1.109	69.2	3.5789	0.0000	SURCHARGED
60 minute winter	S84	36	0.733	1.100	91.9	3.4905	0.0000	SURCHARGED
60 minute winter	S86	40	0.698	1.091	122.1	2.7767	0.0000	SURCHARGED
60 minute winter	S76	36	0.755	1.072	24.5	3.4458	0.0000	SURCHARGED
60 minute winter	S77	36	0.754	1.093	47.4	3.5343	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 winter	S26	1.000	S16	-15.9	-0.101	-0.225	9.2005	
60 minute winter	S25	2.000	S16	-22.8	-0.144	-0.323	7.3393	
60 minute winter	S16	1.001	S145	-41.0	-0.259	-0.574	15.0038	
60 minute winter	S145	1.002	S75	41.9	0.300	0.593	15.0038	
60 minute winter	S4	3.000	S5	-58.7	-0.370	-0.832	13.1095	
60 minute winter	S5	3.001	S11	-62.6	-0.395	-0.877	13.1095	
60 minute winter	S9	4.000	S10	35.5	0.224	0.506	8.0648	
60 minute winter	S10	4.001	S11	37.8	0.369	0.497	1.3780	
60 minute winter	S11	3.002	S12	-79.1	-0.500	-1.121	2.8740	
60 minute winter	S12	3.003	S15	-81.0	-0.511	-1.176	3.6838	
60 minute winter	S1	5.000	S3	23.2	0.147	0.327	13.5151	
60 minute winter	S3	5.001	S2	26.7	0.279	0.378	9.1848	
60 minute winter	S2	5.002	S15	39.5	0.249	0.580	3.4165	
60 minute winter	S14	6.000	S15	-44.4	-0.280	-0.630	11.8707	
60 minute winter	S15	3.004	S75	-96.1	-0.606	-1.342	4.9661	
60 minute winter	S75	1.003	S92	-121.9	-0.769	-1.713	5.3380	
60 minute winter	S87	7.000	S88	22.0	0.208	0.309	6.8747	
60 minute winter	S88	7.001	S89	44.9	0.283	0.629	6.8747	
60 minute winter	S89	7.002	S90	69.7	0.440	0.978	6.8747	
60 minute winter	S90	7.003	S92	95.0	0.600	1.349	8.6413	
60 minute winter	S92	1.005	S86	121.5	0.767	1.709	4.4095	
60 minute winter	S81	8.000	S82	23.5	0.207	0.329	6.8747	
60 minute winter	S82	8.001	S83	46.6	0.294	0.669	6.8747	
60 minute winter	S83	8.002	S84	69.0	0.436	0.968	6.8747	
60 minute winter	S84	8.003	S86	93.6	0.591	1.318	8.1975	
60 minute winter	S86	1.006	S30	121.9	0.769	1.716	4.4165	
60 minute winter	S76	9.000	S77	23.1	0.208	0.324	6.8747	
60 minute winter	S77	9.001	S78	47.9	0.302	0.671	6.8747	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	36	0.743	1.104	70.4	3.5485	0.0000	SURCHARGED
60 minute winter	S79	36	0.724	1.106	90.9	3.4948	0.0000	SURCHARGED
60 minute winter	S30	40	0.698	1.105	141.5	2.8110	0.0000	SURCHARGED
60 minute winter	S31	41	0.673	1.009	31.2	3.3414	0.0000	SURCHARGED
60 minute winter	S32	41	0.674	1.053	46.0	3.2518	0.0000	SURCHARGED
60 minute winter	S33	41	0.668	1.091	142.8	2.7771	0.0000	SURCHARGED
60 minute winter	S34	45	0.621	1.060	129.4	1.8737	0.0000	SURCHARGED
60 minute winter	S35	42	0.531	0.997	129.9	1.7616	0.0000	SURCHARGED
60 minute winter	S36	42	0.504	0.946	10.3	1.6711	0.0000	SURCHARGED
60 minute winter	S37	41	0.503	0.974	164.8	4.7882	0.0000	SURCHARGED
60 minute winter	S38	41	0.272	0.788	159.6	1.3931	0.0000	SURCHARGED
60 minute winter	S39	42	0.041	0.603	159.3	1.0662	0.0000	SURCHARGED
60 minute winter	S56	42	0.000	0.559	3.7	0.9886	0.0000	SURCHARGED
60 minute winter	S57	42	0.000	0.565	157.5	1.4391	0.0000	SURCHARGED
60 minute winter	S125	43	-0.087	0.468	10.2	0.8261	0.0000	SURCHARGED
60 minute winter	S127	43	-0.087	0.492	154.5	1.2509	0.0000	SURCHARGED
60 minute winter	S119	43	-0.173	0.396	10.6	0.6993	0.0000	OK
60 minute winter	S60	43	-0.173	0.420	153.4	1.0682	0.0000	OK
60 minute winter	Pond Inlet 1	44	-0.296	0.314	153.3	0.5548	0.0000	OK
60 minute winter	Pond Outlet	1495	-0.409	0.201	138.3	0.2268	0.0000	OK
60 minute winter	S13	1497	-0.409	0.229	1.3	0.7920	0.0000	OK
60 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	51	0.700	0.200	22.1	18.7641	0.0000	OK
60 minute winter	PP-S25	51	0.699	0.199	30.2	16.3534	0.0000	OK
60 minute winter	PP-S16	51	0.699	0.199	29.0	26.0399	0.0000	OK
60 minute winter	PP-S145	53	0.689	0.189	32.9	25.5573	0.0000	OK
60 minute winter	PP-S4	53	0.682	0.182	21.0	21.7156	0.0000	OK
60 minute winter	PP-S1	60	0.681	0.181	47.4	60.7928	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	S78	9.002	S79	68.9	0.435	0.989	6.8745	
60 minute winter	S79	9.003	S30	89.6	0.566	1.246	7.6907	
60 minute winter	S30	1.007	S33	122.0	0.770	1.714	5.0209	
60 minute winter	S31	10.000	S32	24.1	0.231	0.341	13.6740	
60 minute winter	S32	10.001	S33	49.8	0.315	0.697	13.6740	
60 minute winter	S33	1.008	S34	124.7	0.787	1.767	5.1108	
60 minute winter	S34	1.009	S35	129.4	0.817	1.822	8.5103	
60 minute winter	S35	1.010	S37	130.1	0.821	1.958	1.7947	
60 minute winter	S36	11.000	S37	10.0	-0.106	0.140	9.1184	
60 minute winter	S37	1.011	S38	159.6	1.007	2.259	14.3287	
60 minute winter	S38	1.012	S39	159.3	1.005	2.229	14.3287	
60 minute winter	S39	1.013	S57	157.5	0.994	2.486	1.1814	
60 minute winter	S56	12.011	S57	-3.7	-0.245	-0.055	2.0645	
60 minute winter	S57	1.014	S127	154.5	0.976	2.185	4.4483	
60 minute winter	S125	21.003	S127	-10.2	-0.292	-0.147	7.8151	
60 minute winter	S127	1.015	S60	153.4	0.976	2.153	4.3243	
60 minute winter	S119	22.003	S60	-10.6	-0.264	-0.152	7.4377	
60 minute winter	S60	1.016	Pond Inlet 1	153.3	1.109	2.024	4.0580	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	137.9	0.054	0.003	1035.3290	
60 minute winter	Pond Outlet	1.018	S13	1.3	0.326	0.018	0.3654	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-15.6	0.620	-0.407	0.3854	
60 minute winter	PP-S25	2.000_1	S25	-24.7	-1.289	-0.430	0.1924	
60 minute winter	PP-S16	3.000_1	S16	19.8	1.024	0.294	0.1923	
60 minute winter	PP-S145	4.000_2	S145	25.5	1.272	0.302	0.1886	
60 minute winter	PP-S4	1.000_2	S4	16.9	0.916	0.296	0.1853	
60 minute winter	PP-S1	4.000_1	S1	24.5	1.257	0.369	0.1851	

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Results for 30 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	54	0.680	0.180	31.0	25.8142	0.0000	OK
60 minute winter	PP-S12	54	0.676	0.176	40.3	17.4272	0.0000	OK
60 minute winter	PP-S14	72	0.646	0.146	44.5	69.1445	0.0000	OK
60 minute winter	PP-S2	55	0.675	0.175	27.0	18.3446	0.0000	OK
60 minute winter	PP-S15	55	0.675	0.175	22.0	9.5406	0.0000	OK
60 minute winter	PP-S75	49	0.677	0.177	27.5	10.6692	0.0000	OK
60 minute winter	PP-S24	43	0.699	0.199	64.6	26.0212	0.0000	OK
60 minute winter	PP-S30	40	0.699	0.199	53.4	11.2071	0.0000	OK
60 minute winter	PP-S33	41	0.670	0.170	28.2	9.6177	0.0000	OK
60 minute winter	PP-S34	44	0.616	0.116	23.4	12.7719	0.0000	OK
60 minute winter	PP-S35	42	0.531	0.031	2.3	0.6908	0.0000	OK
60 minute winter	PP-S36	40	0.542	0.042	9.3	1.7909	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	PP-S5	2.000_2	S5	18.3	1.214	0.247	0.1844	
60 minute winter	PP-S12	8.000_1	S12	-35.5	-1.332	-0.390	0.1829	
60 minute winter	PP-S14	11.000_1	S14	-44.3	1.551	-0.535	0.1675	
60 minute winter	PP-S2	10.000_1	S2	26.2	1.093	0.287	0.1824	
60 minute winter	PP-S15	12.000_1	S15	24.4	1.136	0.259	0.1823	
60 minute winter	PP-S75	13.000_1	S75	-21.9	1.151	-0.222	0.1834	
60 minute winter	PP-S24	14.000_1	S92	-50.7	-1.579	-0.494	0.1923	
60 minute winter	PP-S30	18.000_1	S30	-48.3	-1.597	-0.434	0.1924	
60 minute winter	PP-S33	20.000_1	S33	-22.2	1.308	-0.194	0.1800	
60 minute winter	PP-S34	21.000_1	S34	26.7	1.620	0.226	0.1512	
60 minute winter	PP-S35	22.000_2	S35	2.8	0.996	0.022	0.1075	
60 minute winter	PP-S36	23.000_2	S36	8.9	1.581	0.075	0.1120	

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Results for 30 year 120 minute summer. 1560 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	S26	82	0.664	0.902	16.0	1.5939	0.0000	SURCHARGED
120 minute summer	S25	82	0.664	0.908	17.6	2.3112	0.0000	SURCHARGED
120 minute summer	S16	82	0.663	0.930	61.7	4.1251	0.0000	SURCHARGED
120 minute summer	S145	84	0.657	0.972	54.5	4.1851	0.0000	SURCHARGED
120 minute summer	S4	104	0.666	0.909	19.9	1.6070	0.0000	SURCHARGED
120 minute summer	S5	118	0.690	0.974	39.6	1.7217	0.0000	SURCHARGED
120 minute summer	S9	84	0.649	0.945	14.6	2.1776	0.0000	SURCHARGED
120 minute summer	S10	86	0.648	0.969	18.6	1.7118	0.0000	SURCHARGED
120 minute summer	S11	86	0.648	0.974	61.1	1.7207	0.0000	SURCHARGED
120 minute summer	S12	82	0.647	0.982	66.6	1.7355	0.0000	SURCHARGED
120 minute summer	S1	104	0.671	0.935	26.0	2.2025	0.0000	SURCHARGED
120 minute summer	S3	90	0.647	0.954	34.8	3.0514	0.0000	SURCHARGED
120 minute summer	S2	80	0.647	0.983	41.5	1.7375	0.0000	SURCHARGED
120 minute summer	S14	78	0.643	0.952	37.9	1.6827	0.0000	SURCHARGED
120 minute summer	S15	80	0.648	0.994	106.0	4.4720	0.0000	SURCHARGED
120 minute summer	S75	78	0.648	1.010	113.0	2.5705	0.0000	SURCHARGED
120 minute summer	S87	66	0.695	0.981	19.7	3.1820	0.0000	SURCHARGED
120 minute summer	S88	66	0.695	1.003	40.8	3.2706	0.0000	SURCHARGED
120 minute summer	S89	66	0.685	1.015	60.6	3.2901	0.0000	SURCHARGED
120 minute summer	S90	66	0.672	1.024	79.3	3.2609	0.0000	SURCHARGED
120 minute summer	S92	74	0.651	1.030	120.3	2.6224	0.0000	SURCHARGED
120 minute summer	S81	66	0.715	1.017	19.7	3.2834	0.0000	SURCHARGED
120 minute summer	S82	66	0.709	1.033	41.4	3.3527	0.0000	SURCHARGED
120 minute summer	S83	66	0.709	1.054	61.1	3.4014	0.0000	SURCHARGED
120 minute summer	S84	66	0.686	1.053	80.9	3.3401	0.0000	SURCHARGED
120 minute summer	S86	74	0.649	1.042	118.9	2.6515	0.0000	SURCHARGED
120 minute summer	S76	66	0.702	1.019	19.7	3.2777	0.0000	SURCHARGED
120 minute summer	S77	66	0.703	1.042	39.0	3.3678	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	S26	1.000	S16	11.7	0.074	0.166	9.2005	
120 minute summer	S25	2.000	S16	-17.6	-0.111	-0.249	7.3393	
120 minute summer	S16	1.001	S145	-34.6	-0.219	-0.486	15.0038	
120 minute summer	S145	1.002	S75	38.9	0.257	0.552	15.0038	
120 minute summer	S4	3.000	S5	13.2	0.109	0.187	13.1095	
120 minute summer	S5	3.001	S11	-32.9	-0.209	-0.461	13.1095	
120 minute summer	S9	4.000	S10	18.6	0.167	0.265	8.0648	
120 minute summer	S10	4.001	S11	27.0	0.189	0.355	1.3780	
120 minute summer	S11	3.002	S12	-61.1	-0.386	-0.866	2.8740	
120 minute summer	S12	3.003	S15	-64.2	-0.405	-0.932	3.6838	
120 minute summer	S1	5.000	S3	23.7	0.150	0.333	13.5151	
120 minute summer	S3	5.001	S2	22.6	0.212	0.319	9.1848	
120 minute summer	S2	5.002	S15	29.3	0.185	0.430	3.4165	
120 minute summer	S14	6.000	S15	-37.9	-0.239	-0.539	11.8707	
120 minute summer	S15	3.004	S75	79.8	0.503	1.114	4.9661	
120 minute summer	S75	1.003	S92	115.1	0.726	1.617	5.3380	
120 minute summer	S87	7.000	S88	22.4	0.173	0.314	6.8747	
120 minute summer	S88	7.001	S89	42.2	0.266	0.591	6.8747	
120 minute summer	S89	7.002	S90	61.3	0.387	0.860	6.8747	
120 minute summer	S90	7.003	S92	78.9	0.498	1.120	8.6413	
120 minute summer	S92	1.005	S86	115.7	0.730	1.629	4.4095	
120 minute summer	S81	8.000	S82	23.0	0.173	0.322	6.8747	
120 minute summer	S82	8.001	S83	42.7	0.270	0.613	6.8747	
120 minute summer	S83	8.002	S84	62.9	0.397	0.881	6.8747	
120 minute summer	S84	8.003	S86	81.4	0.514	1.146	8.1975	
120 minute summer	S86	1.006	S30	116.1	0.733	1.635	4.4165	
120 minute summer	S76	9.000	S77	20.6	0.173	0.289	6.8747	
120 minute summer	S77	9.001	S78	41.7	0.263	0.585	6.8747	

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Results for 30 year 120 minute summer. 1560 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	S78	66	0.696	1.057	60.1	3.3973	0.0000	SURCHARGED
120 minute summer	S79	66	0.678	1.060	78.8	3.3476	0.0000	SURCHARGED
120 minute summer	S30	70	0.645	1.052	132.6	2.6769	0.0000	SURCHARGED
120 minute summer	S31	72	0.622	0.958	21.2	3.1742	0.0000	SURCHARGED
120 minute summer	S32	72	0.622	1.001	36.7	3.0912	0.0000	SURCHARGED
120 minute summer	S33	72	0.617	1.040	128.7	2.6471	0.0000	SURCHARGED
120 minute summer	S34	74	0.575	1.014	127.5	1.7917	0.0000	SURCHARGED
120 minute summer	S35	74	0.488	0.954	128.0	1.6853	0.0000	SURCHARGED
120 minute summer	S36	70	0.452	0.894	7.0	1.5798	0.0000	SURCHARGED
120 minute summer	S37	74	0.457	0.928	154.5	4.5601	0.0000	SURCHARGED
120 minute summer	S38	74	0.236	0.752	154.7	1.3295	0.0000	SURCHARGED
120 minute summer	S39	74	0.019	0.581	153.9	1.0259	0.0000	SURCHARGED
120 minute summer	S56	74	-0.020	0.539	2.0	0.9522	0.0000	SURCHARGED
120 minute summer	S57	74	-0.020	0.545	153.0	1.3865	0.0000	SURCHARGED
120 minute summer	S125	74	-0.103	0.452	5.5	0.7993	0.0000	SURCHARGED
120 minute summer	S127	74	-0.103	0.476	150.8	1.2115	0.0000	SURCHARGED
120 minute summer	S119	74	-0.181	0.388	6.3	0.6855	0.0000	OK
120 minute summer	S60	74	-0.181	0.412	149.5	1.0489	0.0000	OK
120 minute summer	Pond Inlet 1	76	-0.301	0.309	149.1	0.5460	0.0000	OK
120 minute summer	Pond Outlet	1304	-0.393	0.217	126.3	0.2451	0.0000	OK
120 minute summer	S13	1180	-0.393	0.245	0.8	0.8479	0.0000	OK
120 minute summer	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute summer	PP-S26	82	0.665	0.165	16.7	14.8732	0.0000	OK
120 minute summer	PP-S25	82	0.664	0.164	24.2	13.0302	0.0000	OK
120 minute summer	PP-S16	82	0.664	0.164	26.4	20.0464	0.0000	OK
120 minute summer	PP-S145	84	0.657	0.157	25.3	19.7553	0.0000	OK
120 minute summer	PP-S4	84	0.656	0.156	17.0	17.6876	0.0000	OK
120 minute summer	PP-S1	90	0.652	0.152	32.1	50.2920	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S78	9.002	S79	60.8	0.384	0.873	6.8745	
120 minute summer	S79	9.003	S30	77.6	0.490	1.079	7.6907	
120 minute summer	S30	1.007	S33	118.6	0.748	1.666	5.0209	
120 minute summer	S31	10.000	S32	19.7	0.179	0.278	13.6740	
120 minute summer	S32	10.001	S33	36.1	0.241	0.505	13.6740	
120 minute summer	S33	1.008	S34	123.6	0.780	1.752	5.1108	
120 minute summer	S34	1.009	S35	127.6	0.805	1.796	8.5103	
120 minute summer	S35	1.010	S37	127.6	0.806	1.921	1.7947	
120 minute summer	S36	11.000	S37	7.7	-0.075	0.108	9.1184	
120 minute summer	S37	1.011	S38	154.7	0.977	2.190	14.3287	
120 minute summer	S38	1.012	S39	153.9	0.971	2.153	14.3287	
120 minute summer	S39	1.013	S57	153.0	0.966	2.415	1.1814	
120 minute summer	S56	12.011	S57	-2.0	-0.192	-0.030	2.0645	
120 minute summer	S57	1.014	S127	150.8	0.952	2.132	4.4483	
120 minute summer	S125	21.003	S127	-5.5	-0.200	-0.079	7.8134	
120 minute summer	S127	1.015	S60	149.5	0.952	2.099	4.2995	
120 minute summer	S119	22.003	S60	-6.3	-0.177	-0.090	7.3351	
120 minute summer	S60	1.016	Pond Inlet 1	149.1	1.095	1.969	4.0008	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	126.3	0.050	0.003	1123.1396	
120 minute summer	Pond Outlet	1.018	S13	0.8	0.281	0.011	0.3938	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	12.2	-0.701	0.316	0.3531	
120 minute summer	PP-S25	2.000_1	S25	-19.9	-1.137	-0.347	0.1770	
120 minute summer	PP-S16	3.000_1	S16	19.1	-0.987	0.283	0.1769	
120 minute summer	PP-S145	4.000_2	S145	27.1	1.206	0.321	0.1734	
120 minute summer	PP-S4	1.000_2	S4	13.9	0.875	0.245	0.1713	
120 minute summer	PP-S1	4.000_1	S1	23.8	1.207	0.359	0.1706	

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Results for 30 year 120 minute summer. 1560 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	PP-S5	84	0.654	0.154	21.0	20.6670	0.0000	OK
120 minute summer	PP-S12	82	0.648	0.148	20.2	14.2585	0.0000	OK
120 minute summer	PP-S14	104	0.625	0.125	38.1	55.9428	0.0000	OK
120 minute summer	PP-S2	82	0.647	0.147	21.6	15.1472	0.0000	OK
120 minute summer	PP-S15	82	0.646	0.146	18.7	7.8327	0.0000	OK
120 minute summer	PP-S75	80	0.647	0.147	21.3	8.6991	0.0000	OK
120 minute summer	PP-S24	74	0.653	0.153	52.4	18.8304	0.0000	OK
120 minute summer	PP-S30	70	0.645	0.145	43.8	7.9816	0.0000	OK
120 minute summer	PP-S33	74	0.619	0.119	20.2	6.4035	0.0000	OK
120 minute summer	PP-S34	72	0.566	0.066	9.8	5.6378	0.0000	OK
120 minute summer	PP-S35	70	0.517	0.017	1.4	0.3081	0.0000	OK
120 minute summer	PP-S36	70	0.537	0.037	7.3	1.4276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	PP-S5	2.000_2	S5	21.4	1.131	0.289	0.1717	
120 minute summer	PP-S12	8.000_1	S12	27.8	1.029	0.305	0.1686	
120 minute summer	PP-S14	11.000_1	S14	-37.9	1.497	-0.457	0.1562	
120 minute summer	PP-S2	10.000_1	S2	25.8	1.085	0.283	0.1681	
120 minute summer	PP-S15	12.000_1	S15	26.2	1.072	0.278	0.1678	
120 minute summer	PP-S75	13.000_1	S75	21.1	1.090	0.214	0.1683	
120 minute summer	PP-S24	14.000_1	S92	-41.5	1.445	-0.405	0.1713	
120 minute summer	PP-S30	18.000_1	S30	-39.7	-1.253	-0.356	0.1672	
120 minute summer	PP-S33	20.000_1	S33	21.2	1.263	0.186	0.1525	
120 minute summer	PP-S34	21.000_1	S34	19.2	1.538	0.162	0.1238	
120 minute summer	PP-S35	22.000_2	S35	1.4	0.924	0.011	0.1027	
120 minute summer	PP-S36	23.000_2	S36	7.0	1.462	0.059	0.1074	

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Results for 30 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S26	88	0.686	0.924	13.2	1.6330	0.0000	SURCHARGED
120 minute winter	S25	88	0.686	0.930	16.9	2.3665	0.0000	SURCHARGED
120 minute winter	S16	88	0.686	0.953	35.7	4.2247	0.0000	SURCHARGED
120 minute winter	S145	86	0.683	0.998	44.1	4.2953	0.0000	SURCHARGED
120 minute winter	S4	88	0.680	0.923	13.0	1.6301	0.0000	SURCHARGED
120 minute winter	S5	90	0.678	0.962	28.5	1.6999	0.0000	SURCHARGED
120 minute winter	S9	90	0.675	0.971	20.3	2.2379	0.0000	SURCHARGED
120 minute winter	S10	90	0.676	0.997	20.5	1.7610	0.0000	SURCHARGED
120 minute winter	S11	90	0.676	1.002	34.7	1.7699	0.0000	SURCHARGED
120 minute winter	S12	90	0.675	1.010	38.7	1.7844	0.0000	SURCHARGED
120 minute winter	S1	92	0.680	0.944	28.2	2.2229	0.0000	SURCHARGED
120 minute winter	S3	92	0.677	0.984	26.8	3.1456	0.0000	SURCHARGED
120 minute winter	S2	92	0.674	1.010	33.6	1.7852	0.0000	SURCHARGED
120 minute winter	S14	92	0.668	0.977	39.6	1.7269	0.0000	SURCHARGED
120 minute winter	S15	90	0.674	1.020	87.2	4.5895	0.0000	SURCHARGED
120 minute winter	S75	88	0.672	1.034	122.1	2.6312	0.0000	SURCHARGED
120 minute winter	S87	62	0.687	0.973	15.2	3.1569	0.0000	SURCHARGED
120 minute winter	S88	62	0.682	0.990	31.4	3.2287	0.0000	SURCHARGED
120 minute winter	S89	76	0.680	1.010	46.5	3.2720	0.0000	SURCHARGED
120 minute winter	S90	76	0.675	1.027	59.8	3.2699	0.0000	SURCHARGED
120 minute winter	S92	84	0.669	1.048	121.6	2.6674	0.0000	SURCHARGED
120 minute winter	S81	76	0.681	0.983	15.2	3.1734	0.0000	SURCHARGED
120 minute winter	S82	76	0.680	1.004	31.1	3.2611	0.0000	SURCHARGED
120 minute winter	S83	76	0.678	1.023	47.8	3.3033	0.0000	SURCHARGED
120 minute winter	S84	76	0.673	1.040	62.5	3.3001	0.0000	SURCHARGED
120 minute winter	S86	80	0.666	1.059	121.2	2.6944	0.0000	SURCHARGED
120 minute winter	S76	72	0.673	0.990	15.2	3.1822	0.0000	SURCHARGED
120 minute winter	S77	76	0.672	1.011	29.6	3.2689	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	S26	1.000	S16	14.5	0.091	0.204	9.2005	
120 minute winter	S25	2.000	S16	-14.1	-0.089	-0.199	7.3393	
120 minute winter	S16	1.001	S145	30.5	0.192	0.427	15.0038	
120 minute winter	S145	1.002	S75	38.1	0.272	0.540	15.0038	
120 minute winter	S4	3.000	S5	12.8	0.113	0.182	13.1095	
120 minute winter	S5	3.001	S11	25.9	0.163	0.362	13.1095	
120 minute winter	S9	4.000	S10	-14.9	0.182	-0.212	8.0648	
120 minute winter	S10	4.001	S11	-20.5	0.235	-0.269	1.3780	
120 minute winter	S11	3.002	S12	-34.7	-0.220	-0.492	2.8740	
120 minute winter	S12	3.003	S15	42.7	0.270	0.621	3.6838	
120 minute winter	S1	5.000	S3	23.6	0.149	0.332	13.5151	
120 minute winter	S3	5.001	S2	21.7	0.230	0.306	9.1848	
120 minute winter	S2	5.002	S15	38.7	0.244	0.568	3.4165	
120 minute winter	S14	6.000	S15	-39.6	-0.250	-0.562	11.8707	
120 minute winter	S15	3.004	S75	86.3	0.545	1.205	4.9661	
120 minute winter	S75	1.003	S92	119.6	0.755	1.681	5.3380	
120 minute winter	S87	7.000	S88	15.8	0.175	0.221	6.8747	
120 minute winter	S88	7.001	S89	30.9	0.212	0.434	6.8747	
120 minute winter	S89	7.002	S90	45.0	0.284	0.630	6.8747	
120 minute winter	S90	7.003	S92	59.5	0.375	0.844	8.6413	
120 minute winter	S92	1.005	S86	119.7	0.755	1.684	4.4095	
120 minute winter	S81	8.000	S82	15.5	0.174	0.217	6.8747	
120 minute winter	S82	8.001	S83	32.2	0.209	0.462	6.8747	
120 minute winter	S83	8.002	S84	47.3	0.298	0.663	6.8747	
120 minute winter	S84	8.003	S86	65.5	0.413	0.922	8.1975	
120 minute winter	S86	1.006	S30	118.7	0.749	1.672	4.4165	
120 minute winter	S76	9.000	S77	14.4	0.175	0.202	6.8747	
120 minute winter	S77	9.001	S78	30.5	0.210	0.428	6.8747	

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Results for 30 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S78	76	0.670	1.031	46.1	3.3137	0.0000	SURCHARGED
120 minute winter	S79	76	0.665	1.047	62.1	3.3079	0.0000	SURCHARGED
120 minute winter	S30	78	0.656	1.063	123.3	2.7048	0.0000	SURCHARGED
120 minute winter	S31	76	0.628	0.964	16.4	3.1918	0.0000	SURCHARGED
120 minute winter	S32	76	0.627	1.006	29.2	3.1058	0.0000	SURCHARGED
120 minute winter	S33	80	0.624	1.047	126.0	2.6647	0.0000	SURCHARGED
120 minute winter	S34	80	0.578	1.017	128.8	1.7965	0.0000	SURCHARGED
120 minute winter	S35	80	0.481	0.947	129.7	1.6734	0.0000	SURCHARGED
120 minute winter	S36	76	0.448	0.890	6.2	1.5722	0.0000	SURCHARGED
120 minute winter	S37	76	0.448	0.919	151.8	4.5154	0.0000	SURCHARGED
120 minute winter	S38	76	0.231	0.747	150.1	1.3202	0.0000	SURCHARGED
120 minute winter	S39	80	0.015	0.577	149.7	1.0191	0.0000	SURCHARGED
120 minute winter	S56	80	-0.024	0.535	2.1	0.9461	0.0000	SURCHARGED
120 minute winter	S57	80	-0.024	0.541	149.4	1.3777	0.0000	SURCHARGED
120 minute winter	S125	76	-0.105	0.450	6.0	0.7947	0.0000	OK
120 minute winter	S127	76	-0.105	0.474	148.7	1.2056	0.0000	SURCHARGED
120 minute winter	S119	76	-0.182	0.387	4.3	0.6843	0.0000	OK
120 minute winter	S60	76	-0.182	0.411	148.6	1.0467	0.0000	OK
120 minute winter	Pond Inlet 1	82	-0.301	0.309	148.5	0.5466	0.0000	OK
120 minute winter	Pond Outlet	1260	-0.369	0.241	126.2	0.2724	0.0000	OK
120 minute winter	S13	1308	-0.369	0.269	1.1	0.9316	0.0000	OK
120 minute winter	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute winter	PP-S26	88	0.687	0.187	15.6	17.2824	0.0000	OK
120 minute winter	PP-S25	88	0.686	0.186	15.1	15.0992	0.0000	OK
120 minute winter	PP-S16	88	0.686	0.186	20.0	23.8645	0.0000	OK
120 minute winter	PP-S145	86	0.683	0.183	22.8	24.3838	0.0000	OK
120 minute winter	PP-S4	88	0.680	0.180	16.4	21.4270	0.0000	OK
120 minute winter	PP-S1	94	0.681	0.181	31.4	60.7498	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S78	9.002	S79	46.9	0.296	0.674	6.8745	
120 minute winter	S79	9.003	S30	64.0	0.404	0.890	7.6907	
120 minute winter	S30	1.007	S33	119.6	0.755	1.680	5.0209	
120 minute winter	S31	10.000	S32	15.4	0.191	0.217	13.6740	
120 minute winter	S32	10.001	S33	29.9	0.254	0.418	13.6740	
120 minute winter	S33	1.008	S34	125.5	0.792	1.779	5.1108	
120 minute winter	S34	1.009	S35	129.2	0.816	1.820	8.5103	
120 minute winter	S35	1.010	S37	129.9	0.820	1.955	1.7947	
120 minute winter	S36	11.000	S37	6.6	-0.075	0.092	9.1184	
120 minute winter	S37	1.011	S38	150.1	0.948	2.125	14.3287	
120 minute winter	S38	1.012	S39	149.7	0.945	2.095	14.3287	
120 minute winter	S39	1.013	S57	149.4	0.943	2.358	1.1814	
120 minute winter	S56	12.011	S57	-2.1	-0.193	-0.031	2.0645	
120 minute winter	S57	1.014	S127	148.7	0.939	2.102	4.4483	
120 minute winter	S125	21.003	S127	-6.0	-0.205	-0.086	7.8120	
120 minute winter	S127	1.015	S60	148.6	0.941	2.086	4.2964	
120 minute winter	S119	22.003	S60	-4.3	-0.193	-0.061	7.3246	
120 minute winter	S60	1.016	Pond Inlet 1	148.5	1.093	1.962	3.9977	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	126.2	0.050	0.003	1254.7938	
120 minute winter	Pond Outlet	1.018	S13	1.1	0.282	0.015	0.4317	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	-11.1	0.629	-0.288	0.3749	
120 minute winter	PP-S25	2.000_1	S25	16.1	0.718	0.280	0.1872	
120 minute winter	PP-S16	3.000_1	S16	19.2	0.953	0.284	0.1873	
120 minute winter	PP-S145	4.000_2	S145	24.0	1.176	0.284	0.1859	
120 minute winter	PP-S4	1.000_2	S4	13.0	0.980	0.228	0.1845	
120 minute winter	PP-S1	4.000_1	S1	28.2	1.235	0.426	0.1851	

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Results for 30 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	90	0.678	0.178	18.9	25.5694	0.0000	OK
120 minute winter	PP-S12	90	0.675	0.175	17.9	17.2791	0.0000	OK
120 minute winter	PP-S14	110	0.654	0.154	39.7	74.3072	0.0000	OK
120 minute winter	PP-S2	92	0.674	0.174	19.1	18.2492	0.0000	OK
120 minute winter	PP-S15	90	0.674	0.174	15.7	9.4641	0.0000	OK
120 minute winter	PP-S75	88	0.672	0.172	19.0	10.3078	0.0000	OK
120 minute winter	PP-S24	84	0.670	0.170	28.5	21.4510	0.0000	OK
120 minute winter	PP-S30	78	0.656	0.156	21.8	8.6226	0.0000	OK
120 minute winter	PP-S33	80	0.624	0.124	18.0	6.7582	0.0000	OK
120 minute winter	PP-S34	76	0.565	0.065	10.5	5.4332	0.0000	OK
120 minute winter	PP-S35	74	0.516	0.016	1.2	0.2818	0.0000	OK
120 minute winter	PP-S36	70	0.535	0.035	6.3	1.2646	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	PP-S5	2.000_2	S5	18.0	1.108	0.243	0.1838	
120 minute winter	PP-S12	8.000_1	S12	23.5	0.981	0.258	0.1823	
120 minute winter	PP-S14	11.000_1	S14	-39.5	1.497	-0.476	0.1719	
120 minute winter	PP-S2	10.000_1	S2	15.2	1.061	0.167	0.1820	
120 minute winter	PP-S15	12.000_1	S15	21.1	1.041	0.224	0.1817	
120 minute winter	PP-S75	13.000_1	S75	21.9	1.058	0.222	0.1808	
120 minute winter	PP-S24	14.000_1	S92	25.9	1.410	0.253	0.1797	
120 minute winter	PP-S30	18.000_1	S30	-18.3	1.131	-0.165	0.1728	
120 minute winter	PP-S33	20.000_1	S33	-13.9	1.222	-0.122	0.1557	
120 minute winter	PP-S34	21.000_1	S34	17.5	1.533	0.148	0.1231	
120 minute winter	PP-S35	22.000_2	S35	1.2	0.916	0.010	0.1024	
120 minute winter	PP-S36	23.000_2	S36	6.2	1.449	0.052	0.1051	

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Results for 30 year 180 minute summer. 1620 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 (m³)	Flood (m³)	Status
180 minute summer	S26	148	0.669	0.907	15.0	1.6035	0.0000	SURCHARGED
180 minute summer	S25	116	0.646	0.890	14.3	2.2653	0.0000	SURCHARGED
180 minute summer	S16	116	0.646	0.913	58.5	4.0467	0.0000	SURCHARGED
180 minute summer	S145	116	0.642	0.957	41.8	4.1223	0.0000	SURCHARGED
180 minute summer	S4	132	0.652	0.895	21.9	1.5823	0.0000	SURCHARGED
180 minute summer	S5	136	0.686	0.970	44.2	1.7133	0.0000	SURCHARGED
180 minute summer	S9	120	0.637	0.933	8.4	2.1496	0.0000	SURCHARGED
180 minute summer	S10	120	0.637	0.958	16.7	1.6929	0.0000	SURCHARGED
180 minute summer	S11	120	0.637	0.963	41.9	1.7017	0.0000	SURCHARGED
180 minute summer	S12	120	0.636	0.971	42.9	1.7163	0.0000	SURCHARGED
180 minute summer	S1	148	0.649	0.913	28.5	2.1493	0.0000	SURCHARGED
180 minute summer	S3	120	0.638	0.945	24.0	3.0212	0.0000	SURCHARGED
180 minute summer	S2	120	0.636	0.972	34.5	1.7170	0.0000	SURCHARGED
180 minute summer	S14	120	0.633	0.942	31.7	1.6648	0.0000	SURCHARGED
180 minute summer	S15	120	0.635	0.981	68.8	4.4161	0.0000	SURCHARGED
180 minute summer	S75	120	0.634	0.996	102.8	2.5354	0.0000	SURCHARGED
180 minute summer	S87	96	0.661	0.947	14.5	3.0712	0.0000	SURCHARGED
180 minute summer	S88	96	0.651	0.959	31.0	3.1289	0.0000	SURCHARGED
180 minute summer	S89	96	0.651	0.981	48.3	3.1785	0.0000	SURCHARGED
180 minute summer	S90	96	0.642	0.994	64.4	3.1665	0.0000	SURCHARGED
180 minute summer	S92	112	0.629	1.008	107.5	2.5662	0.0000	SURCHARGED
180 minute summer	S81	96	0.689	0.991	14.5	3.1996	0.0000	SURCHARGED
180 minute summer	S82	96	0.677	1.001	28.9	3.2516	0.0000	SURCHARGED
180 minute summer	S83	96	0.670	1.015	46.4	3.2780	0.0000	SURCHARGED
180 minute summer	S84	96	0.654	1.021	61.9	3.2399	0.0000	SURCHARGED
180 minute summer	S86	96	0.629	1.022	110.1	2.6010	0.0000	SURCHARGED
180 minute summer	S76	96	0.676	0.993	14.5	3.1938	0.0000	SURCHARGED
180 minute summer	S77	96	0.668	1.007	29.4	3.2541	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 summer	S26	1.000	S16	-12.4	-0.081	-0.175	9.2005	
180 minute summer	S25	2.000	S16	16.8	0.106	0.238	7.3393	
180 minute summer	S16	1.001	S145	-36.9	-0.233	-0.518	15.0038	
180 minute summer	S145	1.002	S75	36.6	0.234	0.519	15.0038	
180 minute summer	S4	3.000	S5	-17.8	-0.113	-0.252	13.1095	
180 minute summer	S5	3.001	S11	-37.9	-0.239	-0.531	13.1095	
180 minute summer	S9	4.000	S10	14.8	0.149	0.211	8.0648	
180 minute summer	S10	4.001	S11	5.5	0.157	0.072	1.3780	
180 minute summer	S11	3.002	S12	-40.2	-0.254	-0.570	2.8740	
180 minute summer	S12	3.003	S15	-40.7	-0.257	-0.591	3.6838	
180 minute summer	S1	5.000	S3	22.5	0.142	0.316	13.5151	
180 minute summer	S3	5.001	S2	19.9	0.188	0.280	9.1848	
180 minute summer	S2	5.002	S15	33.3	0.210	0.489	3.4165	
180 minute summer	S14	6.000	S15	-31.7	-0.200	-0.451	11.8707	
180 minute summer	S15	3.004	S75	68.2	0.430	0.952	4.9661	
180 minute summer	S75	1.003	S92	96.7	0.611	1.360	5.3380	
180 minute summer	S87	7.000	S88	16.1	0.150	0.226	6.8747	
180 minute summer	S88	7.001	S89	33.4	0.211	0.468	6.8747	
180 minute summer	S89	7.002	S90	49.9	0.315	0.699	6.8747	
180 minute summer	S90	7.003	S92	63.7	0.402	0.904	8.6413	
180 minute summer	S92	1.005	S86	104.4	0.659	1.470	4.4095	
180 minute summer	S81	8.000	S82	14.0	0.149	0.197	6.8747	
180 minute summer	S82	8.001	S83	31.5	0.199	0.452	6.8747	
180 minute summer	S83	8.002	S84	47.4	0.299	0.664	6.8747	
180 minute summer	S84	8.003	S86	62.2	0.393	0.876	8.1975	
180 minute summer	S86	1.006	S30	109.9	0.694	1.548	4.4165	
180 minute summer	S76	9.000	S77	14.5	0.150	0.204	6.8747	
180 minute summer	S77	9.001	S78	29.2	0.186	0.410	6.8747	

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Results for 30 year 180 minute summer. 1620 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 (m³)	Flood (m³)	Status
180 minute summer	S78	96	0.660	1.021	44.1	3.2815	0.0000	SURCHARGED
180 minute summer	S79	96	0.645	1.027	58.3	3.2458	0.0000	SURCHARGED
180 minute summer	S30	96	0.619	1.026	127.1	2.6121	0.0000	SURCHARGED
180 minute summer	S31	96	0.592	0.928	15.7	3.0732	0.0000	SURCHARGED
180 minute summer	S32	96	0.592	0.971	28.8	2.9973	0.0000	SURCHARGED
180 minute summer	S33	104	0.587	1.010	131.8	2.5697	0.0000	SURCHARGED
180 minute summer	S34	104	0.535	0.974	126.7	1.7213	0.0000	SURCHARGED
180 minute summer	S35	104	0.447	0.913	126.0	1.6134	0.0000	SURCHARGED
180 minute summer	S36	100	0.419	0.861	5.7	1.5213	0.0000	SURCHARGED
180 minute summer	S37	100	0.418	0.889	153.0	4.3708	0.0000	SURCHARGED
180 minute summer	S38	104	0.209	0.725	149.5	1.2809	0.0000	SURCHARGED
180 minute summer	S39	104	0.001	0.563	148.3	0.9946	0.0000	SURCHARGED
180 minute summer	S56	104	-0.036	0.523	1.4	0.9240	0.0000	SURCHARGED
180 minute summer	S57	104	-0.036	0.529	147.1	1.3461	0.0000	SURCHARGED
180 minute summer	S125	104	-0.114	0.441	2.7	0.7793	0.0000	OK
180 minute summer	S127	104	-0.114	0.465	145.8	1.1834	0.0000	SURCHARGED
180 minute summer	S119	104	-0.187	0.382	4.4	0.6752	0.0000	OK
180 minute summer	S60	104	-0.187	0.406	145.8	1.0334	0.0000	OK
180 minute summer	Pond Inlet 1	104	-0.305	0.305	145.9	0.5391	0.0000	OK
180 minute summer	Pond Outlet	1388	-0.372	0.238	93.7	0.2693	0.0000	OK
180 minute summer	S13	1328	-0.372	0.266	0.5	0.9220	0.0000	OK
180 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute summer	PP-S26	116	0.646	0.146	12.6	12.7813	0.0000	OK
180 minute summer	PP-S25	116	0.647	0.147	13.0	11.3514	0.0000	OK
180 minute summer	PP-S16	116	0.646	0.146	15.8	16.9137	0.0000	OK
180 minute summer	PP-S145	116	0.642	0.142	18.7	17.1328	0.0000	OK
180 minute summer	PP-S4	116	0.642	0.142	13.4	15.4284	0.0000	OK
180 minute summer	PP-S1	124	0.641	0.141	25.3	46.4364	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S78	9.002	S79	43.8	0.277	0.629	6.8745	
180 minute summer	S79	9.003	S30	59.2	0.374	0.823	7.6907	
180 minute summer	S30	1.007	S33	117.9	0.744	1.656	5.0209	
180 minute summer	S31	10.000	S32	15.0	0.164	0.211	13.6740	
180 minute summer	S32	10.001	S33	28.6	0.214	0.400	13.6740	
180 minute summer	S33	1.008	S34	125.4	0.791	1.777	5.1108	
180 minute summer	S34	1.009	S35	125.5	0.792	1.766	8.5103	
180 minute summer	S35	1.010	S37	126.5	0.798	1.903	1.7947	
180 minute summer	S36	11.000	S37	5.7	-0.067	0.080	9.1184	
180 minute summer	S37	1.011	S38	149.5	0.944	2.116	14.3287	
180 minute summer	S38	1.012	S39	148.3	0.936	2.076	14.3287	
180 minute summer	S39	1.013	S57	147.1	0.929	2.322	1.1814	
180 minute summer	S56	12.011	S57	-1.4	-0.189	-0.021	2.0645	
180 minute summer	S57	1.014	S127	145.8	0.920	2.061	4.4483	
180 minute summer	S125	21.003	S127	-2.7	-0.173	-0.039	7.7962	
180 minute summer	S127	1.015	S60	145.8	0.930	2.047	4.2782	
180 minute summer	S119	22.003	S60	-4.4	-0.147	-0.063	7.2519	
180 minute summer	S60	1.016	Pond Inlet 1	145.9	1.086	1.927	3.9536	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	93.7	0.034	0.002	1239.7628	
180 minute summer	Pond Outlet	1.018	S13	0.5	0.213	0.007	0.4277	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	11.4	0.556	0.297	0.3232	
180 minute summer	PP-S25	2.000_1	S25	14.3	0.722	0.248	0.1641	
180 minute summer	PP-S16	3.000_1	S16	11.9	0.957	0.176	0.1674	
180 minute summer	PP-S145	4.000_2	S145	15.2	1.181	0.180	0.1657	
180 minute summer	PP-S4	1.000_2	S4	10.5	0.819	0.185	0.1595	
180 minute summer	PP-S1	4.000_1	S1	27.5	1.104	0.415	0.1643	

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Results for 30 year 180 minute summer. 1620 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 (m³)	Flood (m³)	Status
180 minute summer	PP-S5	116	0.639	0.139	16.3	17.8213	0.0000	OK
180 minute summer	PP-S12	120	0.636	0.136	16.8	12.9963	0.0000	OK
180 minute summer	PP-S14	140	0.616	0.116	31.8	50.0876	0.0000	OK
180 minute summer	PP-S2	120	0.636	0.136	16.8	13.9349	0.0000	OK
180 minute summer	PP-S15	120	0.636	0.136	17.3	7.1801	0.0000	OK
180 minute summer	PP-S75	120	0.634	0.134	19.8	7.8065	0.0000	OK
180 minute summer	PP-S24	112	0.630	0.130	29.5	15.1552	0.0000	OK
180 minute summer	PP-S30	104	0.616	0.116	27.9	6.2083	0.0000	OK
180 minute summer	PP-S33	104	0.585	0.085	17.3	4.2885	0.0000	OK
180 minute summer	PP-S34	100	0.538	0.038	7.5	1.9157	0.0000	OK
180 minute summer	PP-S35	100	0.515	0.015	1.1	0.2624	0.0000	OK
180 minute summer	PP-S36	100	0.534	0.034	5.8	1.1698	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP-S5	2.000_2	S5	20.2	1.111	0.273	0.1640	
180 minute summer	PP-S12	8.000_1	S12	16.7	0.953	0.184	0.1624	
180 minute summer	PP-S14	11.000_1	S14	-31.6	1.305	-0.382	0.1510	
180 minute summer	PP-S2	10.000_1	S2	22.3	1.036	0.244	0.1623	
180 minute summer	PP-S15	12.000_1	S15	-13.6	1.047	-0.145	0.1619	
180 minute summer	PP-S75	13.000_1	S75	19.4	1.065	0.197	0.1608	
180 minute summer	PP-S24	14.000_1	S92	22.1	1.415	0.215	0.1586	
180 minute summer	PP-S30	18.000_1	S30	-24.6	1.132	-0.221	0.1508	
180 minute summer	PP-S33	20.000_1	S33	-13.4	1.231	-0.117	0.1336	
180 minute summer	PP-S34	21.000_1	S34	7.2	1.505	0.061	0.1103	
180 minute summer	PP-S35	22.000_2	S35	1.1	0.898	0.009	0.1022	
180 minute summer	PP-S36	23.000_2	S36	5.7	1.422	0.048	0.0934	

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Results for 30 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S26	128	0.662	0.900	10.2	1.5896	0.0000	SURCHARGED
180 minute winter	S25	128	0.661	0.905	13.9	2.3044	0.0000	SURCHARGED
180 minute winter	S16	128	0.661	0.928	29.3	4.1167	0.0000	SURCHARGED
180 minute winter	S145	128	0.660	0.975	35.3	4.1962	0.0000	SURCHARGED
180 minute winter	S4	128	0.655	0.898	15.7	1.5875	0.0000	SURCHARGED
180 minute winter	S5	128	0.655	0.939	36.6	1.6595	0.0000	SURCHARGED
180 minute winter	S9	128	0.655	0.951	8.2	2.1904	0.0000	SURCHARGED
180 minute winter	S10	128	0.655	0.976	15.3	1.7241	0.0000	SURCHARGED
180 minute winter	S11	128	0.655	0.981	26.1	1.7329	0.0000	SURCHARGED
180 minute winter	S12	128	0.655	0.990	26.8	1.7485	0.0000	SURCHARGED
180 minute winter	S1	128	0.659	0.923	24.2	2.1745	0.0000	SURCHARGED
180 minute winter	S3	128	0.657	0.964	21.2	3.0840	0.0000	SURCHARGED
180 minute winter	S2	128	0.655	0.991	29.4	1.7517	0.0000	SURCHARGED
180 minute winter	S14	172	0.653	0.962	27.6	1.7001	0.0000	SURCHARGED
180 minute winter	S15	128	0.654	1.000	84.6	4.5015	0.0000	SURCHARGED
180 minute winter	S75	124	0.653	1.015	104.4	2.5836	0.0000	SURCHARGED
180 minute winter	S87	120	0.654	0.940	11.2	3.0496	0.0000	SURCHARGED
180 minute winter	S88	120	0.654	0.962	22.2	3.1370	0.0000	SURCHARGED
180 minute winter	S89	120	0.653	0.983	35.3	3.1870	0.0000	SURCHARGED
180 minute winter	S90	120	0.652	1.004	45.5	3.1969	0.0000	SURCHARGED
180 minute winter	S92	124	0.648	1.027	113.2	2.6143	0.0000	SURCHARGED
180 minute winter	S81	116	0.646	0.948	11.2	3.0614	0.0000	SURCHARGED
180 minute winter	S82	116	0.646	0.970	22.8	3.1494	0.0000	SURCHARGED
180 minute winter	S83	116	0.645	0.990	35.2	3.1959	0.0000	SURCHARGED
180 minute winter	S84	116	0.643	1.010	45.0	3.2032	0.0000	SURCHARGED
180 minute winter	S86	120	0.639	1.032	114.1	2.6252	0.0000	SURCHARGED
180 minute winter	S76	108	0.631	0.948	11.2	3.0476	0.0000	SURCHARGED
180 minute winter	S77	108	0.631	0.970	22.5	3.1346	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	S26	1.000	S16	10.2	0.064	0.143	9.2005	
180 minute winter	S25	2.000	S16	14.7	0.093	0.209	7.3393	
180 minute winter	S16	1.001	S145	29.6	0.187	0.415	15.0038	
180 minute winter	S145	1.002	S75	33.2	0.252	0.470	15.0038	
180 minute winter	S4	3.000	S5	15.5	0.107	0.220	13.1095	
180 minute winter	S5	3.001	S11	26.1	0.165	0.366	13.1095	
180 minute winter	S9	4.000	S10	11.6	0.156	0.165	8.0648	
180 minute winter	S10	4.001	S11	6.5	0.165	0.085	1.3780	
180 minute winter	S11	3.002	S12	20.8	0.132	0.295	2.8740	
180 minute winter	S12	3.003	S15	28.7	0.181	0.417	3.6838	
180 minute winter	S1	5.000	S3	20.3	0.128	0.286	13.5151	
180 minute winter	S3	5.001	S2	18.0	0.205	0.253	9.1848	
180 minute winter	S2	5.002	S15	34.1	0.215	0.500	3.4165	
180 minute winter	S14	6.000	S15	28.2	0.178	0.401	11.8707	
180 minute winter	S15	3.004	S75	74.1	0.468	1.035	4.9661	
180 minute winter	S75	1.003	S92	108.9	0.688	1.531	5.3380	
180 minute winter	S87	7.000	S88	11.4	0.155	0.160	6.8747	
180 minute winter	S88	7.001	S89	23.8	0.193	0.333	6.8747	
180 minute winter	S89	7.002	S90	34.3	0.226	0.481	6.8747	
180 minute winter	S90	7.003	S92	43.9	0.284	0.623	8.6413	
180 minute winter	S92	1.005	S86	108.8	0.687	1.531	4.4095	
180 minute winter	S81	8.000	S82	11.3	0.154	0.158	6.8747	
180 minute winter	S82	8.001	S83	23.7	0.190	0.340	6.8747	
180 minute winter	S83	8.002	S84	33.8	0.229	0.474	6.8747	
180 minute winter	S84	8.003	S86	45.8	0.289	0.645	8.1975	
180 minute winter	S86	1.006	S30	111.4	0.703	1.569	4.4165	
180 minute winter	S76	9.000	S77	11.0	0.155	0.154	6.8747	
180 minute winter	S77	9.001	S78	22.4	0.191	0.313	6.8747	

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Results for 30 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S78	112	0.629	0.990	33.8	3.1823	0.0000	SURCHARGED
180 minute winter	S79	112	0.626	1.008	44.9	3.1849	0.0000	SURCHARGED
180 minute winter	S30	112	0.620	1.027	119.1	2.6146	0.0000	SURCHARGED
180 minute winter	S31	108	0.584	0.920	12.1	3.0476	0.0000	SURCHARGED
180 minute winter	S32	112	0.583	0.962	22.6	2.9722	0.0000	SURCHARGED
180 minute winter	S33	112	0.581	1.004	124.0	2.5559	0.0000	SURCHARGED
180 minute winter	S34	108	0.525	0.964	126.5	1.7033	0.0000	SURCHARGED
180 minute winter	S35	108	0.433	0.899	127.3	1.5881	0.0000	SURCHARGED
180 minute winter	S36	108	0.401	0.843	4.8	1.4900	0.0000	SURCHARGED
180 minute winter	S37	108	0.401	0.872	145.4	4.2871	0.0000	SURCHARGED
180 minute winter	S38	108	0.198	0.714	144.0	1.2609	0.0000	SURCHARGED
180 minute winter	S39	108	-0.006	0.556	144.1	0.9826	0.0000	SURCHARGED
180 minute winter	S56	108	-0.042	0.517	0.9	0.9135	0.0000	SURCHARGED
180 minute winter	S57	108	-0.042	0.523	144.1	1.3310	0.0000	SURCHARGED
180 minute winter	S125	108	-0.118	0.437	2.8	0.7722	0.0000	OK
180 minute winter	S127	108	-0.118	0.461	144.0	1.1732	0.0000	SURCHARGED
180 minute winter	S119	112	-0.189	0.380	3.7	0.6706	0.0000	OK
180 minute winter	S60	112	-0.189	0.404	144.0	1.0270	0.0000	OK
180 minute winter	Pond Inlet 1	180	-0.303	0.307	144.0	0.5422	0.0000	OK
180 minute winter	Pond Outlet	1608	-0.346	0.264	90.4	0.2989	0.0000	OK
180 minute winter	S13	1544	-0.346	0.292	0.6	1.0128	0.0000	OK
180 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute winter	PP-S26	128	0.662	0.162	11.1	14.5458	0.0000	OK
180 minute winter	PP-S25	128	0.661	0.161	11.0	12.7710	0.0000	OK
180 minute winter	PP-S16	128	0.662	0.162	14.0	19.6447	0.0000	OK
180 minute winter	PP-S145	128	0.660	0.160	14.7	20.2187	0.0000	OK
180 minute winter	PP-S4	128	0.655	0.155	12.0	17.6019	0.0000	OK
180 minute winter	PP-S1	128	0.660	0.160	24.0	53.2824	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S78	9.002	S79	33.7	0.228	0.484	6.8745	
180 minute winter	S79	9.003	S30	45.0	0.284	0.626	7.6907	
180 minute winter	S30	1.007	S33	117.1	0.739	1.644	5.0209	
180 minute winter	S31	10.000	S32	12.0	0.166	0.169	13.6740	
180 minute winter	S32	10.001	S33	22.8	0.213	0.318	13.6740	
180 minute winter	S33	1.008	S34	123.4	0.779	1.749	5.1108	
180 minute winter	S34	1.009	S35	126.8	0.800	1.785	8.5103	
180 minute winter	S35	1.010	S37	127.5	0.805	1.919	1.7947	
180 minute winter	S36	11.000	S37	4.7	-0.041	0.066	9.1184	
180 minute winter	S37	1.011	S38	144.0	0.909	2.039	14.3287	
180 minute winter	S38	1.012	S39	144.1	0.909	2.016	14.3287	
180 minute winter	S39	1.013	S57	144.1	0.909	2.274	1.1814	
180 minute winter	S56	12.011	S57	-0.9	-0.105	-0.013	2.0645	
180 minute winter	S57	1.014	S127	144.0	0.909	2.037	4.4483	
180 minute winter	S125	21.003	S127	-2.8	-0.201	-0.040	7.7838	
180 minute winter	S127	1.015	S60	144.0	0.921	2.022	4.2684	
180 minute winter	S119	22.003	S60	-3.7	-0.164	-0.053	7.2140	
180 minute winter	S60	1.016	Pond Inlet 1	144.0	1.078	1.901	3.9461	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	90.4	0.035	0.002	1382.9347	
180 minute winter	Pond Outlet	1.018	S13	0.6	0.233	0.009	0.4604	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	10.2	0.587	0.264	0.3491	
180 minute winter	PP-S25	2.000_1	S25	11.2	0.707	0.195	0.1754	
180 minute winter	PP-S16	3.000_1	S16	17.0	0.929	0.251	0.1757	
180 minute winter	PP-S145	4.000_2	S145	22.1	1.143	0.262	0.1748	
180 minute winter	PP-S4	1.000_2	S4	14.4	0.816	0.253	0.1711	
180 minute winter	PP-S1	4.000_1	S1	23.4	1.168	0.353	0.1750	

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Results for 30 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP-S5	128	0.655	0.155	13.9	20.9564	0.0000	OK
180 minute winter	PP-S12	128	0.655	0.155	13.5	15.0154	0.0000	OK
180 minute winter	PP-S14	148	0.635	0.135	24.9	62.2736	0.0000	OK
180 minute winter	PP-S2	128	0.655	0.155	14.5	16.1047	0.0000	OK
180 minute winter	PP-S15	128	0.654	0.154	13.4	8.2935	0.0000	OK
180 minute winter	PP-S75	124	0.653	0.153	15.4	9.0850	0.0000	OK
180 minute winter	PP-S24	124	0.648	0.148	20.0	18.1113	0.0000	OK
180 minute winter	PP-S30	112	0.620	0.120	15.3	6.4839	0.0000	OK
180 minute winter	PP-S33	112	0.581	0.081	7.4	4.0426	0.0000	OK
180 minute winter	PP-S34	100	0.535	0.035	6.2	1.6256	0.0000	OK
180 minute winter	PP-S35	104	0.514	0.014	0.9	0.2278	0.0000	OK
180 minute winter	PP-S36	100	0.531	0.031	4.8	0.9844	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP-S5	2.000_2	S5	23.5	1.081	0.318	0.1725	
180 minute winter	PP-S12	8.000_1	S12	15.5	0.935	0.170	0.1721	
180 minute winter	PP-S14	11.000_1	S14	27.6	1.470	0.334	0.1617	
180 minute winter	PP-S2	10.000_1	S2	15.1	1.019	0.165	0.1726	
180 minute winter	PP-S15	12.000_1	S15	27.4	1.007	0.291	0.1719	
180 minute winter	PP-S75	13.000_1	S75	20.9	1.026	0.211	0.1714	
180 minute winter	PP-S24	14.000_1	S92	20.1	1.371	0.196	0.1688	
180 minute winter	PP-S30	18.000_1	S30	-12.7	1.102	-0.114	0.1534	
180 minute winter	PP-S33	20.000_1	S33	6.2	1.178	0.055	0.1314	
180 minute winter	PP-S34	21.000_1	S34	6.1	1.453	0.052	0.1091	
180 minute winter	PP-S35	22.000_2	S35	0.9	0.860	0.007	0.1001	
180 minute winter	PP-S36	23.000_2	S36	4.8	1.367	0.040	0.0834	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S26	152	0.629	0.867	11.4	1.5323	0.0000	SURCHARGED
240 minute summer	S25	148	0.629	0.873	11.5	2.2225	0.0000	SURCHARGED
240 minute summer	S16	152	0.629	0.896	32.8	3.9722	0.0000	SURCHARGED
240 minute summer	S145	172	0.630	0.945	53.4	4.0685	0.0000	SURCHARGED
240 minute summer	S4	176	0.645	0.888	20.5	1.5688	0.0000	SURCHARGED
240 minute summer	S5	168	0.657	0.941	35.7	1.6621	0.0000	SURCHARGED
240 minute summer	S9	160	0.622	0.918	7.3	2.1159	0.0000	SURCHARGED
240 minute summer	S10	148	0.622	0.943	12.3	1.6668	0.0000	SURCHARGED
240 minute summer	S11	148	0.622	0.948	23.7	1.6755	0.0000	SURCHARGED
240 minute summer	S12	148	0.622	0.957	32.1	1.6909	0.0000	SURCHARGED
240 minute summer	S1	156	0.627	0.891	24.0	2.0993	0.0000	SURCHARGED
240 minute summer	S3	160	0.627	0.934	33.0	2.9866	0.0000	SURCHARGED
240 minute summer	S2	148	0.622	0.958	38.0	1.6924	0.0000	SURCHARGED
240 minute summer	S14	176	0.652	0.961	24.6	1.6975	0.0000	SURCHARGED
240 minute summer	S15	148	0.621	0.967	80.8	4.3534	0.0000	SURCHARGED
240 minute summer	S75	148	0.620	0.982	95.0	2.4998	0.0000	SURCHARGED
240 minute summer	S87	144	0.621	0.907	12.2	2.9430	0.0000	SURCHARGED
240 minute summer	S88	144	0.621	0.929	22.3	3.0296	0.0000	SURCHARGED
240 minute summer	S89	144	0.620	0.950	34.9	3.0796	0.0000	SURCHARGED
240 minute summer	S90	144	0.618	0.970	46.5	3.0906	0.0000	SURCHARGED
240 minute summer	S92	144	0.615	0.994	102.6	2.5300	0.0000	SURCHARGED
240 minute summer	S81	136	0.616	0.918	12.2	2.9627	0.0000	SURCHARGED
240 minute summer	S82	136	0.615	0.939	24.3	3.0502	0.0000	SURCHARGED
240 minute summer	S83	136	0.614	0.959	35.8	3.0961	0.0000	SURCHARGED
240 minute summer	S84	136	0.611	0.978	46.4	3.1021	0.0000	SURCHARGED
240 minute summer	S86	144	0.607	1.000	109.6	2.5449	0.0000	SURCHARGED
240 minute summer	S76	132	0.604	0.921	12.2	2.9598	0.0000	SURCHARGED
240 minute summer	S77	136	0.603	0.942	23.8	3.0450	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S26	1.000	S16	9.1	0.058	0.129	9.2005	
240 minute summer	S25	2.000	S16	8.5	0.053	0.120	7.3393	
240 minute summer	S16	1.001	S145	27.3	0.172	0.382	15.0038	
240 minute summer	S145	1.002	S75	49.5	0.312	0.701	15.0038	
240 minute summer	S4	3.000	S5	13.9	0.097	0.198	13.1095	
240 minute summer	S5	3.001	S11	18.6	0.117	0.261	13.1095	
240 minute summer	S9	4.000	S10	9.3	0.139	0.132	8.0648	
240 minute summer	S10	4.001	S11	-5.7	0.133	-0.075	1.3780	
240 minute summer	S11	3.002	S12	-23.7	-0.151	-0.335	2.8740	
240 minute summer	S12	3.003	S15	40.5	0.256	0.589	3.6838	
240 minute summer	S1	5.000	S3	21.1	0.133	0.296	13.5151	
240 minute summer	S3	5.001	S2	26.9	0.176	0.380	9.1848	
240 minute summer	S2	5.002	S15	34.1	0.215	0.500	3.4165	
240 minute summer	S14	6.000	S15	19.2	0.121	0.273	11.8707	
240 minute summer	S15	3.004	S75	70.1	0.442	0.979	4.9661	
240 minute summer	S75	1.003	S92	92.9	0.586	1.305	5.3380	
240 minute summer	S87	7.000	S88	10.6	0.146	0.149	6.8747	
240 minute summer	S88	7.001	S89	23.2	0.177	0.325	6.8747	
240 minute summer	S89	7.002	S90	35.1	0.221	0.492	6.8747	
240 minute summer	S90	7.003	S92	47.1	0.297	0.668	8.6413	
240 minute summer	S92	1.005	S86	101.9	0.643	1.434	4.4095	
240 minute summer	S81	8.000	S82	12.6	0.146	0.176	6.8747	
240 minute summer	S82	8.001	S83	24.1	0.174	0.346	6.8747	
240 minute summer	S83	8.002	S84	34.9	0.221	0.490	6.8747	
240 minute summer	S84	8.003	S86	46.0	0.290	0.648	8.1975	
240 minute summer	S86	1.006	S30	109.5	0.691	1.543	4.4165	
240 minute summer	S76	9.000	S77	12.1	0.146	0.170	6.8747	
240 minute summer	S77	9.001	S78	23.9	0.175	0.335	6.8747	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	136	0.602	0.963	35.6	3.0943	0.0000	SURCHARGED
240 minute summer	S79	136	0.598	0.980	46.9	3.0974	0.0000	SURCHARGED
240 minute summer	S30	136	0.592	0.999	118.5	2.5421	0.0000	SURCHARGED
240 minute summer	S31	132	0.558	0.894	13.1	2.9621	0.0000	SURCHARGED
240 minute summer	S32	132	0.559	0.938	23.8	2.8963	0.0000	SURCHARGED
240 minute summer	S33	132	0.555	0.978	123.2	2.4898	0.0000	SURCHARGED
240 minute summer	S34	132	0.503	0.942	123.4	1.6653	0.0000	SURCHARGED
240 minute summer	S35	132	0.416	0.882	124.3	1.5583	0.0000	SURCHARGED
240 minute summer	S36	132	0.385	0.827	4.8	1.4612	0.0000	SURCHARGED
240 minute summer	S37	132	0.386	0.857	143.5	4.2117	0.0000	SURCHARGED
240 minute summer	S38	132	0.186	0.702	143.6	1.2410	0.0000	SURCHARGED
240 minute summer	S39	132	-0.013	0.549	143.4	0.9693	0.0000	SURCHARGED
240 minute summer	S56	132	-0.049	0.510	1.4	0.9015	0.0000	SURCHARGED
240 minute summer	S57	132	-0.049	0.516	143.2	1.3137	0.0000	SURCHARGED
240 minute summer	S125	136	-0.123	0.432	2.4	0.7638	0.0000	OK
240 minute summer	S127	136	-0.123	0.456	142.7	1.1612	0.0000	SURCHARGED
240 minute summer	S119	136	-0.193	0.376	2.4	0.6645	0.0000	OK
240 minute summer	S60	136	-0.193	0.400	142.5	1.0181	0.0000	OK
240 minute summer	Pond Inlet 1	140	-0.308	0.302	142.3	0.5339	0.0000	OK
240 minute summer	Pond Outlet	1648	-0.357	0.253	77.0	0.2862	0.0000	OK
240 minute summer	S13	1420	-0.357	0.281	0.3	0.9738	0.0000	OK
240 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute summer	PP-S26	152	0.630	0.130	10.5	10.9764	0.0000	OK
240 minute summer	PP-S25	148	0.630	0.130	10.7	9.7410	0.0000	OK
240 minute summer	PP-S16	152	0.629	0.129	12.9	14.0127	0.0000	OK
240 minute summer	PP-S145	148	0.627	0.127	15.3	14.4402	0.0000	OK
240 minute summer	PP-S4	148	0.623	0.123	11.3	12.4830	0.0000	OK
240 minute summer	PP-S1	152	0.627	0.127	21.4	41.3793	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S78	9.002	S79	35.5	0.224	0.510	6.8745	
240 minute summer	S79	9.003	S30	46.6	0.294	0.648	7.6907	
240 minute summer	S30	1.007	S33	116.6	0.736	1.639	5.0209	
240 minute summer	S31	10.000	S32	13.0	0.153	0.183	13.6740	
240 minute summer	S32	10.001	S33	22.5	0.190	0.315	13.6740	
240 minute summer	S33	1.008	S34	121.2	0.765	1.718	5.1108	
240 minute summer	S34	1.009	S35	123.8	0.782	1.743	8.5103	
240 minute summer	S35	1.010	S37	124.5	0.786	1.874	1.7947	
240 minute summer	S36	11.000	S37	5.1	-0.039	0.071	9.1184	
240 minute summer	S37	1.011	S38	143.6	0.906	2.032	14.3287	
240 minute summer	S38	1.012	S39	143.4	0.905	2.007	14.3287	
240 minute summer	S39	1.013	S57	143.2	0.904	2.261	1.1814	
240 minute summer	S56	12.011	S57	-1.4	-0.089	-0.021	2.0645	
240 minute summer	S57	1.014	S127	142.7	0.901	2.018	4.4483	
240 minute summer	S125	21.003	S127	-2.4	-0.153	-0.034	7.7648	
240 minute summer	S127	1.015	S60	142.5	0.921	2.000	4.2548	
240 minute summer	S119	22.003	S60	-2.4	-0.153	-0.035	7.1621	
240 minute summer	S60	1.016	Pond Inlet 1	142.3	1.075	1.879	3.9097	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	77.0	0.025	0.002	1321.0814	
240 minute summer	Pond Outlet	1.018	S13	0.3	0.196	0.004	0.4479	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	10.7	0.531	0.279	0.2922	
240 minute summer	PP-S25	2.000_1	S25	11.5	0.686	0.200	0.1487	
240 minute summer	PP-S16	3.000_1	S16	16.6	0.914	0.245	0.1560	
240 minute summer	PP-S145	4.000_2	S145	22.0	1.125	0.260	0.1574	
240 minute summer	PP-S4	1.000_2	S4	17.0	0.815	0.299	0.1421	
240 minute summer	PP-S1	4.000_1	S1	23.1	1.069	0.348	0.1530	

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Results for 30 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	PP-S5	148	0.623	0.123	13.8	14.4951	0.0000	OK
240 minute summer	PP-S12	148	0.622	0.122	13.7	11.4083	0.0000	OK
240 minute summer	PP-S14	172	0.601	0.101	18.1	40.3838	0.0000	OK
240 minute summer	PP-S2	148	0.622	0.122	15.3	12.3258	0.0000	OK
240 minute summer	PP-S15	148	0.621	0.121	11.7	6.3237	0.0000	OK
240 minute summer	PP-S75	152	0.621	0.121	12.5	6.9602	0.0000	OK
240 minute summer	PP-S24	144	0.615	0.115	18.0	12.8907	0.0000	OK
240 minute summer	PP-S30	136	0.591	0.091	10.1	4.7348	0.0000	OK
240 minute summer	PP-S33	132	0.555	0.055	3.3	2.4492	0.0000	OK
240 minute summer	PP-S34	132	0.535	0.035	6.4	1.6541	0.0000	OK
240 minute summer	PP-S35	132	0.514	0.014	1.0	0.2348	0.0000	OK
240 minute summer	PP-S36	132	0.531	0.031	4.9	0.9982	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	PP-S5	2.000_2	S5	21.8	1.061	0.294	0.1547	
240 minute summer	PP-S12	8.000_1	S12	23.2	0.913	0.255	0.1545	
240 minute summer	PP-S14	11.000_1	S14	24.6	1.308	0.297	0.1425	
240 minute summer	PP-S2	10.000_1	S2	25.1	0.993	0.275	0.1544	
240 minute summer	PP-S15	12.000_1	S15	13.5	0.989	0.143	0.1539	
240 minute summer	PP-S75	13.000_1	S75	23.9	1.010	0.242	0.1536	
240 minute summer	PP-S24	14.000_1	S92	26.8	1.348	0.261	0.1505	
240 minute summer	PP-S30	18.000_1	S30	12.1	1.082	0.109	0.1371	
240 minute summer	PP-S33	20.000_1	S33	3.0	1.165	0.026	0.1182	
240 minute summer	PP-S34	21.000_1	S34	6.2	1.431	0.053	0.1092	
240 minute summer	PP-S35	22.000_2	S35	0.9	0.837	0.008	0.0951	
240 minute summer	PP-S36	23.000_2	S36	4.8	1.401	0.041	0.0752	

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Results for 30 year 240 minute winter. 1680 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 (m³)	Flood (m³)	Status
240 minute winter	S26	160	0.635	0.873	14.3	1.5417	0.0000	SURCHARGED
240 minute winter	S25	160	0.634	0.878	9.7	2.2356	0.0000	SURCHARGED
240 minute winter	S16	160	0.634	0.901	30.4	3.9967	0.0000	SURCHARGED
240 minute winter	S145	188	0.644	0.959	36.6	4.1305	0.0000	SURCHARGED
240 minute winter	S4	180	0.657	0.900	17.9	1.5896	0.0000	SURCHARGED
240 minute winter	S5	184	0.669	0.953	37.8	1.6831	0.0000	SURCHARGED
240 minute winter	S9	184	0.630	0.926	10.0	2.1326	0.0000	SURCHARGED
240 minute winter	S10	192	0.639	0.960	12.6	1.6955	0.0000	SURCHARGED
240 minute winter	S11	192	0.635	0.961	18.7	1.6981	0.0000	SURCHARGED
240 minute winter	S12	160	0.629	0.964	25.1	1.7025	0.0000	SURCHARGED
240 minute winter	S1	180	0.667	0.931	19.9	2.1921	0.0000	SURCHARGED
240 minute winter	S3	176	0.631	0.938	20.5	2.9995	0.0000	SURCHARGED
240 minute winter	S2	160	0.629	0.965	40.7	1.7055	0.0000	SURCHARGED
240 minute winter	S14	160	0.626	0.935	31.1	1.6517	0.0000	SURCHARGED
240 minute winter	S15	160	0.628	0.974	83.5	4.3849	0.0000	SURCHARGED
240 minute winter	S75	160	0.627	0.989	95.3	2.5170	0.0000	SURCHARGED
240 minute winter	S87	152	0.626	0.912	9.1	2.9600	0.0000	SURCHARGED
240 minute winter	S88	152	0.626	0.934	18.1	3.0468	0.0000	SURCHARGED
240 minute winter	S89	152	0.626	0.956	27.1	3.0974	0.0000	SURCHARGED
240 minute winter	S90	152	0.624	0.976	36.2	3.1091	0.0000	SURCHARGED
240 minute winter	S92	156	0.621	1.000	102.9	2.5458	0.0000	SURCHARGED
240 minute winter	S81	148	0.617	0.919	9.1	2.9660	0.0000	SURCHARGED
240 minute winter	S82	148	0.616	0.940	18.1	3.0535	0.0000	SURCHARGED
240 minute winter	S83	148	0.616	0.961	27.7	3.1008	0.0000	SURCHARGED
240 minute winter	S84	148	0.614	0.981	36.9	3.1106	0.0000	SURCHARGED
240 minute winter	S86	152	0.610	1.003	108.8	2.5524	0.0000	SURCHARGED
240 minute winter	S76	144	0.596	0.913	9.1	2.9363	0.0000	SURCHARGED
240 minute winter	S77	144	0.596	0.935	18.5	3.0231	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S26	1.000	S16	10.6	0.067	0.150	9.2005	
240 minute winter	S25	2.000	S16	18.4	0.116	0.260	7.3393	
240 minute winter	S16	1.001	S145	20.5	0.167	0.287	15.0038	
240 minute winter	S145	1.002	S75	33.5	0.236	0.475	15.0038	
240 minute winter	S4	3.000	S5	16.1	0.102	0.229	13.1095	
240 minute winter	S5	3.001	S11	16.2	0.111	0.227	13.1095	
240 minute winter	S9	4.000	S10	-9.4	0.146	-0.134	8.0648	
240 minute winter	S10	4.001	S11	-12.6	0.136	-0.166	1.3780	
240 minute winter	S11	3.002	S12	21.3	0.135	0.302	2.8740	
240 minute winter	S12	3.003	S15	32.6	0.206	0.473	3.6838	
240 minute winter	S1	5.000	S3	18.8	0.118	0.264	13.5151	
240 minute winter	S3	5.001	S2	21.7	0.191	0.306	9.1848	
240 minute winter	S2	5.002	S15	38.2	0.241	0.561	3.4165	
240 minute winter	S14	6.000	S15	22.8	0.144	0.324	11.8707	
240 minute winter	S15	3.004	S75	67.3	0.425	0.940	4.9661	
240 minute winter	S75	1.003	S92	89.0	0.562	1.250	5.3380	
240 minute winter	S87	7.000	S88	9.3	0.142	0.130	6.8747	
240 minute winter	S88	7.001	S89	17.9	0.181	0.251	6.8747	
240 minute winter	S89	7.002	S90	27.1	0.219	0.380	6.8747	
240 minute winter	S90	7.003	S92	36.4	0.262	0.517	8.6413	
240 minute winter	S92	1.005	S86	101.0	0.637	1.421	4.4095	
240 minute winter	S81	8.000	S82	8.8	0.141	0.123	6.8747	
240 minute winter	S82	8.001	S83	18.4	0.177	0.264	6.8747	
240 minute winter	S83	8.002	S84	27.8	0.216	0.389	6.8747	
240 minute winter	S84	8.003	S86	36.1	0.264	0.508	8.1975	
240 minute winter	S86	1.006	S30	110.4	0.697	1.556	4.4165	
240 minute winter	S76	9.000	S77	9.2	0.142	0.128	6.8747	
240 minute winter	S77	9.001	S78	18.3	0.178	0.257	6.8747	

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Results for 30 year 240 minute winter. 1680 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 (m³)	Flood (m³)	Status
240 minute winter	S78	144	0.595	0.956	27.6	3.0728	0.0000	SURCHARGED
240 minute winter	S79	148	0.593	0.975	36.9	3.0793	0.0000	SURCHARGED
240 minute winter	S30	148	0.589	0.996	117.4	2.5346	0.0000	SURCHARGED
240 minute winter	S31	144	0.548	0.884	9.8	2.9270	0.0000	SURCHARGED
240 minute winter	S32	144	0.547	0.926	18.5	2.8609	0.0000	SURCHARGED
240 minute winter	S33	144	0.546	0.969	123.7	2.4659	0.0000	SURCHARGED
240 minute winter	S34	144	0.488	0.927	125.6	1.6385	0.0000	SURCHARGED
240 minute winter	S35	140	0.395	0.861	125.8	1.5221	0.0000	SURCHARGED
240 minute winter	S36	140	0.364	0.806	3.9	1.4240	0.0000	SURCHARGED
240 minute winter	S37	140	0.364	0.835	140.2	4.1038	0.0000	SURCHARGED
240 minute winter	S38	140	0.171	0.687	140.1	1.2142	0.0000	SURCHARGED
240 minute winter	S39	144	-0.021	0.541	140.1	0.9552	0.0000	SURCHARGED
240 minute winter	S56	144	-0.055	0.504	0.9	0.8897	0.0000	SURCHARGED
240 minute winter	S57	144	-0.055	0.510	140.1	1.2967	0.0000	SURCHARGED
240 minute winter	S125	144	-0.127	0.428	2.7	0.7566	0.0000	OK
240 minute winter	S127	144	-0.127	0.452	140.1	1.1508	0.0000	SURCHARGED
240 minute winter	S119	148	-0.195	0.374	2.8	0.6605	0.0000	OK
240 minute winter	S60	148	-0.195	0.398	140.1	1.0124	0.0000	OK
240 minute winter	Pond Inlet 1	220	-0.297	0.313	140.0	0.5530	0.0000	OK
240 minute winter	Pond Outlet	1556	-0.329	0.281	72.4	0.3176	0.0000	OK
240 minute winter	S13	776	-0.329	0.309	0.3	1.0700	0.0000	SURCHARGED
240 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute winter	PP-S26	160	0.635	0.135	7.5	11.5465	0.0000	OK
240 minute winter	PP-S25	160	0.634	0.134	7.4	10.2073	0.0000	OK
240 minute winter	PP-S16	160	0.634	0.134	8.5	14.9789	0.0000	OK
240 minute winter	PP-S145	160	0.633	0.133	14.1	15.3822	0.0000	OK
240 minute winter	PP-S4	164	0.630	0.130	8.4	13.5250	0.0000	OK
240 minute winter	PP-S1	160	0.632	0.132	18.2	43.2721	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S78	9.002	S79	27.8	0.212	0.399	6.8745	
240 minute winter	S79	9.003	S30	36.3	0.258	0.505	7.6907	
240 minute winter	S30	1.007	S33	118.5	0.748	1.665	5.0209	
240 minute winter	S31	10.000	S32	9.9	0.155	0.140	13.6740	
240 minute winter	S32	10.001	S33	18.3	0.203	0.256	13.6740	
240 minute winter	S33	1.008	S34	122.8	0.775	1.741	5.1108	
240 minute winter	S34	1.009	S35	125.3	0.791	1.765	8.5103	
240 minute winter	S35	1.010	S37	125.6	0.793	1.890	1.7947	
240 minute winter	S36	11.000	S37	3.9	-0.056	0.055	9.1184	
240 minute winter	S37	1.011	S38	140.1	0.885	1.983	14.3287	
240 minute winter	S38	1.012	S39	140.1	0.885	1.961	14.3287	
240 minute winter	S39	1.013	S57	140.1	0.884	2.212	1.1814	
240 minute winter	S56	12.011	S57	-0.9	-0.153	-0.013	2.0645	
240 minute winter	S57	1.014	S127	140.1	0.884	1.981	4.4473	
240 minute winter	S125	21.003	S127	-2.7	-0.186	-0.038	7.7448	
240 minute winter	S127	1.015	S60	140.1	0.904	1.966	4.2451	
240 minute winter	S119	22.003	S60	-2.8	-0.151	-0.040	7.1276	
240 minute winter	S60	1.016	Pond Inlet 1	140.0	1.064	1.849	3.9212	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	72.4	0.028	0.001	1474.5691	
240 minute winter	Pond Outlet	1.018	S13	0.3	0.213	0.004	0.4716	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	14.3	0.614	0.371	0.3025	
240 minute winter	PP-S25	2.000_1	S25	8.8	0.671	0.153	0.1534	
240 minute winter	PP-S16	3.000_1	S16	21.0	0.890	0.312	0.1604	
240 minute winter	PP-S145	4.000_2	S145	17.5	1.092	0.207	0.1603	
240 minute winter	PP-S4	1.000_2	S4	17.9	0.766	0.314	0.1490	
240 minute winter	PP-S1	4.000_1	S1	19.3	1.050	0.292	0.1578	

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Results for 30 year 240 minute winter. 1680 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 (m³)	Flood (m³)	Status
240 minute winter	PP-S5	160	0.629	0.129	9.9	15.7318	0.0000	OK
240 minute winter	PP-S12	160	0.629	0.129	10.0	12.1110	0.0000	OK
240 minute winter	PP-S14	180	0.615	0.115	18.5	49.3061	0.0000	OK
240 minute winter	PP-S2	160	0.629	0.129	10.7	13.1462	0.0000	OK
240 minute winter	PP-S15	160	0.628	0.128	7.8	6.7436	0.0000	OK
240 minute winter	PP-S75	160	0.627	0.127	11.6	7.3704	0.0000	OK
240 minute winter	PP-S24	156	0.621	0.121	12.3	13.8243	0.0000	OK
240 minute winter	PP-S30	148	0.589	0.089	6.4	4.5899	0.0000	OK
240 minute winter	PP-S33	144	0.545	0.045	2.6	1.8490	0.0000	OK
240 minute winter	PP-S34	132	0.531	0.031	5.0	1.3399	0.0000	OK
240 minute winter	PP-S35	132	0.513	0.013	0.8	0.2061	0.0000	OK
240 minute winter	PP-S36	132	0.528	0.028	3.9	0.8163	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	PP-S5	2.000_2	S5	21.6	1.036	0.292	0.1582	
240 minute winter	PP-S12	8.000_1	S12	16.0	0.890	0.176	0.1580	
240 minute winter	PP-S14	11.000_1	S14	31.1	1.298	0.375	0.1503	
240 minute winter	PP-S2	10.000_1	S2	19.0	0.980	0.208	0.1584	
240 minute winter	PP-S15	12.000_1	S15	21.3	0.958	0.225	0.1578	
240 minute winter	PP-S75	13.000_1	S75	-10.7	0.979	-0.108	0.1571	
240 minute winter	PP-S24	14.000_1	S92	24.9	1.313	0.242	0.1538	
240 minute winter	PP-S30	18.000_1	S30	12.7	1.047	0.114	0.1358	
240 minute winter	PP-S33	20.000_1	S33	3.5	1.122	0.031	0.1137	
240 minute winter	PP-S34	21.000_1	S34	5.0	1.387	0.042	0.1078	
240 minute winter	PP-S35	22.000_2	S35	0.8	0.827	0.006	0.0861	
240 minute winter	PP-S36	23.000_2	S36	3.9	1.322	0.033	0.0622	

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Results for 30 year 360 minute summer. 1800 minute analysis at 8 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
360 minute summer	S26	224	0.592	0.830	9.0	1.4660	0.0000	SURCHARGED
360 minute summer	S25	216	0.597	0.841	13.3	2.1405	0.0000	SURCHARGED
360 minute summer	S16	216	0.594	0.861	28.4	3.8168	0.0000	SURCHARGED
360 minute summer	S145	216	0.598	0.913	33.0	3.9321	0.0000	SURCHARGED
360 minute summer	S4	216	0.591	0.834	7.7	1.4733	0.0000	SURCHARGED
360 minute summer	S5	216	0.596	0.880	15.2	1.5554	0.0000	SURCHARGED
360 minute summer	S9	232	0.599	0.895	5.4	2.0626	0.0000	SURCHARGED
360 minute summer	S10	216	0.593	0.914	10.9	1.6155	0.0000	SURCHARGED
360 minute summer	S11	216	0.593	0.919	17.8	1.6242	0.0000	SURCHARGED
360 minute summer	S12	216	0.592	0.927	20.1	1.6381	0.0000	SURCHARGED
360 minute summer	S1	216	0.591	0.855	19.2	2.0131	0.0000	SURCHARGED
360 minute summer	S3	232	0.587	0.894	16.0	2.8580	0.0000	SURCHARGED
360 minute summer	S2	216	0.590	0.926	39.2	1.6361	0.0000	SURCHARGED
360 minute summer	S14	216	0.589	0.898	16.0	1.5875	0.0000	SURCHARGED
360 minute summer	S15	216	0.592	0.938	62.0	4.2211	0.0000	SURCHARGED
360 minute summer	S75	216	0.587	0.949	86.5	2.4162	0.0000	SURCHARGED
360 minute summer	S87	208	0.586	0.872	9.1	2.8295	0.0000	SURCHARGED
360 minute summer	S88	208	0.586	0.894	15.5	2.9158	0.0000	SURCHARGED
360 minute summer	S89	208	0.585	0.915	24.6	2.9667	0.0000	SURCHARGED
360 minute summer	S90	208	0.584	0.936	32.3	2.9819	0.0000	SURCHARGED
360 minute summer	S92	208	0.582	0.961	99.0	2.4461	0.0000	SURCHARGED
360 minute summer	S81	208	0.572	0.874	9.1	2.8222	0.0000	SURCHARGED
360 minute summer	S82	208	0.572	0.896	15.6	2.9084	0.0000	SURCHARGED
360 minute summer	S83	208	0.571	0.916	23.4	2.9570	0.0000	SURCHARGED
360 minute summer	S84	208	0.570	0.937	30.9	2.9721	0.0000	SURCHARGED
360 minute summer	S86	208	0.568	0.961	104.3	2.4455	0.0000	SURCHARGED
360 minute summer	S76	200	0.554	0.871	9.1	2.8001	0.0000	SURCHARGED
360 minute summer	S77	200	0.554	0.893	15.8	2.8858	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	S26	1.000	S16	10.0	0.063	0.141	9.2005	
360 minute summer	S25	2.000	S16	13.6	0.086	0.193	7.3393	
360 minute summer	S16	1.001	S145	27.8	0.176	0.390	15.0038	
360 minute summer	S145	1.002	S75	32.1	0.210	0.455	15.0038	
360 minute summer	S4	3.000	S5	9.1	0.092	0.129	13.1095	
360 minute summer	S5	3.001	S11	16.6	0.111	0.233	13.1095	
360 minute summer	S9	4.000	S10	10.9	0.124	0.156	8.0648	
360 minute summer	S10	4.001	S11	9.0	0.132	0.118	1.3780	
360 minute summer	S11	3.002	S12	20.1	0.127	0.284	2.8740	
360 minute summer	S12	3.003	S15	15.3	0.097	0.222	3.6838	
360 minute summer	S1	5.000	S3	13.4	0.100	0.188	13.5151	
360 minute summer	S3	5.001	S2	17.6	0.163	0.248	9.1848	
360 minute summer	S2	5.002	S15	38.1	0.241	0.560	3.4165	
360 minute summer	S14	6.000	S15	15.8	0.100	0.225	11.8707	
360 minute summer	S15	3.004	S75	56.9	0.359	0.795	4.9661	
360 minute summer	S75	1.003	S92	85.8	0.542	1.206	5.3380	
360 minute summer	S87	7.000	S88	7.5	0.131	0.105	6.8747	
360 minute summer	S88	7.001	S89	16.6	0.161	0.232	6.8747	
360 minute summer	S89	7.002	S90	24.5	0.184	0.344	6.8747	
360 minute summer	S90	7.003	S92	30.9	0.215	0.439	8.6413	
360 minute summer	S92	1.005	S86	93.9	0.593	1.322	4.4095	
360 minute summer	S81	8.000	S82	7.6	0.131	0.107	6.8747	
360 minute summer	S82	8.001	S83	15.4	0.158	0.221	6.8747	
360 minute summer	S83	8.002	S84	23.1	0.185	0.324	6.8747	
360 minute summer	S84	8.003	S86	30.5	0.198	0.429	8.1975	
360 minute summer	S86	1.006	S30	102.9	0.649	1.449	4.4165	
360 minute summer	S76	9.000	S77	7.8	0.131	0.110	6.8747	
360 minute summer	S77	9.001	S78	15.3	0.160	0.214	6.8747	

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Results for 30 year 360 minute summer. 1800 minute analysis at 8 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
360 minute summer	S78	200	0.553	0.914	23.3	2.9363	0.0000	SURCHARGED
360 minute summer	S79	200	0.550	0.932	31.0	2.9457	0.0000	SURCHARGED
360 minute summer	S30	200	0.547	0.954	113.3	2.4272	0.0000	SURCHARGED
360 minute summer	S31	200	0.508	0.844	9.8	2.7938	0.0000	SURCHARGED
360 minute summer	S32	200	0.507	0.886	15.7	2.7363	0.0000	SURCHARGED
360 minute summer	S33	200	0.506	0.929	118.5	2.3637	0.0000	SURCHARGED
360 minute summer	S34	200	0.451	0.890	121.3	1.5720	0.0000	SURCHARGED
360 minute summer	S35	192	0.363	0.829	121.6	1.4649	0.0000	SURCHARGED
360 minute summer	S36	192	0.332	0.774	3.7	1.3675	0.0000	SURCHARGED
360 minute summer	S37	192	0.333	0.804	137.3	3.9534	0.0000	SURCHARGED
360 minute summer	S38	192	0.149	0.665	137.6	1.1743	0.0000	SURCHARGED
360 minute summer	S39	200	-0.035	0.527	137.5	0.9314	0.0000	SURCHARGED
360 minute summer	S56	200	-0.067	0.492	0.7	0.8688	0.0000	SURCHARGED
360 minute summer	S57	200	-0.067	0.498	137.4	1.2665	0.0000	SURCHARGED
360 minute summer	S125	200	-0.135	0.420	1.9	0.7418	0.0000	OK
360 minute summer	S127	200	-0.135	0.444	137.2	1.1295	0.0000	OK
360 minute summer	S119	200	-0.202	0.367	1.4	0.6488	0.0000	OK
360 minute summer	S60	200	-0.202	0.391	136.7	0.9955	0.0000	OK
360 minute summer	Pond Inlet 1	224	-0.309	0.301	136.7	0.5310	0.0000	OK
360 minute summer	Pond Outlet	1376	-0.337	0.273	69.0	0.3088	0.0000	OK
360 minute summer	S13	1288	-0.337	0.301	0.3	1.0430	0.0000	SURCHARGED
360 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute summer	PP-S26	216	0.597	0.097	5.7	7.3374	0.0000	OK
360 minute summer	PP-S25	216	0.596	0.096	6.1	6.5966	0.0000	OK
360 minute summer	PP-S16	216	0.596	0.096	8.0	8.4709	0.0000	OK
360 minute summer	PP-S145	208	0.589	0.089	9.5	7.5626	0.0000	OK
360 minute summer	PP-S4	216	0.593	0.093	5.9	7.7086	0.0000	OK
360 minute summer	PP-S1	216	0.594	0.094	13.5	29.8101	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	S78	9.002	S79	23.2	0.185	0.333	6.8745	
360 minute summer	S79	9.003	S30	30.8	0.194	0.428	7.6907	
360 minute summer	S30	1.007	S33	111.6	0.704	1.568	5.0209	
360 minute summer	S31	10.000	S32	8.3	0.137	0.118	13.6740	
360 minute summer	S32	10.001	S33	15.8	0.152	0.221	13.6740	
360 minute summer	S33	1.008	S34	118.8	0.750	1.684	5.1108	
360 minute summer	S34	1.009	S35	121.1	0.764	1.705	8.5103	
360 minute summer	S35	1.010	S37	121.7	0.768	1.831	1.7947	
360 minute summer	S36	11.000	S37	3.7	-0.050	0.051	9.1184	
360 minute summer	S37	1.011	S38	137.6	0.868	1.947	14.3287	
360 minute summer	S38	1.012	S39	137.5	0.868	1.924	14.3287	
360 minute summer	S39	1.013	S57	137.4	0.867	2.168	1.1814	
360 minute summer	S56	12.011	S57	-0.7	-0.034	-0.010	2.0645	
360 minute summer	S57	1.014	S127	137.2	0.866	1.939	4.4424	
360 minute summer	S125	21.003	S127	-1.9	-0.051	-0.027	7.6931	
360 minute summer	S127	1.015	S60	136.7	0.896	1.918	4.2131	
360 minute summer	S119	22.003	S60	-1.4	-0.138	-0.019	7.0233	
360 minute summer	S60	1.016	Pond Inlet 1	136.7	1.051	1.805	3.8489	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	69.0	0.021	0.001	1431.3003	
360 minute summer	Pond Outlet	1.018	S13	0.3	0.174	0.004	0.4673	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	9.0	0.527	0.234	0.2156	
360 minute summer	PP-S25	2.000_1	S25	13.3	0.671	0.231	0.1150	
360 minute summer	PP-S16	3.000_1	S16	9.4	0.894	0.140	0.1248	
360 minute summer	PP-S145	4.000_2	S145	22.4	1.099	0.265	0.1353	
360 minute summer	PP-S4	1.000_2	S4	7.7	0.771	0.136	0.1092	
360 minute summer	PP-S1	4.000_1	S1	17.9	1.006	0.270	0.1205	

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Results for 30 year 360 minute summer. 1800 minute analysis at 8 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
360 minute summer	PP-S5	224	0.584	0.084	8.4	7.0964	0.0000	OK
360 minute summer	PP-S12	216	0.591	0.091	9.7	7.8875	0.0000	OK
360 minute summer	PP-S14	232	0.574	0.074	11.1	23.5010	0.0000	OK
360 minute summer	PP-S2	208	0.585	0.085	9.6	8.1636	0.0000	OK
360 minute summer	PP-S15	216	0.593	0.093	8.1	4.6166	0.0000	OK
360 minute summer	PP-S75	208	0.585	0.085	8.7	4.6270	0.0000	OK
360 minute summer	PP-S24	208	0.576	0.076	9.4	6.6769	0.0000	OK
360 minute summer	PP-S30	200	0.546	0.046	2.1	1.9997	0.0000	OK
360 minute summer	PP-S33	192	0.523	0.023	2.5	0.5297	0.0000	OK
360 minute summer	PP-S34	192	0.531	0.031	4.8	1.2944	0.0000	OK
360 minute summer	PP-S35	192	0.512	0.012	0.7	0.1851	0.0000	OK
360 minute summer	PP-S36	192	0.527	0.027	3.7	0.7845	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	PP-S5	2.000_2	S5	15.2	1.040	0.206	0.1208	
360 minute summer	PP-S12	8.000_1	S12	-8.8	0.891	-0.097	0.1368	
360 minute summer	PP-S14	11.000_1	S14	16.0	1.218	0.193	0.1231	
360 minute summer	PP-S2	10.000_1	S2	21.6	0.981	0.237	0.1338	
360 minute summer	PP-S15	12.000_1	S15	11.1	0.960	0.117	0.1379	
360 minute summer	PP-S75	13.000_1	S75	-7.4	0.982	-0.075	0.1337	
360 minute summer	PP-S24	14.000_1	S92	11.2	1.319	0.109	0.1286	
360 minute summer	PP-S30	18.000_1	S30	3.4	1.055	0.031	0.1138	
360 minute summer	PP-S33	20.000_1	S33	2.5	1.133	0.022	0.1047	
360 minute summer	PP-S34	21.000_1	S34	4.8	1.396	0.041	0.1035	
360 minute summer	PP-S35	22.000_2	S35	0.7	0.818	0.006	0.0697	
360 minute summer	PP-S36	23.000_2	S36	3.7	1.307	0.031	0.0444	

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Results for 30 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S26	232	0.603	0.841	7.4	1.4861	0.0000	SURCHARGED
360 minute winter	S25	232	0.595	0.839	9.0	2.1353	0.0000	SURCHARGED
360 minute winter	S16	232	0.595	0.862	22.5	3.8218	0.0000	SURCHARGED
360 minute winter	S145	240	0.599	0.914	37.9	3.9348	0.0000	SURCHARGED
360 minute winter	S4	240	0.581	0.824	10.6	1.4552	0.0000	SURCHARGED
360 minute winter	S5	232	0.603	0.887	11.2	1.5672	0.0000	SURCHARGED
360 minute winter	S9	248	0.590	0.886	2.4	2.0410	0.0000	SURCHARGED
360 minute winter	S10	232	0.583	0.904	5.2	1.5975	0.0000	SURCHARGED
360 minute winter	S11	232	0.583	0.909	12.8	1.6068	0.0000	SURCHARGED
360 minute winter	S12	224	0.582	0.917	19.2	1.6200	0.0000	SURCHARGED
360 minute winter	S1	232	0.598	0.862	16.5	2.0308	0.0000	SURCHARGED
360 minute winter	S3	240	0.615	0.922	17.5	2.9486	0.0000	SURCHARGED
360 minute winter	S2	240	0.589	0.925	43.5	1.6340	0.0000	SURCHARGED
360 minute winter	S14	224	0.579	0.888	15.9	1.5692	0.0000	SURCHARGED
360 minute winter	S15	224	0.581	0.927	50.9	4.1715	0.0000	SURCHARGED
360 minute winter	S75	216	0.582	0.944	76.0	2.4017	0.0000	SURCHARGED
360 minute winter	S87	216	0.582	0.868	6.6	2.8157	0.0000	SURCHARGED
360 minute winter	S88	216	0.578	0.886	12.7	2.8888	0.0000	SURCHARGED
360 minute winter	S89	216	0.575	0.905	19.3	2.9333	0.0000	SURCHARGED
360 minute winter	S90	216	0.573	0.925	25.6	2.9452	0.0000	SURCHARGED
360 minute winter	S92	216	0.574	0.953	88.8	2.4256	0.0000	SURCHARGED
360 minute winter	S81	216	0.567	0.869	6.6	2.8051	0.0000	SURCHARGED
360 minute winter	S82	216	0.565	0.889	12.9	2.8852	0.0000	SURCHARGED
360 minute winter	S83	216	0.562	0.907	19.5	2.9281	0.0000	SURCHARGED
360 minute winter	S84	208	0.559	0.926	25.8	2.9370	0.0000	SURCHARGED
360 minute winter	S86	216	0.557	0.950	99.3	2.4177	0.0000	SURCHARGED
360 minute winter	S76	216	0.538	0.855	6.6	2.7488	0.0000	SURCHARGED
360 minute winter	S77	216	0.537	0.876	12.9	2.8333	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 winter	S26	1.000	S16	11.9	0.075	0.168	9.2005	
360 minute winter	S25	2.000	S16	6.7	0.042	0.095	7.3393	
360 minute winter	S16	1.001	S145	21.7	0.156	0.304	15.0038	
360 minute winter	S145	1.002	S75	29.4	0.200	0.416	15.0038	
360 minute winter	S4	3.000	S5	10.7	0.097	0.151	13.1095	
360 minute winter	S5	3.001	S11	10.6	0.120	0.148	13.1095	
360 minute winter	S9	4.000	S10	5.2	0.123	0.074	8.0648	
360 minute winter	S10	4.001	S11	5.5	0.102	0.073	1.3780	
360 minute winter	S11	3.002	S12	14.2	0.090	0.202	2.8740	
360 minute winter	S12	3.003	S15	20.6	0.130	0.300	3.6838	
360 minute winter	S1	5.000	S3	13.7	0.108	0.193	13.5151	
360 minute winter	S3	5.001	S2	20.4	0.171	0.288	9.1848	
360 minute winter	S2	5.002	S15	44.7	0.282	0.656	3.4165	
360 minute winter	S14	6.000	S15	10.7	-0.077	0.152	11.8707	
360 minute winter	S15	3.004	S75	53.5	0.338	0.748	4.9661	
360 minute winter	S75	1.003	S92	75.3	0.475	1.058	5.3380	
360 minute winter	S87	7.000	S88	6.1	0.125	0.086	6.8747	
360 minute winter	S88	7.001	S89	12.7	0.166	0.178	6.8747	
360 minute winter	S89	7.002	S90	19.2	0.196	0.269	6.8747	
360 minute winter	S90	7.003	S92	24.7	0.227	0.351	8.6413	
360 minute winter	S92	1.005	S86	88.8	0.560	1.249	4.4095	
360 minute winter	S81	8.000	S82	6.3	0.125	0.089	6.8747	
360 minute winter	S82	8.001	S83	12.9	0.164	0.186	6.8747	
360 minute winter	S83	8.002	S84	19.4	0.186	0.272	6.8747	
360 minute winter	S84	8.003	S86	25.5	0.233	0.359	8.1975	
360 minute winter	S86	1.006	S30	99.3	0.627	1.399	4.4165	
360 minute winter	S76	9.000	S77	6.3	0.125	0.088	6.8747	
360 minute winter	S77	9.001	S78	12.8	0.164	0.180	6.8747	

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Results for 30 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	216	0.536	0.897	19.4	2.8833	0.0000	SURCHARGED
360 minute winter	S79	208	0.535	0.917	25.7	2.8955	0.0000	SURCHARGED
360 minute winter	S30	216	0.531	0.938	110.4	2.3884	0.0000	SURCHARGED
360 minute winter	S31	216	0.489	0.825	7.1	2.7313	0.0000	SURCHARGED
360 minute winter	S32	208	0.488	0.867	13.0	2.6774	0.0000	SURCHARGED
360 minute winter	S33	208	0.487	0.910	118.6	2.3162	0.0000	SURCHARGED
360 minute winter	S34	208	0.430	0.869	121.1	1.5359	0.0000	SURCHARGED
360 minute winter	S35	208	0.340	0.806	121.4	1.4234	0.0000	SURCHARGED
360 minute winter	S36	208	0.309	0.751	2.8	1.3264	0.0000	SURCHARGED
360 minute winter	S37	208	0.309	0.780	134.1	3.8324	0.0000	SURCHARGED
360 minute winter	S38	208	0.133	0.649	134.1	1.1462	0.0000	SURCHARGED
360 minute winter	S39	208	-0.043	0.519	134.1	0.9164	0.0000	SURCHARGED
360 minute winter	S56	208	-0.075	0.484	0.9	0.8560	0.0000	SURCHARGED
360 minute winter	S57	208	-0.075	0.490	134.1	1.2482	0.0000	SURCHARGED
360 minute winter	S125	216	-0.139	0.416	2.0	0.7343	0.0000	OK
360 minute winter	S127	216	-0.139	0.440	134.0	1.1188	0.0000	OK
360 minute winter	S119	216	-0.203	0.366	1.3	0.6462	0.0000	OK
360 minute winter	S60	216	-0.203	0.390	134.0	0.9918	0.0000	OK
360 minute winter	Pond Inlet 1	264	-0.296	0.314	133.9	0.5551	0.0000	OK
360 minute winter	Pond Outlet	1128	-0.307	0.303	67.2	0.3422	0.0000	SURCHARGED
360 minute winter	S13	1704	-0.307	0.331	0.2	1.1454	0.0000	SURCHARGED
360 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute winter	PP-S26	224	0.590	0.090	6.9	6.6122	0.0000	OK
360 minute winter	PP-S25	224	0.590	0.090	7.2	5.9608	0.0000	OK
360 minute winter	PP-S16	216	0.584	0.084	4.8	6.4471	0.0000	OK
360 minute winter	PP-S145	224	0.579	0.079	8.3	5.9352	0.0000	OK
360 minute winter	PP-S4	232	0.583	0.083	4.8	6.1539	0.0000	OK
360 minute winter	PP-S1	224	0.585	0.085	11.8	26.6107	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	S78	9.002	S79	19.3	0.176	0.278	6.8745	
360 minute winter	S79	9.003	S30	25.8	0.228	0.359	7.6907	
360 minute winter	S30	1.007	S33	110.4	0.697	1.551	5.0209	
360 minute winter	S31	10.000	S32	6.9	0.140	0.097	13.6740	
360 minute winter	S32	10.001	S33	12.8	0.173	0.179	13.6740	
360 minute winter	S33	1.008	S34	118.3	0.747	1.677	5.1108	
360 minute winter	S34	1.009	S35	120.9	0.763	1.703	8.5103	
360 minute winter	S35	1.010	S37	121.5	0.767	1.829	1.7947	
360 minute winter	S36	11.000	S37	2.7	-0.048	0.039	9.1184	
360 minute winter	S37	1.011	S38	134.1	0.846	1.898	14.3287	
360 minute winter	S38	1.012	S39	134.1	0.846	1.876	14.3287	
360 minute winter	S39	1.013	S57	134.1	0.846	2.116	1.1814	
360 minute winter	S56	12.011	S57	-0.9	-0.180	-0.013	2.0645	
360 minute winter	S57	1.014	S127	134.0	0.846	1.895	4.4350	
360 minute winter	S125	21.003	S127	-2.0	-0.160	-0.028	7.6567	
360 minute winter	S127	1.015	S60	134.0	0.881	1.881	4.1997	
360 minute winter	S119	22.003	S60	-1.3	-0.119	-0.019	7.0000	
360 minute winter	S60	1.016	Pond Inlet 1	133.9	1.038	1.768	3.9073	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	67.2	0.022	0.001	1595.3267	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.180	0.003	0.4779	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	7.4	0.507	0.192	0.2133	
360 minute winter	PP-S25	2.000_1	S25	9.0	0.630	0.156	0.1084	
360 minute winter	PP-S16	3.000_1	S16	6.7	0.833	0.099	0.1179	
360 minute winter	PP-S145	4.000_2	S145	19.9	1.022	0.236	0.1292	
360 minute winter	PP-S4	1.000_2	S4	10.6	0.722	0.185	0.0959	
360 minute winter	PP-S1	4.000_1	S1	14.7	1.010	0.221	0.1136	

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Results for 30 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP-S5	232	0.580	0.080	9.2	6.3373	0.0000	OK
360 minute winter	PP-S12	224	0.581	0.081	8.5	6.7617	0.0000	OK
360 minute winter	PP-S14	240	0.574	0.074	8.8	23.3265	0.0000	OK
360 minute winter	PP-S2	232	0.577	0.077	11.1	7.2132	0.0000	OK
360 minute winter	PP-S15	224	0.579	0.079	11.2	3.7911	0.0000	OK
360 minute winter	PP-S75	216	0.580	0.080	7.6	4.2828	0.0000	OK
360 minute winter	PP-S24	224	0.569	0.069	4.3	5.6199	0.0000	OK
360 minute winter	PP-S30	216	0.534	0.034	1.6	1.2712	0.0000	OK
360 minute winter	PP-S33	192	0.520	0.020	1.9	0.4118	0.0000	OK
360 minute winter	PP-S34	184	0.527	0.027	3.7	1.0201	0.0000	OK
360 minute winter	PP-S35	192	0.511	0.011	0.6	0.1618	0.0000	OK
360 minute winter	PP-S36	184	0.524	0.024	2.8	0.6192	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	PP-S5	2.000_2	S5	11.2	0.971	0.151	0.1260	
360 minute winter	PP-S12	8.000_1	S12	9.5	0.854	0.105	0.1313	
360 minute winter	PP-S14	11.000_1	S14	15.9	1.089	0.192	0.1225	
360 minute winter	PP-S2	10.000_1	S2	23.1	0.954	0.253	0.1293	
360 minute winter	PP-S15	12.000_1	S15	13.9	0.896	0.147	0.1304	
360 minute winter	PP-S75	13.000_1	S75	10.7	0.918	0.108	0.1309	
360 minute winter	PP-S24	14.000_1	S92	14.8	1.225	0.144	0.1251	
360 minute winter	PP-S30	18.000_1	S30	1.9	0.967	0.017	0.1086	
360 minute winter	PP-S33	20.000_1	S33	1.9	1.045	0.017	0.1036	
360 minute winter	PP-S34	21.000_1	S34	3.7	1.296	0.031	0.0943	
360 minute winter	PP-S35	22.000_2	S35	0.6	0.759	0.005	0.0563	
360 minute winter	PP-S36	23.000_2	S36	2.8	1.225	0.024	0.0304	

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Results for 30 year 480 minute summer. 1920 minute analysis at 8 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
480 minute summer	S26	264	0.558	0.796	5.6	1.4066	0.0000	SURCHARGED
480 minute summer	S25	272	0.564	0.808	7.5	2.0559	0.0000	SURCHARGED
480 minute summer	S16	272	0.559	0.826	19.3	3.6618	0.0000	SURCHARGED
480 minute summer	S145	288	0.560	0.875	32.4	3.7689	0.0000	SURCHARGED
480 minute summer	S4	272	0.566	0.809	6.0	1.4302	0.0000	SURCHARGED
480 minute summer	S5	272	0.569	0.853	8.1	1.5076	0.0000	SURCHARGED
480 minute summer	S9	288	0.561	0.857	5.9	1.9743	0.0000	SURCHARGED
480 minute summer	S10	272	0.560	0.881	6.1	1.5565	0.0000	SURCHARGED
480 minute summer	S11	272	0.561	0.887	10.7	1.5671	0.0000	SURCHARGED
480 minute summer	S12	272	0.561	0.896	17.3	1.5840	0.0000	SURCHARGED
480 minute summer	S1	272	0.565	0.829	9.6	1.9519	0.0000	SURCHARGED
480 minute summer	S3	272	0.560	0.867	14.8	2.7739	0.0000	SURCHARGED
480 minute summer	S2	272	0.562	0.898	18.2	1.5867	0.0000	SURCHARGED
480 minute summer	S14	272	0.563	0.872	8.5	1.5407	0.0000	SURCHARGED
480 minute summer	S15	272	0.564	0.910	45.8	4.0955	0.0000	SURCHARGED
480 minute summer	S75	272	0.559	0.921	69.2	2.3440	0.0000	SURCHARGED
480 minute summer	S87	272	0.557	0.843	7.0	2.7343	0.0000	SURCHARGED
480 minute summer	S88	272	0.559	0.867	12.6	2.8259	0.0000	SURCHARGED
480 minute summer	S89	272	0.554	0.884	19.1	2.8663	0.0000	SURCHARGED
480 minute summer	S90	264	0.552	0.904	25.4	2.8778	0.0000	SURCHARGED
480 minute summer	S92	264	0.550	0.929	82.3	2.3651	0.0000	SURCHARGED
480 minute summer	S81	272	0.537	0.839	7.0	2.7099	0.0000	SURCHARGED
480 minute summer	S82	272	0.539	0.863	12.4	2.8016	0.0000	SURCHARGED
480 minute summer	S83	272	0.537	0.882	19.2	2.8486	0.0000	SURCHARGED
480 minute summer	S84	264	0.535	0.902	25.6	2.8625	0.0000	SURCHARGED
480 minute summer	S86	264	0.534	0.927	94.4	2.3591	0.0000	SURCHARGED
480 minute summer	S76	256	0.516	0.833	7.0	2.6784	0.0000	SURCHARGED
480 minute summer	S77	256	0.517	0.856	12.4	2.7677	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S26	1.000	S16	7.0	0.044	0.099	9.2005	
480 minute summer	S25	2.000	S16	7.3	0.046	0.104	7.3393	
480 minute summer	S16	1.001	S145	16.5	0.140	0.231	15.0038	
480 minute summer	S145	1.002	S75	31.9	0.201	0.452	15.0038	
480 minute summer	S4	3.000	S5	7.9	0.083	0.112	13.1095	
480 minute summer	S5	3.001	S11	9.0	0.119	0.127	13.1095	
480 minute summer	S9	4.000	S10	-3.3	0.112	-0.047	8.0648	
480 minute summer	S10	4.001	S11	-6.1	0.110	-0.080	1.3780	
480 minute summer	S11	3.002	S12	12.0	0.076	0.171	2.8740	
480 minute summer	S12	3.003	S15	18.2	0.115	0.264	3.6838	
480 minute summer	S1	5.000	S3	9.0	0.103	0.127	13.5151	
480 minute summer	S3	5.001	S2	16.1	0.148	0.227	9.1848	
480 minute summer	S2	5.002	S15	15.6	0.102	0.230	3.4165	
480 minute summer	S14	6.000	S15	-7.0	-0.054	-0.100	11.8707	
480 minute summer	S15	3.004	S75	44.2	0.279	0.618	4.9661	
480 minute summer	S75	1.003	S92	66.8	0.422	0.939	5.3380	
480 minute summer	S87	7.000	S88	6.4	0.123	0.090	6.8747	
480 minute summer	S88	7.001	S89	12.9	0.153	0.181	6.8747	
480 minute summer	S89	7.002	S90	19.3	0.171	0.270	6.8747	
480 minute summer	S90	7.003	S92	26.3	0.201	0.374	8.6413	
480 minute summer	S92	1.005	S86	82.2	0.519	1.157	4.4095	
480 minute summer	S81	8.000	S82	6.2	0.122	0.087	6.8747	
480 minute summer	S82	8.001	S83	13.0	0.150	0.186	6.8747	
480 minute summer	S83	8.002	S84	19.4	0.165	0.273	6.8747	
480 minute summer	S84	8.003	S86	25.7	0.200	0.362	8.1975	
480 minute summer	S86	1.006	S30	94.9	0.599	1.337	4.4165	
480 minute summer	S76	9.000	S77	6.2	0.123	0.087	6.8747	
480 minute summer	S77	9.001	S78	12.8	0.151	0.180	6.8747	

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Results for 30 year 480 minute summer. 1920 minute analysis at 8 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
480 minute summer	S78	256	0.516	0.877	19.0	2.8193	0.0000	SURCHARGED
480 minute summer	S79	256	0.515	0.897	25.2	2.8324	0.0000	SURCHARGED
480 minute summer	S30	256	0.511	0.918	108.2	2.3354	0.0000	SURCHARGED
480 minute summer	S31	256	0.470	0.806	7.5	2.6689	0.0000	SURCHARGED
480 minute summer	S32	256	0.470	0.849	12.4	2.6204	0.0000	SURCHARGED
480 minute summer	S33	256	0.468	0.891	116.9	2.2681	0.0000	SURCHARGED
480 minute summer	S34	256	0.413	0.852	119.9	1.5046	0.0000	SURCHARGED
480 minute summer	S35	256	0.324	0.790	120.4	1.3952	0.0000	SURCHARGED
480 minute summer	S36	256	0.293	0.735	3.0	1.2979	0.0000	SURCHARGED
480 minute summer	S37	256	0.293	0.764	134.2	3.7564	0.0000	SURCHARGED
480 minute summer	S38	264	0.120	0.636	133.8	1.1242	0.0000	SURCHARGED
480 minute summer	S39	264	-0.051	0.511	133.6	0.9032	0.0000	SURCHARGED
480 minute summer	S56	264	-0.081	0.478	0.8	0.8444	0.0000	SURCHARGED
480 minute summer	S57	264	-0.081	0.484	133.4	1.2315	0.0000	SURCHARGED
480 minute summer	S125	264	-0.144	0.411	1.3	0.7254	0.0000	OK
480 minute summer	S127	264	-0.144	0.435	132.9	1.1062	0.0000	OK
480 minute summer	S119	264	-0.208	0.361	1.1	0.6376	0.0000	OK
480 minute summer	S60	264	-0.208	0.385	132.3	0.9795	0.0000	OK
480 minute summer	Pond Inlet 1	296	-0.309	0.301	132.3	0.5320	0.0000	OK
480 minute summer	Pond Outlet	1576	-0.323	0.287	66.4	0.3248	0.0000	OK
480 minute summer	S13	1856	-0.323	0.315	0.2	1.0921	0.0000	SURCHARGED
480 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute summer	PP-S26	272	0.566	0.066	3.4	3.9107	0.0000	OK
480 minute summer	PP-S25	272	0.564	0.064	3.8	3.5001	0.0000	OK
480 minute summer	PP-S16	264	0.557	0.057	5.5	2.9845	0.0000	OK
480 minute summer	PP-S145	272	0.563	0.063	6.9	3.7768	0.0000	OK
480 minute summer	PP-S4	272	0.557	0.057	4.0	2.9427	0.0000	OK
480 minute summer	PP-S1	280	0.559	0.059	10.2	17.3800	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	S78	9.002	S79	19.1	0.168	0.275	6.8745	
480 minute summer	S79	9.003	S30	24.9	0.187	0.347	7.6907	
480 minute summer	S30	1.007	S33	108.4	0.684	1.522	5.0209	
480 minute summer	S31	10.000	S32	6.7	0.127	0.095	13.6740	
480 minute summer	S32	10.001	S33	12.2	0.168	0.170	13.6740	
480 minute summer	S33	1.008	S34	116.9	0.738	1.658	5.1108	
480 minute summer	S34	1.009	S35	119.9	0.757	1.689	8.5103	
480 minute summer	S35	1.010	S37	120.4	0.760	1.812	1.7947	
480 minute summer	S36	11.000	S37	2.7	0.047	0.039	9.1184	
480 minute summer	S37	1.011	S38	133.8	0.844	1.894	14.3287	
480 minute summer	S38	1.012	S39	133.6	0.843	1.870	14.3287	
480 minute summer	S39	1.013	S57	133.4	0.842	2.105	1.1814	
480 minute summer	S56	12.011	S57	-0.8	-0.130	-0.012	2.0645	
480 minute summer	S57	1.014	S127	132.9	0.839	1.879	4.4257	
480 minute summer	S125	21.003	S127	-1.3	-0.136	-0.019	7.6092	
480 minute summer	S127	1.015	S60	132.3	0.877	1.857	4.1699	
480 minute summer	S119	22.003	S60	-1.1	-0.095	-0.016	6.9204	
480 minute summer	S60	1.016	Pond Inlet 1	132.3	1.027	1.748	3.8153	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	66.4	0.018	0.001	1510.0083	
480 minute summer	Pond Outlet	1.018	S13	0.2	0.161	0.003	0.4745	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	5.6	0.511	0.145	0.1445	
480 minute summer	PP-S25	2.000_1	S25	7.5	0.648	0.130	0.0795	
480 minute summer	PP-S16	3.000_1	S16	6.8	0.863	0.101	0.0846	
480 minute summer	PP-S145	4.000_2	S145	7.4	1.054	0.087	0.1124	
480 minute summer	PP-S4	1.000_2	S4	6.0	0.742	0.106	0.0770	
480 minute summer	PP-S1	4.000_1	S1	8.3	0.978	0.125	0.0856	

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Results for 30 year 480 minute summer. 1920 minute analysis at 8 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
480 minute summer	PP-S5	264	0.554	0.054	9.1	2.9849	0.0000	OK
480 minute summer	PP-S12	280	0.556	0.056	5.4	4.0804	0.0000	OK
480 minute summer	PP-S14	288	0.549	0.049	7.3	10.0421	0.0000	OK
480 minute summer	PP-S2	264	0.553	0.053	6.9	4.5476	0.0000	OK
480 minute summer	PP-S15	272	0.563	0.063	5.4	2.8357	0.0000	OK
480 minute summer	PP-S75	272	0.559	0.059	7.4	2.9215	0.0000	OK
480 minute summer	PP-S24	264	0.545	0.045	6.7	2.4574	0.0000	OK
480 minute summer	PP-S30	248	0.519	0.019	1.7	0.4627	0.0000	OK
480 minute summer	PP-S33	248	0.521	0.021	2.0	0.4362	0.0000	OK
480 minute summer	PP-S34	248	0.528	0.028	3.9	1.0848	0.0000	OK
480 minute summer	PP-S35	248	0.511	0.011	0.6	0.1638	0.0000	OK
480 minute summer	PP-S36	248	0.525	0.025	3.0	0.6528	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	PP-S5	2.000_2	S5	6.2	1.001	0.083	0.0989	
480 minute summer	PP-S12	8.000_1	S12	11.3	0.867	0.124	0.1166	
480 minute summer	PP-S14	11.000_1	S14	8.5	0.917	0.103	0.1022	
480 minute summer	PP-S2	10.000_1	S2	10.1	0.950	0.110	0.1143	
480 minute summer	PP-S15	12.000_1	S15	9.5	0.924	0.101	0.1220	
480 minute summer	PP-S75	13.000_1	S75	10.3	0.948	0.104	0.1201	
480 minute summer	PP-S24	14.000_1	S92	9.1	1.265	0.089	0.1136	
480 minute summer	PP-S30	18.000_1	S30	1.6	1.005	0.015	0.1035	
480 minute summer	PP-S33	20.000_1	S33	1.9	1.078	0.017	0.1001	
480 minute summer	PP-S34	21.000_1	S34	3.8	1.337	0.032	0.0867	
480 minute summer	PP-S35	22.000_2	S35	0.6	0.797	0.005	0.0476	
480 minute summer	PP-S36	23.000_2	S36	3.0	1.245	0.025	0.0229	

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Results for 30 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S26	280	0.540	0.778	3.4	1.3739	0.0000	SURCHARGED
480 minute winter	S25	280	0.541	0.785	3.1	1.9989	0.0000	SURCHARGED
480 minute winter	S16	280	0.544	0.811	14.2	3.5981	0.0000	SURCHARGED
480 minute winter	S145	280	0.533	0.848	22.0	3.6493	0.0000	SURCHARGED
480 minute winter	S4	280	0.539	0.782	2.6	1.3822	0.0000	SURCHARGED
480 minute winter	S5	280	0.533	0.817	7.5	1.4439	0.0000	SURCHARGED
480 minute winter	S9	280	0.532	0.828	2.1	1.9077	0.0000	SURCHARGED
480 minute winter	S10	272	0.532	0.853	1.9	1.5075	0.0000	SURCHARGED
480 minute winter	S11	272	0.532	0.858	7.7	1.5166	0.0000	SURCHARGED
480 minute winter	S12	272	0.533	0.868	9.1	1.5330	0.0000	SURCHARGED
480 minute winter	S1	280	0.536	0.800	7.5	1.8839	0.0000	SURCHARGED
480 minute winter	S3	280	0.535	0.842	11.9	2.6939	0.0000	SURCHARGED
480 minute winter	S2	272	0.534	0.870	16.4	1.5369	0.0000	SURCHARGED
480 minute winter	S14	280	0.534	0.843	3.3	1.4899	0.0000	SURCHARGED
480 minute winter	S15	272	0.533	0.879	32.3	3.9546	0.0000	SURCHARGED
480 minute winter	S75	272	0.530	0.892	55.4	2.2703	0.0000	SURCHARGED
480 minute winter	S87	272	0.526	0.812	5.2	2.6332	0.0000	SURCHARGED
480 minute winter	S88	272	0.525	0.833	9.9	2.7173	0.0000	SURCHARGED
480 minute winter	S89	272	0.525	0.855	14.8	2.7712	0.0000	SURCHARGED
480 minute winter	S90	272	0.524	0.876	19.7	2.7910	0.0000	SURCHARGED
480 minute winter	S92	272	0.522	0.901	73.3	2.2919	0.0000	SURCHARGED
480 minute winter	S81	272	0.509	0.811	5.2	2.6201	0.0000	SURCHARGED
480 minute winter	S82	272	0.509	0.833	9.8	2.7042	0.0000	SURCHARGED
480 minute winter	S83	272	0.508	0.853	14.7	2.7541	0.0000	SURCHARGED
480 minute winter	S84	272	0.507	0.874	19.5	2.7734	0.0000	SURCHARGED
480 minute winter	S86	272	0.505	0.898	88.7	2.2858	0.0000	SURCHARGED
480 minute winter	S76	272	0.482	0.799	5.2	2.5699	0.0000	SURCHARGED
480 minute winter	S77	272	0.482	0.821	9.7	2.6543	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S26	1.000	S16	5.1	0.045	0.073	9.2005	
480 minute winter	S25	2.000	S16	2.8	0.039	0.040	7.3393	
480 minute winter	S16	1.001	S145	12.0	0.149	0.169	15.0038	
480 minute winter	S145	1.002	S75	22.5	0.193	0.319	15.0038	
480 minute winter	S4	3.000	S5	4.1	0.090	0.058	13.1095	
480 minute winter	S5	3.001	S11	7.7	0.105	0.108	13.1095	
480 minute winter	S9	4.000	S10	1.9	0.114	0.027	8.0648	
480 minute winter	S10	4.001	S11	2.0	0.114	0.026	1.3780	
480 minute winter	S11	3.002	S12	8.3	0.069	0.118	2.8740	
480 minute winter	S12	3.003	S15	9.6	0.070	0.139	3.6838	
480 minute winter	S1	5.000	S3	7.6	0.104	0.106	13.5151	
480 minute winter	S3	5.001	S2	12.0	0.158	0.170	9.1848	
480 minute winter	S2	5.002	S15	16.9	0.119	0.248	3.4165	
480 minute winter	S14	6.000	S15	-3.3	-0.064	-0.047	11.8707	
480 minute winter	S15	3.004	S75	32.9	0.208	0.460	4.9661	
480 minute winter	S75	1.003	S92	54.8	0.346	0.770	5.3380	
480 minute winter	S87	7.000	S88	4.9	0.120	0.069	6.8747	
480 minute winter	S88	7.001	S89	9.8	0.157	0.137	6.8747	
480 minute winter	S89	7.002	S90	14.8	0.178	0.207	6.8747	
480 minute winter	S90	7.003	S92	19.9	0.197	0.282	8.6413	
480 minute winter	S92	1.005	S86	73.2	0.462	1.030	4.4095	
480 minute winter	S81	8.000	S82	4.8	0.119	0.068	6.8747	
480 minute winter	S82	8.001	S83	9.7	0.155	0.139	6.8747	
480 minute winter	S83	8.002	S84	14.6	0.178	0.205	6.8747	
480 minute winter	S84	8.003	S86	19.5	0.184	0.275	8.1975	
480 minute winter	S86	1.006	S30	88.7	0.560	1.250	4.4165	
480 minute winter	S76	9.000	S77	4.7	0.120	0.066	6.8747	
480 minute winter	S77	9.001	S78	9.6	0.155	0.134	6.8747	

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Results for 30 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S78	272	0.481	0.842	14.6	2.7073	0.0000	SURCHARGED
480 minute winter	S79	272	0.480	0.862	19.4	2.7240	0.0000	SURCHARGED
480 minute winter	S30	272	0.478	0.885	105.2	2.2533	0.0000	SURCHARGED
480 minute winter	S31	272	0.435	0.771	5.6	2.5533	0.0000	SURCHARGED
480 minute winter	S32	272	0.435	0.814	9.6	2.5125	0.0000	SURCHARGED
480 minute winter	S33	272	0.434	0.857	115.6	2.1802	0.0000	SURCHARGED
480 minute winter	S34	272	0.379	0.818	118.3	1.4449	0.0000	SURCHARGED
480 minute winter	S35	272	0.292	0.758	118.6	1.3399	0.0000	SURCHARGED
480 minute winter	S36	272	0.263	0.705	2.3	1.2452	0.0000	SURCHARGED
480 minute winter	S37	272	0.263	0.734	129.4	3.6070	0.0000	SURCHARGED
480 minute winter	S38	272	0.100	0.616	129.0	1.0885	0.0000	SURCHARGED
480 minute winter	S39	272	-0.063	0.499	128.9	0.8819	0.0000	SURCHARGED
480 minute winter	S56	272	-0.092	0.467	0.5	0.8260	0.0000	SURCHARGED
480 minute winter	S57	272	-0.092	0.473	128.9	1.2049	0.0000	SURCHARGED
480 minute winter	S125	280	-0.150	0.405	1.2	0.7156	0.0000	OK
480 minute winter	S127	280	-0.150	0.429	128.8	1.0917	0.0000	OK
480 minute winter	S119	288	-0.210	0.359	1.1	0.6338	0.0000	OK
480 minute winter	S60	288	-0.210	0.383	128.8	0.9739	0.0000	OK
480 minute winter	Pond Inlet 1	1424	-0.293	0.317	128.7	0.5610	0.0000	OK
480 minute winter	Pond Outlet	1584	-0.292	0.318	64.5	0.3591	0.0000	SURCHARGED
480 minute winter	S13	920	-0.292	0.346	0.2	1.1972	0.0000	SURCHARGED
480 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute winter	PP-S26	280	0.538	0.038	1.6	1.3450	0.0000	OK
480 minute winter	PP-S25	280	0.535	0.035	1.7	1.1146	0.0000	OK
480 minute winter	PP-S16	280	0.535	0.035	2.5	1.1404	0.0000	OK
480 minute winter	PP-S145	280	0.533	0.033	2.9	1.1045	0.0000	OK
480 minute winter	PP-S4	280	0.534	0.034	2.3	1.0898	0.0000	OK
480 minute winter	PP-S1	264	0.544	0.044	5.8	12.1094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S78	9.002	S79	14.5	0.178	0.208	6.8745	
480 minute winter	S79	9.003	S30	19.2	0.185	0.267	7.6907	
480 minute winter	S30	1.007	S33	105.5	0.666	1.482	5.0209	
480 minute winter	S31	10.000	S32	5.0	0.125	0.071	13.6740	
480 minute winter	S32	10.001	S33	9.4	0.138	0.132	13.6740	
480 minute winter	S33	1.008	S34	115.4	0.728	1.636	5.1108	
480 minute winter	S34	1.009	S35	118.2	0.746	1.664	8.5103	
480 minute winter	S35	1.010	S37	118.4	0.747	1.782	1.7947	
480 minute winter	S36	11.000	S37	2.1	-0.048	0.029	9.1184	
480 minute winter	S37	1.011	S38	129.0	0.814	1.826	14.3287	
480 minute winter	S38	1.012	S39	128.9	0.814	1.804	14.3287	
480 minute winter	S39	1.013	S57	128.9	0.813	2.034	1.1814	
480 minute winter	S56	12.011	S57	-0.5	-0.044	-0.008	2.0645	
480 minute winter	S57	1.014	S127	128.8	0.814	1.821	4.4113	
480 minute winter	S125	21.003	S127	-1.2	-0.072	-0.017	7.5484	
480 minute winter	S127	1.015	S60	128.8	0.858	1.808	4.1451	
480 minute winter	S119	22.003	S60	-1.1	-0.139	-0.015	6.8837	
480 minute winter	S60	1.016	Pond Inlet 1	128.7	1.004	1.700	3.8641	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	64.5	0.020	0.001	1678.2983	
480 minute winter	Pond Outlet	1.018	S13	0.2	0.178	0.003	0.4779	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	2.4	0.478	0.063	0.1013	
480 minute winter	PP-S25	2.000_1	S25	3.1	0.604	0.054	0.0538	
480 minute winter	PP-S16	3.000_1	S16	3.5	0.800	0.052	0.0683	
480 minute winter	PP-S145	4.000_2	S145	4.0	0.978	0.048	0.0864	
480 minute winter	PP-S4	1.000_2	S4	2.5	0.694	0.043	0.0516	
480 minute winter	PP-S1	4.000_1	S1	5.6	0.969	0.085	0.0654	

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Results for 30 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP-S5	248	0.534	0.034	3.4	1.1732	0.0000	OK
480 minute winter	PP-S12	272	0.533	0.033	2.9	1.5286	0.0000	OK
480 minute winter	PP-S14	288	0.532	0.032	3.2	4.2816	0.0000	OK
480 minute winter	PP-S2	272	0.534	0.034	1.8	2.3444	0.0000	OK
480 minute winter	PP-S15	280	0.535	0.035	3.6	1.1488	0.0000	OK
480 minute winter	PP-S75	272	0.531	0.031	2.9	1.0798	0.0000	OK
480 minute winter	PP-S24	248	0.529	0.029	3.4	1.0138	0.0000	OK
480 minute winter	PP-S30	248	0.517	0.017	1.3	0.3714	0.0000	OK
480 minute winter	PP-S33	248	0.518	0.018	1.5	0.3408	0.0000	OK
480 minute winter	PP-S34	248	0.525	0.025	2.9	0.8484	0.0000	OK
480 minute winter	PP-S35	256	0.510	0.010	0.4	0.1160	0.0000	OK
480 minute winter	PP-S36	248	0.522	0.022	2.3	0.5135	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP-S5	2.000_2	S5	3.6	0.933	0.048	0.0705	
480 minute winter	PP-S12	8.000_1	S12	2.2	0.794	0.024	0.0961	
480 minute winter	PP-S14	11.000_1	S14	-3.1	0.726	-0.037	0.0840	
480 minute winter	PP-S2	10.000_1	S2	4.3	0.892	0.047	0.0974	
480 minute winter	PP-S15	12.000_1	S15	-2.3	0.854	-0.024	0.1007	
480 minute winter	PP-S75	13.000_1	S75	3.0	0.880	0.030	0.1044	
480 minute winter	PP-S24	14.000_1	S92	3.5	1.174	0.034	0.1045	
480 minute winter	PP-S30	18.000_1	S30	1.3	0.934	0.012	0.0984	
480 minute winter	PP-S33	20.000_1	S33	1.5	0.995	0.013	0.0853	
480 minute winter	PP-S34	21.000_1	S34	3.0	1.239	0.025	0.0675	
480 minute winter	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0299	
480 minute winter	PP-S36	23.000_2	S36	2.3	1.157	0.019	0.0098	

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Results for 30 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S26	330	0.494	0.732	4.1	1.2941	0.0000	SURCHARGED
600 minute summer	S25	330	0.500	0.744	3.5	1.8941	0.0000	SURCHARGED
600 minute summer	S16	330	0.499	0.766	12.1	3.3971	0.0000	SURCHARGED
600 minute summer	S145	330	0.495	0.810	20.2	3.4887	0.0000	SURCHARGED
600 minute summer	S4	330	0.495	0.738	2.5	1.3033	0.0000	SURCHARGED
600 minute summer	S5	330	0.495	0.779	6.4	1.3761	0.0000	SURCHARGED
600 minute summer	S9	330	0.494	0.790	2.1	1.8198	0.0000	SURCHARGED
600 minute summer	S10	330	0.494	0.815	1.8	1.4399	0.0000	SURCHARGED
600 minute summer	S11	330	0.494	0.820	8.0	1.4488	0.0000	SURCHARGED
600 minute summer	S12	330	0.494	0.829	9.1	1.4646	0.0000	SURCHARGED
600 minute summer	S1	330	0.494	0.758	7.3	1.7859	0.0000	SURCHARGED
600 minute summer	S3	330	0.494	0.801	11.9	2.5622	0.0000	SURCHARGED
600 minute summer	S2	330	0.494	0.830	12.6	1.4666	0.0000	SURCHARGED
600 minute summer	S14	330	0.494	0.803	1.6	1.4186	0.0000	SURCHARGED
600 minute summer	S15	330	0.494	0.840	27.3	3.7794	0.0000	SURCHARGED
600 minute summer	S75	330	0.491	0.853	48.1	2.1709	0.0000	SURCHARGED
600 minute summer	S87	330	0.484	0.770	5.6	2.4976	0.0000	SURCHARGED
600 minute summer	S88	330	0.484	0.792	10.2	2.5834	0.0000	SURCHARGED
600 minute summer	S89	330	0.484	0.814	14.5	2.6372	0.0000	SURCHARGED
600 minute summer	S90	330	0.482	0.834	18.7	2.6577	0.0000	SURCHARGED
600 minute summer	S92	330	0.481	0.860	68.3	2.1888	0.0000	SURCHARGED
600 minute summer	S81	330	0.467	0.769	5.6	2.4828	0.0000	SURCHARGED
600 minute summer	S82	330	0.467	0.791	10.2	2.5685	0.0000	SURCHARGED
600 minute summer	S83	330	0.467	0.812	14.3	2.6198	0.0000	SURCHARGED
600 minute summer	S84	330	0.465	0.832	18.5	2.6405	0.0000	SURCHARGED
600 minute summer	S86	330	0.464	0.857	85.4	2.1805	0.0000	SURCHARGED
600 minute summer	S76	330	0.440	0.757	5.6	2.4337	0.0000	SURCHARGED
600 minute summer	S77	330	0.440	0.779	10.2	2.5183	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S26	1.000	S16	-2.4	0.045	-0.034	9.2005	
600 minute summer	S25	2.000	S16	-2.0	0.041	-0.028	7.3393	
600 minute summer	S16	1.001	S145	10.5	0.138	0.147	15.0038	
600 minute summer	S145	1.002	S75	20.2	0.183	0.286	15.0038	
600 minute summer	S4	3.000	S5	2.8	0.081	0.039	13.1095	
600 minute summer	S5	3.001	S11	6.2	0.103	0.087	13.1095	
600 minute summer	S9	4.000	S10	1.8	0.111	0.026	8.0648	
600 minute summer	S10	4.001	S11	2.0	0.103	0.026	1.3780	
600 minute summer	S11	3.002	S12	8.5	0.067	0.121	2.8740	
600 minute summer	S12	3.003	S15	9.3	0.065	0.135	3.6838	
600 minute summer	S1	5.000	S3	6.7	0.101	0.095	13.5151	
600 minute summer	S3	5.001	S2	10.7	0.138	0.151	9.1848	
600 minute summer	S2	5.002	S15	12.5	0.095	0.184	3.4165	
600 minute summer	S14	6.000	S15	-1.5	-0.050	-0.021	11.8707	
600 minute summer	S15	3.004	S75	27.9	0.176	0.390	4.9661	
600 minute summer	S75	1.003	S92	48.5	0.306	0.681	5.3380	
600 minute summer	S87	7.000	S88	4.4	0.108	0.062	6.8747	
600 minute summer	S88	7.001	S89	8.7	0.145	0.122	6.8747	
600 minute summer	S89	7.002	S90	13.1	0.157	0.184	6.8747	
600 minute summer	S90	7.003	S92	17.3	0.186	0.246	8.6413	
600 minute summer	S92	1.005	S86	68.1	0.430	0.958	4.4095	
600 minute summer	S81	8.000	S82	4.4	0.107	0.062	6.8747	
600 minute summer	S82	8.001	S83	8.6	0.144	0.123	6.8747	
600 minute summer	S83	8.002	S84	13.0	0.150	0.183	6.8747	
600 minute summer	S84	8.003	S86	17.3	0.199	0.243	8.1975	
600 minute summer	S86	1.006	S30	85.2	0.538	1.200	4.4165	
600 minute summer	S76	9.000	S77	4.4	0.108	0.062	6.8747	
600 minute summer	S77	9.001	S78	8.8	0.144	0.123	6.8747	

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Results for 30 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S78	330	0.440	0.801	14.6	2.5729	0.0000	SURCHARGED
600 minute summer	S79	330	0.439	0.821	19.0	2.5920	0.0000	SURCHARGED
600 minute summer	S30	330	0.437	0.844	103.6	2.1474	0.0000	SURCHARGED
600 minute summer	S31	330	0.394	0.730	6.1	2.4170	0.0000	SURCHARGED
600 minute summer	S32	330	0.394	0.773	10.5	2.3858	0.0000	SURCHARGED
600 minute summer	S33	330	0.393	0.816	113.4	2.0764	0.0000	SURCHARGED
600 minute summer	S34	330	0.340	0.779	116.0	1.3758	0.0000	SURCHARGED
600 minute summer	S35	330	0.256	0.722	116.2	1.2754	0.0000	SURCHARGED
600 minute summer	S36	330	0.227	0.669	2.4	1.1826	0.0000	SURCHARGED
600 minute summer	S37	330	0.227	0.698	126.1	3.4324	0.0000	SURCHARGED
600 minute summer	S38	330	0.072	0.588	125.8	1.0384	0.0000	SURCHARGED
600 minute summer	S39	330	-0.082	0.480	125.7	0.8484	0.0000	SURCHARGED
600 minute summer	S56	330	-0.109	0.450	0.3	0.7955	0.0000	SURCHARGED
600 minute summer	S57	330	-0.109	0.456	125.6	1.1610	0.0000	SURCHARGED
600 minute summer	S125	345	-0.161	0.394	0.7	0.6962	0.0000	OK
600 minute summer	S127	345	-0.161	0.418	125.4	1.0639	0.0000	OK
600 minute summer	S119	345	-0.219	0.350	0.8	0.6182	0.0000	OK
600 minute summer	S60	345	-0.219	0.374	124.8	0.9514	0.0000	OK
600 minute summer	Pond Inlet 1	1335	-0.314	0.296	124.2	0.5235	0.0000	OK
600 minute summer	Pond Outlet	1740	-0.314	0.296	62.3	0.3351	0.0000	OK
600 minute summer	S13	1725	-0.314	0.324	0.1	1.1237	0.0000	SURCHARGED
600 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute summer	PP-S26	315	0.533	0.033	1.8	1.0114	0.0000	OK
600 minute summer	PP-S25	315	0.525	0.025	1.5	0.5867	0.0000	OK
600 minute summer	PP-S16	315	0.531	0.031	2.7	0.9318	0.0000	OK
600 minute summer	PP-S145	315	0.531	0.031	3.2	0.9350	0.0000	OK
600 minute summer	PP-S4	315	0.533	0.033	2.5	0.9973	0.0000	OK
600 minute summer	PP-S1	330	0.545	0.045	6.3	12.3704	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	S78	9.002	S79	13.4	0.151	0.192	6.8745	
600 minute summer	S79	9.003	S30	17.7	0.196	0.246	7.6907	
600 minute summer	S30	1.007	S33	103.4	0.653	1.453	5.0209	
600 minute summer	S31	10.000	S32	5.2	0.113	0.074	13.6740	
600 minute summer	S32	10.001	S33	9.6	0.153	0.134	13.6740	
600 minute summer	S33	1.008	S34	113.2	0.714	1.605	5.1108	
600 minute summer	S34	1.009	S35	115.8	0.731	1.630	8.5103	
600 minute summer	S35	1.010	S37	116.1	0.733	1.747	1.7947	
600 minute summer	S36	11.000	S37	2.0	0.039	0.028	9.1184	
600 minute summer	S37	1.011	S38	125.8	0.794	1.780	14.3287	
600 minute summer	S38	1.012	S39	125.7	0.793	1.759	14.3287	
600 minute summer	S39	1.013	S57	125.6	0.793	1.982	1.1814	
600 minute summer	S56	12.011	S57	-0.3	-0.101	-0.005	2.0638	
600 minute summer	S57	1.014	S127	125.4	0.798	1.773	4.3792	
600 minute summer	S125	21.003	S127	-0.7	-0.056	-0.010	7.4153	
600 minute summer	S127	1.015	S60	124.8	0.849	1.751	4.0743	
600 minute summer	S119	22.003	S60	-0.8	-0.122	-0.011	6.7329	
600 minute summer	S60	1.016	Pond Inlet 1	124.2	0.997	1.640	3.7455	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	62.3	0.017	0.001	1560.4183	
600 minute summer	Pond Outlet	1.018	S13	-0.1	0.146	-0.001	0.4774	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	1.8	0.492	0.046	0.0489	
600 minute summer	PP-S25	2.000_1	S25	1.5	0.615	0.026	0.0274	
600 minute summer	PP-S16	3.000_1	S16	2.7	0.818	0.040	0.0408	
600 minute summer	PP-S145	4.000_2	S145	3.2	1.007	0.038	0.0644	
600 minute summer	PP-S4	1.000_2	S4	2.5	0.710	0.043	0.0266	
600 minute summer	PP-S1	4.000_1	S1	5.4	0.969	0.082	0.0431	

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Results for 30 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP-S5	315	0.535	0.035	3.7	1.2763	0.0000	OK
600 minute summer	PP-S12	315	0.519	0.019	1.3	0.5196	0.0000	OK
600 minute summer	PP-S14	345	0.508	0.008	0.1	0.2680	0.0000	OK
600 minute summer	PP-S2	315	0.523	0.023	2.0	1.1854	0.0000	OK
600 minute summer	PP-S15	315	0.520	0.020	1.5	0.4037	0.0000	OK
600 minute summer	PP-S75	315	0.520	0.020	1.5	0.4496	0.0000	OK
600 minute summer	PP-S24	315	0.530	0.030	3.7	1.1014	0.0000	OK
600 minute summer	PP-S30	315	0.518	0.018	1.4	0.3991	0.0000	OK
600 minute summer	PP-S33	315	0.519	0.019	1.6	0.3628	0.0000	OK
600 minute summer	PP-S34	315	0.526	0.026	3.2	0.9307	0.0000	OK
600 minute summer	PP-S35	315	0.511	0.011	0.5	0.1408	0.0000	OK
600 minute summer	PP-S36	315	0.523	0.023	2.4	0.5432	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	PP-S5	2.000_2	S5	3.7	0.957	0.050	0.0490	
600 minute summer	PP-S12	8.000_1	S12	1.3	0.814	0.014	0.0718	
600 minute summer	PP-S14	11.000_1	S14	0.2	0.371	0.002	0.0544	
600 minute summer	PP-S2	10.000_1	S2	1.9	0.920	0.021	0.0736	
600 minute summer	PP-S15	12.000_1	S15	1.5	0.873	0.016	0.0776	
600 minute summer	PP-S75	13.000_1	S75	1.5	0.901	0.015	0.0842	
600 minute summer	PP-S24	14.000_1	S92	3.7	1.205	0.036	0.0892	
600 minute summer	PP-S30	18.000_1	S30	1.4	0.957	0.013	0.0806	
600 minute summer	PP-S33	20.000_1	S33	1.6	1.016	0.014	0.0639	
600 minute summer	PP-S34	21.000_1	S34	3.2	1.275	0.027	0.0457	
600 minute summer	PP-S35	22.000_2	S35	0.5	0.759	0.004	0.0124	
600 minute summer	PP-S36	23.000_2	S36	2.4	1.177	0.020	0.0102	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S26	345	0.308	0.546	1.4	0.9646	0.0000	SURCHARGED
600 minute winter	S25	345	0.308	0.552	1.2	1.4051	0.0000	SURCHARGED
600 minute winter	S16	345	0.308	0.575	9.1	2.5487	0.0000	SURCHARGED
600 minute winter	S145	345	0.307	0.622	17.8	2.6788	0.0000	SURCHARGED
600 minute winter	S4	345	0.307	0.550	1.9	0.9713	0.0000	SURCHARGED
600 minute winter	S5	345	0.307	0.591	4.3	1.0439	0.0000	SURCHARGED
600 minute winter	S9	345	0.307	0.603	1.6	1.3882	0.0000	SURCHARGED
600 minute winter	S10	345	0.307	0.628	1.4	1.1088	0.0000	SURCHARGED
600 minute winter	S11	345	0.307	0.633	6.7	1.1177	0.0000	SURCHARGED
600 minute winter	S12	345	0.306	0.641	7.9	1.1334	0.0000	SURCHARGED
600 minute winter	S1	345	0.308	0.572	6.1	1.3468	0.0000	SURCHARGED
600 minute winter	S3	345	0.307	0.614	9.7	1.9651	0.0000	SURCHARGED
600 minute winter	S2	345	0.307	0.643	11.0	1.1356	0.0000	SURCHARGED
600 minute winter	S14	345	0.306	0.615	0.8	1.0873	0.0000	SURCHARGED
600 minute winter	S15	345	0.306	0.652	23.7	2.9359	0.0000	SURCHARGED
600 minute winter	S75	345	0.304	0.666	42.3	1.6949	0.0000	SURCHARGED
600 minute winter	S87	345	0.299	0.585	4.3	1.8970	0.0000	SURCHARGED
600 minute winter	S88	345	0.299	0.607	8.1	1.9783	0.0000	SURCHARGED
600 minute winter	S89	345	0.298	0.628	11.5	2.0365	0.0000	SURCHARGED
600 minute winter	S90	345	0.298	0.650	15.1	2.0693	0.0000	SURCHARGED
600 minute winter	S92	345	0.296	0.675	59.7	1.7187	0.0000	SURCHARGED
600 minute winter	S81	345	0.285	0.587	4.3	1.8967	0.0000	SURCHARGED
600 minute winter	S82	345	0.285	0.609	8.1	1.9784	0.0000	SURCHARGED
600 minute winter	S83	345	0.285	0.630	11.6	2.0336	0.0000	SURCHARGED
600 minute winter	S84	345	0.284	0.651	15.2	2.0661	0.0000	SURCHARGED
600 minute winter	S86	345	0.283	0.676	74.6	1.7205	0.0000	SURCHARGED
600 minute winter	S76	345	0.265	0.582	4.3	1.8698	0.0000	SURCHARGED
600 minute winter	S77	345	0.265	0.604	8.1	1.9511	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S26	1.000	S16	1.5	0.043	0.022	9.2005	
600 minute winter	S25	2.000	S16	1.3	0.032	0.019	7.3393	
600 minute winter	S16	1.001	S145	9.2	0.142	0.129	15.0038	
600 minute winter	S145	1.002	S75	17.6	0.176	0.249	15.0038	
600 minute winter	S4	3.000	S5	2.1	0.081	0.029	13.1095	
600 minute winter	S5	3.001	S11	5.1	0.110	0.072	13.1095	
600 minute winter	S9	4.000	S10	1.4	0.102	0.020	8.0648	
600 minute winter	S10	4.001	S11	1.8	0.070	0.023	1.3780	
600 minute winter	S11	3.002	S12	7.3	0.063	0.104	2.8740	
600 minute winter	S12	3.003	S15	8.2	0.062	0.119	3.6838	
600 minute winter	S1	5.000	S3	6.0	0.102	0.084	13.5151	
600 minute winter	S3	5.001	S2	9.6	0.141	0.136	9.1848	
600 minute winter	S2	5.002	S15	11.0	0.093	0.161	3.4165	
600 minute winter	S14	6.000	S15	-0.7	-0.049	-0.010	11.8707	
600 minute winter	S15	3.004	S75	23.7	0.149	0.331	4.9661	
600 minute winter	S75	1.003	S92	42.3	0.267	0.594	5.3380	
600 minute winter	S87	7.000	S88	3.7	0.114	0.051	6.8747	
600 minute winter	S88	7.001	S89	7.4	0.151	0.104	6.8747	
600 minute winter	S89	7.002	S90	11.2	0.170	0.157	6.8747	
600 minute winter	S90	7.003	S92	14.9	0.162	0.211	8.6413	
600 minute winter	S92	1.005	S86	59.7	0.377	0.840	4.4095	
600 minute winter	S81	8.000	S82	3.7	0.112	0.052	6.8747	
600 minute winter	S82	8.001	S83	7.4	0.149	0.107	6.8747	
600 minute winter	S83	8.002	S84	11.2	0.159	0.157	6.8747	
600 minute winter	S84	8.003	S86	14.9	0.170	0.210	8.1975	
600 minute winter	S86	1.006	S30	74.6	0.471	1.051	4.4165	
600 minute winter	S76	9.000	S77	3.7	0.114	0.052	6.8747	
600 minute winter	S77	9.001	S78	7.4	0.148	0.104	6.8747	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S78	345	0.264	0.625	11.6	2.0094	0.0000	SURCHARGED
600 minute winter	S79	345	0.264	0.646	15.3	2.0393	0.0000	SURCHARGED
600 minute winter	S30	345	0.262	0.669	90.4	1.7034	0.0000	SURCHARGED
600 minute winter	S31	345	0.229	0.565	4.6	1.8728	0.0000	SURCHARGED
600 minute winter	S32	345	0.229	0.608	7.9	1.8785	0.0000	SURCHARGED
600 minute winter	S33	345	0.229	0.652	99.0	1.6588	0.0000	SURCHARGED
600 minute winter	S34	345	0.188	0.627	101.1	1.1081	0.0000	SURCHARGED
600 minute winter	S35	345	0.124	0.590	101.4	1.0431	0.0000	SURCHARGED
600 minute winter	S36	345	0.103	0.545	1.9	0.9623	0.0000	SURCHARGED
600 minute winter	S37	345	0.103	0.574	109.8	2.8196	0.0000	SURCHARGED
600 minute winter	S38	345	-0.016	0.500	109.7	0.8843	0.0000	SURCHARGED
600 minute winter	S39	345	-0.129	0.433	109.7	0.7659	0.0000	OK
600 minute winter	S56	345	-0.149	0.410	0.3	0.7236	0.0000	OK
600 minute winter	S57	345	-0.149	0.416	109.7	1.0575	0.0000	OK
600 minute winter	S125	345	-0.193	0.362	1.1	0.6394	0.0000	OK
600 minute winter	S127	345	-0.193	0.386	109.6	0.9820	0.0000	OK
600 minute winter	S119	360	-0.245	0.324	0.4	0.5730	0.0000	OK
600 minute winter	S60	360	-0.245	0.348	109.4	0.8863	0.0000	OK
600 minute winter	Pond Inlet 1	690	-0.281	0.329	109.1	0.5811	0.0000	OK
600 minute winter	Pond Outlet	1275	-0.281	0.329	54.6	0.3718	0.0000	SURCHARGED
600 minute winter	S13	1260	-0.281	0.357	0.1	1.2361	0.0000	SURCHARGED
600 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute winter	PP-S26	315	0.529	0.029	1.4	0.8098	0.0000	OK
600 minute winter	PP-S25	315	0.523	0.023	1.2	0.4756	0.0000	OK
600 minute winter	PP-S16	315	0.528	0.028	2.1	0.7352	0.0000	OK
600 minute winter	PP-S145	315	0.527	0.027	2.4	0.7126	0.0000	OK
600 minute winter	PP-S4	315	0.529	0.029	1.9	0.7712	0.0000	OK
600 minute winter	PP-S1	330	0.541	0.041	4.8	11.0713	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S78	9.002	S79	11.2	0.149	0.161	6.8745	
600 minute winter	S79	9.003	S30	15.0	0.174	0.209	7.6907	
600 minute winter	S30	1.007	S33	90.4	0.571	1.270	5.0209	
600 minute winter	S31	10.000	S32	4.0	0.117	0.056	13.6740	
600 minute winter	S32	10.001	S33	7.5	0.123	0.105	13.6740	
600 minute winter	S33	1.008	S34	99.0	0.625	1.403	5.1108	
600 minute winter	S34	1.009	S35	101.1	0.638	1.424	8.5103	
600 minute winter	S35	1.010	S37	101.4	0.640	1.526	1.7947	
600 minute winter	S36	11.000	S37	1.6	-0.042	0.023	9.1184	
600 minute winter	S37	1.011	S38	109.7	0.693	1.553	14.3287	
600 minute winter	S38	1.012	S39	109.7	0.693	1.535	14.2461	
600 minute winter	S39	1.013	S57	109.7	0.708	1.731	1.1541	
600 minute winter	S56	12.011	S57	-0.3	-0.014	-0.004	1.9832	
600 minute winter	S57	1.014	S127	109.6	0.735	1.549	4.1781	
600 minute winter	S125	21.003	S127	-1.1	-0.136	-0.015	6.9370	
600 minute winter	S127	1.015	S60	109.4	0.791	1.535	3.8237	
600 minute winter	S119	22.003	S60	-0.4	-0.061	-0.006	6.2629	
600 minute winter	S60	1.016	Pond Inlet 1	109.1	0.925	1.441	3.6025	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	54.6	0.019	0.001	1741.2174	
600 minute winter	Pond Outlet	1.018	S13	0.1	0.131	0.002	0.4779	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	1.4	0.459	0.036	0.0302	
600 minute winter	PP-S25	2.000_1	S25	1.2	0.576	0.021	0.0104	
600 minute winter	PP-S16	3.000_1	S16	2.1	0.761	0.031	0.0138	
600 minute winter	PP-S145	4.000_2	S145	2.4	0.925	0.028	0.0130	
600 minute winter	PP-S4	1.000_2	S4	1.9	0.656	0.033	0.0144	
600 minute winter	PP-S1	4.000_1	S1	4.5	0.935	0.068	0.0241	

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Results for 30 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP-S5	315	0.531	0.031	2.8	0.9787	0.0000	OK
600 minute winter	PP-S12	330	0.517	0.017	1.0	0.4092	0.0000	OK
600 minute winter	PP-S14	360	0.506	0.006	0.1	0.1608	0.0000	OK
600 minute winter	PP-S2	315	0.520	0.020	1.5	0.9173	0.0000	OK
600 minute winter	PP-S15	315	0.518	0.018	1.2	0.3276	0.0000	OK
600 minute winter	PP-S75	330	0.517	0.017	1.1	0.3374	0.0000	OK
600 minute winter	PP-S24	315	0.526	0.026	2.8	0.8468	0.0000	OK
600 minute winter	PP-S30	315	0.516	0.016	1.1	0.3208	0.0000	OK
600 minute winter	PP-S33	330	0.517	0.017	1.2	0.2788	0.0000	OK
600 minute winter	PP-S34	315	0.523	0.023	2.4	0.7092	0.0000	OK
600 minute winter	PP-S35	315	0.510	0.010	0.4	0.1158	0.0000	OK
600 minute winter	PP-S36	315	0.520	0.020	1.9	0.4376	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP-S5	2.000_2	S5	2.8	0.884	0.038	0.0158	
600 minute winter	PP-S12	8.000_1	S12	1.0	0.751	0.011	0.0067	
600 minute winter	PP-S14	11.000_1	S14	0.1	0.356	0.001	0.0014	
600 minute winter	PP-S2	10.000_1	S2	1.5	0.851	0.016	0.0087	
600 minute winter	PP-S15	12.000_1	S15	1.2	0.814	0.013	0.0074	
600 minute winter	PP-S75	13.000_1	S75	1.1	0.819	0.011	0.0067	
600 minute winter	PP-S24	14.000_1	S92	2.8	1.110	0.027	0.0126	
600 minute winter	PP-S30	18.000_1	S30	1.1	0.889	0.010	0.0062	
600 minute winter	PP-S33	20.000_1	S33	1.2	0.930	0.011	0.0065	
600 minute winter	PP-S34	21.000_1	S34	2.4	1.173	0.020	0.0102	
600 minute winter	PP-S35	22.000_2	S35	0.4	0.714	0.003	0.0028	
600 minute winter	PP-S36	23.000_2	S36	1.9	1.102	0.016	0.0086	

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Results for 30 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S26	405	0.282	0.520	1.6	0.9180	0.0000	SURCHARGED
720 minute summer	S25	405	0.281	0.525	1.3	1.3349	0.0000	SURCHARGED
720 minute summer	S16	405	0.281	0.548	9.1	2.4286	0.0000	SURCHARGED
720 minute summer	S145	405	0.280	0.595	17.2	2.5621	0.0000	SURCHARGED
720 minute summer	S4	405	0.280	0.523	2.2	0.9235	0.0000	SURCHARGED
720 minute summer	S5	405	0.280	0.564	4.6	0.9962	0.0000	SURCHARGED
720 minute summer	S9	405	0.280	0.576	1.8	1.3261	0.0000	SURCHARGED
720 minute summer	S10	405	0.280	0.601	1.3	1.0613	0.0000	SURCHARGED
720 minute summer	S11	405	0.280	0.606	7.0	1.0701	0.0000	SURCHARGED
720 minute summer	S12	405	0.279	0.614	8.3	1.0858	0.0000	SURCHARGED
720 minute summer	S1	405	0.280	0.544	6.4	1.2813	0.0000	SURCHARGED
720 minute summer	S3	405	0.280	0.587	10.2	1.8776	0.0000	SURCHARGED
720 minute summer	S2	405	0.280	0.616	11.4	1.0878	0.0000	SURCHARGED
720 minute summer	S14	405	0.279	0.588	1.3	1.0395	0.0000	SURCHARGED
720 minute summer	S15	405	0.279	0.625	23.7	2.8144	0.0000	SURCHARGED
720 minute summer	S75	405	0.277	0.639	41.5	1.6263	0.0000	SURCHARGED
720 minute summer	S87	405	0.272	0.558	4.9	1.8093	0.0000	SURCHARGED
720 minute summer	S88	405	0.272	0.580	9.1	1.8901	0.0000	SURCHARGED
720 minute summer	S89	405	0.271	0.601	12.6	1.9493	0.0000	SURCHARGED
720 minute summer	S90	405	0.271	0.623	16.0	1.9841	0.0000	SURCHARGED
720 minute summer	S92	405	0.270	0.649	58.4	1.6508	0.0000	SURCHARGED
720 minute summer	S81	405	0.259	0.561	4.9	1.8115	0.0000	SURCHARGED
720 minute summer	S82	405	0.259	0.583	9.1	1.8928	0.0000	SURCHARGED
720 minute summer	S83	405	0.259	0.604	12.7	1.9488	0.0000	SURCHARGED
720 minute summer	S84	405	0.258	0.625	16.2	1.9830	0.0000	SURCHARGED
720 minute summer	S86	405	0.257	0.650	73.0	1.6540	0.0000	SURCHARGED
720 minute summer	S76	405	0.239	0.556	4.9	1.7880	0.0000	SURCHARGED
720 minute summer	S77	405	0.239	0.578	9.1	1.8688	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S26	1.000	S16	1.7	0.047	0.024	9.2005	
720 minute summer	S25	2.000	S16	1.5	0.038	0.021	7.3393	
720 minute summer	S16	1.001	S145	9.3	0.126	0.130	15.0038	
720 minute summer	S145	1.002	S75	17.0	0.168	0.240	15.0038	
720 minute summer	S4	3.000	S5	2.1	0.071	0.030	13.1095	
720 minute summer	S5	3.001	S11	5.2	0.109	0.073	13.1095	
720 minute summer	S9	4.000	S10	1.3	0.111	0.019	8.0648	
720 minute summer	S10	4.001	S11	1.9	0.103	0.025	1.3780	
720 minute summer	S11	3.002	S12	7.8	0.065	0.111	2.8740	
720 minute summer	S12	3.003	S15	8.7	0.062	0.126	3.6838	
720 minute summer	S1	5.000	S3	6.2	0.099	0.088	13.5151	
720 minute summer	S3	5.001	S2	9.9	0.129	0.139	9.1848	
720 minute summer	S2	5.002	S15	11.1	0.084	0.163	3.4165	
720 minute summer	S14	6.000	S15	-1.2	-0.043	-0.017	11.8707	
720 minute summer	S15	3.004	S75	23.6	0.151	0.329	4.9661	
720 minute summer	S75	1.003	S92	41.6	0.263	0.585	5.3380	
720 minute summer	S87	7.000	S88	4.0	0.102	0.056	6.8747	
720 minute summer	S88	7.001	S89	7.5	0.140	0.105	6.8747	
720 minute summer	S89	7.002	S90	11.2	0.155	0.157	6.8747	
720 minute summer	S90	7.003	S92	14.9	0.171	0.212	8.6413	
720 minute summer	S92	1.005	S86	58.6	0.370	0.824	4.4095	
720 minute summer	S81	8.000	S82	4.0	0.101	0.056	6.8747	
720 minute summer	S82	8.001	S83	7.6	0.137	0.109	6.8747	
720 minute summer	S83	8.002	S84	11.3	0.147	0.159	6.8747	
720 minute summer	S84	8.003	S86	15.6	0.187	0.219	8.1975	
720 minute summer	S86	1.006	S30	73.2	0.462	1.031	4.4165	
720 minute summer	S76	9.000	S77	4.0	0.102	0.056	6.8747	
720 minute summer	S77	9.001	S78	7.6	0.137	0.107	6.8747	

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Results for 30 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	405	0.239	0.600	12.7	1.9277	0.0000	SURCHARGED
720 minute summer	S79	405	0.238	0.620	16.5	1.9592	0.0000	SURCHARGED
720 minute summer	S30	405	0.237	0.644	88.5	1.6391	0.0000	SURCHARGED
720 minute summer	S31	405	0.206	0.542	5.3	1.7936	0.0000	SURCHARGED
720 minute summer	S32	405	0.205	0.584	8.5	1.8046	0.0000	SURCHARGED
720 minute summer	S33	405	0.205	0.628	96.8	1.5981	0.0000	SURCHARGED
720 minute summer	S34	405	0.166	0.605	99.0	1.0691	0.0000	SURCHARGED
720 minute summer	S35	405	0.105	0.571	99.4	1.0089	0.0000	SURCHARGED
720 minute summer	S36	405	0.084	0.526	2.1	0.9296	0.0000	SURCHARGED
720 minute summer	S37	405	0.084	0.555	107.2	2.7286	0.0000	SURCHARGED
720 minute summer	S38	405	-0.028	0.488	107.3	0.8623	0.0000	SURCHARGED
720 minute summer	S39	405	-0.135	0.427	107.4	0.7544	0.0000	OK
720 minute summer	S56	405	-0.155	0.404	0.2	0.7130	0.0000	OK
720 minute summer	S57	405	-0.155	0.410	107.4	1.0423	0.0000	OK
720 minute summer	S125	405	-0.198	0.357	1.0	0.6305	0.0000	OK
720 minute summer	S127	405	-0.198	0.381	107.5	0.9691	0.0000	OK
720 minute summer	S119	405	-0.250	0.319	0.5	0.5638	0.0000	OK
720 minute summer	S60	405	-0.250	0.343	107.6	0.8731	0.0000	OK
720 minute summer	Pond Inlet 1	1605	-0.305	0.305	107.6	0.5382	0.0000	OK
720 minute summer	Pond Outlet	1530	-0.306	0.304	53.9	0.3444	0.0000	SURCHARGED
720 minute summer	S13	1620	-0.305	0.333	0.1	1.1520	0.0000	SURCHARGED
720 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute summer	PP-S26	375	0.531	0.031	1.6	0.9077	0.0000	OK
720 minute summer	PP-S25	375	0.524	0.024	1.3	0.5122	0.0000	OK
720 minute summer	PP-S16	375	0.530	0.030	2.4	0.8332	0.0000	OK
720 minute summer	PP-S145	375	0.529	0.029	2.8	0.8229	0.0000	OK
720 minute summer	PP-S4	375	0.531	0.031	2.2	0.8830	0.0000	OK
720 minute summer	PP-S1	390	0.542	0.042	5.5	11.4359	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	S78	9.002	S79	11.6	0.147	0.167	6.8745	
720 minute summer	S79	9.003	S30	15.9	0.185	0.221	7.6907	
720 minute summer	S30	1.007	S33	88.6	0.559	1.245	5.0209	
720 minute summer	S31	10.000	S32	3.9	0.112	0.055	13.6740	
720 minute summer	S32	10.001	S33	7.3	0.140	0.102	13.6740	
720 minute summer	S33	1.008	S34	97.0	0.612	1.374	5.1108	
720 minute summer	S34	1.009	S35	99.1	0.625	1.395	8.5103	
720 minute summer	S35	1.010	S37	99.4	0.628	1.496	1.7947	
720 minute summer	S36	11.000	S37	1.7	-0.048	0.024	9.1184	
720 minute summer	S37	1.011	S38	107.3	0.677	1.519	14.3287	
720 minute summer	S38	1.012	S39	107.4	0.678	1.502	14.1932	
720 minute summer	S39	1.013	S57	107.4	0.700	1.695	1.1441	
720 minute summer	S56	12.011	S57	-0.2	-0.049	-0.003	1.9631	
720 minute summer	S57	1.014	S127	107.5	0.729	1.520	4.1340	
720 minute summer	S125	21.003	S127	-1.0	-0.109	-0.014	6.8525	
720 minute summer	S127	1.015	S60	107.6	0.788	1.510	3.7759	
720 minute summer	S119	22.003	S60	-0.5	-0.093	-0.007	6.1627	
720 minute summer	S60	1.016	Pond Inlet 1	107.6	0.930	1.421	3.4379	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	53.9	0.016	0.001	1605.9596	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.146	0.002	0.4779	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	1.6	0.476	0.041	0.0329	
720 minute summer	PP-S25	2.000_1	S25	1.3	0.590	0.022	0.0110	
720 minute summer	PP-S16	3.000_1	S16	2.4	0.791	0.035	0.0151	
720 minute summer	PP-S145	4.000_2	S145	2.8	0.968	0.033	0.0144	
720 minute summer	PP-S4	1.000_2	S4	2.2	0.684	0.038	0.0160	
720 minute summer	PP-S1	4.000_1	S1	4.7	0.949	0.071	0.0249	

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Results for 30 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP-S5	375	0.533	0.033	3.2	1.1085	0.0000	OK
720 minute summer	PP-S12	375	0.518	0.018	1.2	0.4815	0.0000	OK
720 minute summer	PP-S14	405	0.506	0.006	0.1	0.1574	0.0000	OK
720 minute summer	PP-S2	375	0.522	0.022	1.7	1.0184	0.0000	OK
720 minute summer	PP-S15	375	0.519	0.019	1.3	0.3528	0.0000	OK
720 minute summer	PP-S75	375	0.518	0.018	1.3	0.3928	0.0000	OK
720 minute summer	PP-S24	375	0.528	0.028	3.2	0.9584	0.0000	OK
720 minute summer	PP-S30	375	0.517	0.017	1.2	0.3466	0.0000	OK
720 minute summer	PP-S33	375	0.518	0.018	1.4	0.3205	0.0000	OK
720 minute summer	PP-S34	375	0.524	0.024	2.8	0.8211	0.0000	OK
720 minute summer	PP-S35	375	0.510	0.010	0.4	0.1158	0.0000	OK
720 minute summer	PP-S36	375	0.521	0.021	2.1	0.4795	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	PP-S5	2.000_2	S5	3.2	0.918	0.043	0.0174	
720 minute summer	PP-S12	8.000_1	S12	1.2	0.793	0.013	0.0075	
720 minute summer	PP-S14	11.000_1	S14	0.1	0.353	0.001	0.0014	
720 minute summer	PP-S2	10.000_1	S2	1.7	0.878	0.018	0.0095	
720 minute summer	PP-S15	12.000_1	S15	1.3	0.835	0.014	0.0078	
720 minute summer	PP-S75	13.000_1	S75	1.3	0.862	0.013	0.0075	
720 minute summer	PP-S24	14.000_1	S92	3.2	1.154	0.031	0.0138	
720 minute summer	PP-S30	18.000_1	S30	1.2	0.913	0.011	0.0066	
720 minute summer	PP-S33	20.000_1	S33	1.4	0.975	0.012	0.0072	
720 minute summer	PP-S34	21.000_1	S34	2.8	1.226	0.024	0.0114	
720 minute summer	PP-S35	22.000_2	S35	0.4	0.714	0.003	0.0028	
720 minute summer	PP-S36	23.000_2	S36	2.1	1.133	0.018	0.0093	

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Results for 30 year 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	S26	420	0.101	0.339	1.2	0.5989	0.0000	OK
720 minute winter	S25	420	0.101	0.345	1.0	0.8778	0.0000	OK
720 minute winter	S16	420	0.101	0.368	7.8	1.6313	0.0000	OK
720 minute winter	S145	420	0.100	0.415	15.0	1.7888	0.0000	OK
720 minute winter	S4	420	0.100	0.343	1.6	0.6068	0.0000	OK
720 minute winter	S5	420	0.100	0.384	3.5	0.6792	0.0000	OK
720 minute winter	S9	420	0.100	0.396	1.4	0.9130	0.0000	OK
720 minute winter	S10	420	0.100	0.421	1.2	0.7444	0.0000	OK
720 minute winter	S11	420	0.100	0.426	5.6	0.7532	0.0000	OK
720 minute winter	S12	420	0.100	0.435	6.8	0.7690	0.0000	OK
720 minute winter	S1	420	0.101	0.365	5.3	0.8592	0.0000	OK
720 minute winter	S3	420	0.101	0.408	8.3	1.3037	0.0000	OK
720 minute winter	S2	420	0.100	0.436	9.1	0.7710	0.0000	OK
720 minute winter	S14	420	0.100	0.409	0.6	0.7229	0.0000	OK
720 minute winter	S15	420	0.100	0.446	20.4	2.0079	0.0000	OK
720 minute winter	S75	420	0.099	0.461	36.1	1.1723	0.0000	SURCHARGED
720 minute winter	S87	420	0.095	0.381	3.7	1.2364	0.0000	OK
720 minute winter	S88	420	0.095	0.403	7.1	1.3145	0.0000	OK
720 minute winter	S89	420	0.095	0.425	10.3	1.3772	0.0000	OK
720 minute winter	S90	420	0.095	0.447	13.5	1.4222	0.0000	OK
720 minute winter	S92	420	0.094	0.473	50.1	1.2027	0.0000	SURCHARGED
720 minute winter	S81	420	0.086	0.388	3.7	1.2535	0.0000	OK
720 minute winter	S82	420	0.086	0.410	7.1	1.3317	0.0000	OK
720 minute winter	S83	420	0.086	0.431	10.4	1.3912	0.0000	OK
720 minute winter	S84	420	0.086	0.453	13.5	1.4356	0.0000	SURCHARGED
720 minute winter	S86	420	0.085	0.478	62.3	1.2156	0.0000	SURCHARGED
720 minute winter	S76	420	0.072	0.389	3.7	1.2508	0.0000	OK
720 minute winter	S77	420	0.072	0.411	7.2	1.3288	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S26	1.000	S16	1.2	0.043	0.017	7.7468	
720 minute winter	S25	2.000	S16	1.0	0.038	0.015	6.2329	
720 minute winter	S16	1.001	S145	7.7	0.142	0.108	13.8097	
720 minute winter	S145	1.002	S75	14.7	0.176	0.208	14.7428	
720 minute winter	S4	3.000	S5	1.6	0.082	0.023	11.3360	
720 minute winter	S5	3.001	S11	4.1	0.117	0.057	12.3914	
720 minute winter	S9	4.000	S10	1.2	0.105	0.017	7.6877	
720 minute winter	S10	4.001	S11	1.5	0.028	0.020	1.3461	
720 minute winter	S11	3.002	S12	6.2	0.055	0.088	2.8320	
720 minute winter	S12	3.003	S15	7.0	0.055	0.102	3.6639	
720 minute winter	S1	5.000	S3	4.9	0.103	0.069	12.3110	
720 minute winter	S3	5.001	S2	8.0	0.132	0.113	8.9294	
720 minute winter	S2	5.002	S15	9.2	0.096	0.135	3.3998	
720 minute winter	S14	6.000	S15	-0.6	-0.045	-0.008	11.5972	
720 minute winter	S15	3.004	S75	21.0	0.141	0.293	4.9629	
720 minute winter	S75	1.003	S92	36.5	0.233	0.513	5.3380	
720 minute winter	S87	7.000	S88	3.3	0.108	0.047	6.3545	
720 minute winter	S88	7.001	S89	6.5	0.141	0.091	6.6124	
720 minute winter	S89	7.002	S90	9.8	0.163	0.137	6.7969	
720 minute winter	S90	7.003	S92	13.0	0.145	0.184	8.6361	
720 minute winter	S92	1.005	S86	50.2	0.317	0.706	4.4095	
720 minute winter	S81	8.000	S82	3.3	0.105	0.047	6.4432	
720 minute winter	S82	8.001	S83	6.6	0.140	0.094	6.6771	
720 minute winter	S83	8.002	S84	9.9	0.160	0.139	6.8241	
720 minute winter	S84	8.003	S86	13.2	0.138	0.186	8.1959	
720 minute winter	S86	1.006	S30	62.3	0.393	0.878	4.4165	
720 minute winter	S76	9.000	S77	3.4	0.105	0.047	6.4535	
720 minute winter	S77	9.001	S78	6.7	0.140	0.093	6.6890	

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Results for 30 year 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	S78	420	0.072	0.433	10.4	1.3911	0.0000	OK
720 minute winter	S79	420	0.071	0.453	13.6	1.4324	0.0000	SURCHARGED
720 minute winter	S30	420	0.071	0.478	75.6	1.2154	0.0000	SURCHARGED
720 minute winter	S31	420	0.048	0.384	4.0	1.2723	0.0000	OK
720 minute winter	S32	420	0.048	0.427	7.0	1.3188	0.0000	OK
720 minute winter	S33	420	0.048	0.471	82.8	1.1981	0.0000	SURCHARGED
720 minute winter	S34	420	0.020	0.459	84.6	0.8118	0.0000	SURCHARGED
720 minute winter	S35	420	-0.021	0.445	84.9	0.7869	0.0000	OK
720 minute winter	S36	420	-0.035	0.407	1.6	0.7194	0.0000	OK
720 minute winter	S37	420	-0.035	0.436	91.7	2.1441	0.0000	OK
720 minute winter	S38	420	-0.104	0.412	91.7	0.7282	0.0000	OK
720 minute winter	S39	420	-0.176	0.386	91.7	0.6815	0.0000	OK
720 minute winter	S56	420	-0.194	0.365	0.3	0.6455	0.0000	OK
720 minute winter	S57	420	-0.194	0.371	91.7	0.9450	0.0000	OK
720 minute winter	S125	435	-0.230	0.325	0.3	0.5749	0.0000	OK
720 minute winter	S127	435	-0.230	0.349	91.7	0.8891	0.0000	OK
720 minute winter	S119	1830	-0.272	0.297	0.3	0.5246	0.0000	OK
720 minute winter	S60	1830	-0.272	0.321	91.6	0.8167	0.0000	OK
720 minute winter	Pond Inlet 1	840	-0.272	0.338	91.5	0.5966	0.0000	OK
720 minute winter	Pond Outlet	1605	-0.272	0.338	45.8	0.3818	0.0000	SURCHARGED
720 minute winter	S13	1590	-0.272	0.366	0.2	1.2668	0.0000	SURCHARGED
720 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute winter	PP-S26	375	0.527	0.027	1.2	0.7000	0.0000	OK
720 minute winter	PP-S25	390	0.521	0.021	1.0	0.4020	0.0000	OK
720 minute winter	PP-S16	375	0.526	0.026	1.8	0.6367	0.0000	OK
720 minute winter	PP-S145	375	0.525	0.025	2.1	0.6304	0.0000	OK
720 minute winter	PP-S4	390	0.526	0.026	1.6	0.6572	0.0000	OK
720 minute winter	PP-S1	390	0.538	0.038	4.1	10.0225	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S78	9.002	S79	10.0	0.155	0.144	6.8316	
720 minute winter	S79	9.003	S30	13.4	0.141	0.186	7.6896	
720 minute winter	S30	1.007	S33	75.6	0.477	1.063	5.0209	
720 minute winter	S31	10.000	S32	3.5	0.116	0.049	12.9282	
720 minute winter	S32	10.001	S33	6.4	0.090	0.089	13.5457	
720 minute winter	S33	1.008	S34	82.8	0.523	1.174	5.1108	
720 minute winter	S34	1.009	S35	84.6	0.534	1.191	8.5039	
720 minute winter	S35	1.010	S37	84.9	0.538	1.277	1.7856	
720 minute winter	S36	11.000	S37	1.5	0.043	0.021	8.8604	
720 minute winter	S37	1.011	S38	91.7	0.594	1.298	13.9799	
720 minute winter	S38	1.012	S39	91.7	0.619	1.284	13.4173	
720 minute winter	S39	1.013	S57	91.7	0.646	1.448	1.0608	
720 minute winter	S56	12.011	S57	-0.3	-0.023	-0.004	1.8096	
720 minute winter	S57	1.014	S127	91.7	0.677	1.296	3.8159	
720 minute winter	S125	21.003	S127	-0.3	-0.051	-0.004	6.2840	
720 minute winter	S127	1.015	S60	91.6	0.731	1.286	3.5011	
720 minute winter	S119	22.003	S60	-0.3	-0.023	-0.005	5.7181	
720 minute winter	S60	1.016	Pond Inlet 1	91.5	0.867	1.208	3.7069	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	45.8	0.017	0.001	1791.3845	
720 minute winter	Pond Outlet	1.018	S13	0.2	0.155	0.002	0.4779	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	1.2	0.438	0.031	0.0271	
720 minute winter	PP-S25	2.000_1	S25	1.0	0.547	0.017	0.0091	
720 minute winter	PP-S16	3.000_1	S16	1.8	0.727	0.027	0.0124	
720 minute winter	PP-S145	4.000_2	S145	2.1	0.891	0.025	0.0118	
720 minute winter	PP-S4	1.000_2	S4	1.6	0.624	0.028	0.0128	
720 minute winter	PP-S1	4.000_1	S1	3.9	0.897	0.059	0.0217	

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Results for 30 year 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	PP-S5	375	0.528	0.028	2.4	0.8449	0.0000	OK
720 minute winter	PP-S12	390	0.516	0.016	0.9	0.3721	0.0000	OK
720 minute winter	PP-S14	420	0.506	0.006	0.1	0.1608	0.0000	OK
720 minute winter	PP-S2	375	0.519	0.019	1.3	0.8010	0.0000	OK
720 minute winter	PP-S15	390	0.517	0.017	1.0	0.2776	0.0000	OK
720 minute winter	PP-S75	375	0.516	0.016	1.0	0.3093	0.0000	OK
720 minute winter	PP-S24	375	0.524	0.024	2.4	0.7335	0.0000	OK
720 minute winter	PP-S30	390	0.515	0.015	0.9	0.2687	0.0000	OK
720 minute winter	PP-S33	375	0.516	0.016	1.1	0.2580	0.0000	OK
720 minute winter	PP-S34	375	0.521	0.021	2.1	0.6257	0.0000	OK
720 minute winter	PP-S35	390	0.508	0.008	0.3	0.0897	0.0000	OK
720 minute winter	PP-S36	390	0.519	0.019	1.6	0.3729	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP-S5	2.000_2	S5	2.4	0.844	0.032	0.0142	
720 minute winter	PP-S12	8.000_1	S12	0.9	0.728	0.010	0.0062	
720 minute winter	PP-S14	11.000_1	S14	0.1	0.356	0.001	0.0014	
720 minute winter	PP-S2	10.000_1	S2	1.3	0.815	0.014	0.0079	
720 minute winter	PP-S15	12.000_1	S15	1.0	0.770	0.011	0.0065	
720 minute winter	PP-S75	13.000_1	S75	1.0	0.795	0.010	0.0063	
720 minute winter	PP-S24	14.000_1	S92	2.4	1.061	0.023	0.0113	
720 minute winter	PP-S30	18.000_1	S30	0.9	0.838	0.008	0.0054	
720 minute winter	PP-S33	20.000_1	S33	1.1	0.906	0.010	0.0061	
720 minute winter	PP-S34	21.000_1	S34	2.1	1.128	0.018	0.0093	
720 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
720 minute winter	PP-S36	23.000_2	S36	1.6	1.045	0.013	0.0077	

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Results for 30 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S26	525	0.060	0.298	1.2	0.5265	0.0000	OK
960 minute summer	S25	525	0.060	0.304	1.1	0.7736	0.0000	OK
960 minute summer	S16	525	0.060	0.327	8.1	1.4498	0.0000	OK
960 minute summer	S145	525	0.059	0.374	15.2	1.6124	0.0000	OK
960 minute summer	S4	525	0.059	0.302	1.7	0.5343	0.0000	OK
960 minute summer	S5	525	0.059	0.343	3.5	0.6067	0.0000	OK
960 minute summer	S9	525	0.059	0.355	1.4	0.8185	0.0000	OK
960 minute summer	S10	525	0.059	0.380	1.1	0.6719	0.0000	OK
960 minute summer	S11	525	0.059	0.385	5.3	0.6807	0.0000	OK
960 minute summer	S12	525	0.059	0.394	6.4	0.6965	0.0000	OK
960 minute summer	S1	525	0.060	0.324	5.3	0.7627	0.0000	OK
960 minute summer	S3	525	0.060	0.367	8.3	1.1726	0.0000	OK
960 minute summer	S2	525	0.059	0.395	8.8	0.6985	0.0000	OK
960 minute summer	S14	525	0.059	0.368	0.8	0.6504	0.0000	OK
960 minute summer	S15	525	0.059	0.405	19.5	1.8233	0.0000	OK
960 minute summer	S75	525	0.058	0.420	34.4	1.0685	0.0000	OK
960 minute summer	S87	525	0.055	0.341	3.9	1.1065	0.0000	OK
960 minute summer	S88	525	0.055	0.363	7.4	1.1839	0.0000	OK
960 minute summer	S89	525	0.055	0.385	10.5	1.2474	0.0000	OK
960 minute summer	S90	525	0.055	0.407	13.6	1.2948	0.0000	OK
960 minute summer	S92	525	0.054	0.433	48.0	1.1015	0.0000	OK
960 minute summer	S81	525	0.048	0.350	3.9	1.1296	0.0000	OK
960 minute summer	S82	525	0.048	0.372	7.4	1.2072	0.0000	OK
960 minute summer	S83	525	0.048	0.393	10.6	1.2674	0.0000	OK
960 minute summer	S84	525	0.047	0.414	13.7	1.3141	0.0000	OK
960 minute summer	S86	525	0.047	0.440	59.6	1.1187	0.0000	OK
960 minute summer	S76	525	0.036	0.353	3.9	1.1355	0.0000	OK
960 minute summer	S77	525	0.036	0.375	7.4	1.2129	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S26	1.000	S16	1.1	0.047	0.015	6.8171	
960 minute summer	S25	2.000	S16	0.9	0.038	0.013	5.4968	
960 minute summer	S16	1.001	S145	7.2	0.126	0.101	12.5171	
960 minute summer	S145	1.002	S75	13.9	0.149	0.197	13.9628	
960 minute summer	S4	3.000	S5	1.5	0.079	0.022	10.0557	
960 minute summer	S5	3.001	S11	3.9	0.115	0.055	11.3469	
960 minute summer	S9	4.000	S10	1.1	0.082	0.016	7.0525	
960 minute summer	S10	4.001	S11	1.4	0.051	0.019	1.2496	
960 minute summer	S11	3.002	S12	5.9	0.052	0.084	2.6455	
960 minute summer	S12	3.003	S15	6.7	0.056	0.097	3.4585	
960 minute summer	S1	5.000	S3	4.9	0.101	0.069	11.1082	
960 minute summer	S3	5.001	S2	7.7	0.113	0.109	8.2855	
960 minute summer	S2	5.002	S15	8.9	0.068	0.130	3.2113	
960 minute summer	S14	6.000	S15	-0.7	-0.027	-0.010	10.8302	
960 minute summer	S15	3.004	S75	19.9	0.142	0.278	4.7678	
960 minute summer	S75	1.003	S92	34.7	0.230	0.488	5.2292	
960 minute summer	S87	7.000	S88	3.4	0.097	0.048	5.7696	
960 minute summer	S88	7.001	S89	6.5	0.131	0.092	6.1048	
960 minute summer	S89	7.002	S90	9.7	0.153	0.136	6.4011	
960 minute summer	S90	7.003	S92	12.8	0.152	0.182	8.3770	
960 minute summer	S92	1.005	S86	48.2	0.308	0.678	4.3693	
960 minute summer	S81	8.000	S82	3.4	0.096	0.048	5.9073	
960 minute summer	S82	8.001	S83	6.6	0.130	0.094	6.2220	
960 minute summer	S83	8.002	S84	9.8	0.145	0.137	6.4949	
960 minute summer	S84	8.003	S86	12.9	0.164	0.182	8.0231	
960 minute summer	S86	1.006	S30	59.7	0.380	0.841	4.3942	
960 minute summer	S76	9.000	S77	3.4	0.096	0.048	5.9594	
960 minute summer	S77	9.001	S78	6.6	0.129	0.093	6.2753	

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Results for 30 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S78	525	0.036	0.397	10.6	1.2760	0.0000	OK
960 minute summer	S79	525	0.036	0.418	13.8	1.3194	0.0000	OK
960 minute summer	S30	525	0.035	0.442	72.4	1.1249	0.0000	OK
960 minute summer	S31	525	0.017	0.353	4.2	1.1675	0.0000	OK
960 minute summer	S32	525	0.016	0.395	7.1	1.2211	0.0000	OK
960 minute summer	S33	525	0.016	0.439	79.3	1.1177	0.0000	OK
960 minute summer	S34	525	-0.006	0.433	81.0	0.7644	0.0000	OK
960 minute summer	S35	525	-0.041	0.425	81.3	0.7511	0.0000	OK
960 minute summer	S36	525	-0.054	0.388	1.7	0.6853	0.0000	OK
960 minute summer	S37	525	-0.054	0.417	88.0	2.0492	0.0000	OK
960 minute summer	S38	525	-0.119	0.397	88.0	0.7015	0.0000	OK
960 minute summer	S39	525	-0.189	0.373	88.0	0.6594	0.0000	OK
960 minute summer	S56	525	-0.206	0.353	0.2	0.6240	0.0000	OK
960 minute summer	S57	525	-0.206	0.359	87.9	0.9140	0.0000	OK
960 minute summer	S125	540	-0.241	0.314	0.3	0.5543	0.0000	OK
960 minute summer	S127	540	-0.241	0.338	87.9	0.8594	0.0000	OK
960 minute summer	S119	540	-0.285	0.284	0.3	0.5026	0.0000	OK
960 minute summer	S60	540	-0.285	0.308	87.8	0.7849	0.0000	OK
960 minute summer	Pond Inlet 1	1020	-0.293	0.317	87.6	0.5605	0.0000	OK
960 minute summer	Pond Outlet	2145	-0.293	0.317	43.9	0.3587	0.0000	SURCHARGED
960 minute summer	S13	1215	-0.293	0.345	0.1	1.1960	0.0000	SURCHARGED
960 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute summer	PP-S26	495	0.527	0.027	1.2	0.6978	0.0000	OK
960 minute summer	PP-S25	495	0.522	0.022	1.1	0.4366	0.0000	OK
960 minute summer	PP-S16	495	0.526	0.026	1.9	0.6686	0.0000	OK
960 minute summer	PP-S145	495	0.526	0.026	2.2	0.6570	0.0000	OK
960 minute summer	PP-S4	495	0.527	0.027	1.7	0.6923	0.0000	OK
960 minute summer	PP-S1	510	0.538	0.038	4.4	10.0202	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S78	9.002	S79	9.9	0.135	0.142	6.5404	
960 minute summer	S79	9.003	S30	13.1	0.162	0.182	7.5535	
960 minute summer	S30	1.007	S33	72.4	0.459	1.017	4.9948	
960 minute summer	S31	10.000	S32	3.4	0.110	0.048	12.1173	
960 minute summer	S32	10.001	S33	6.0	0.122	0.085	13.1626	
960 minute summer	S33	1.008	S34	79.2	0.505	1.123	5.0628	
960 minute summer	S34	1.009	S35	81.0	0.520	1.140	8.3669	
960 minute summer	S35	1.010	S37	81.3	0.527	1.223	1.7463	
960 minute summer	S36	11.000	S37	1.4	-0.033	0.020	8.5908	
960 minute summer	S37	1.011	S38	88.0	0.584	1.246	13.6237	
960 minute summer	S38	1.012	S39	88.0	0.609	1.231	13.0481	
960 minute summer	S39	1.013	S57	87.9	0.637	1.388	1.0296	
960 minute summer	S56	12.011	S57	-0.2	-0.016	-0.003	1.7532	
960 minute summer	S57	1.014	S127	87.9	0.668	1.243	3.6939	
960 minute summer	S125	21.003	S127	-0.3	-0.088	-0.005	6.0568	
960 minute summer	S127	1.015	S60	87.8	0.723	1.232	3.3699	
960 minute summer	S119	22.003	S60	-0.3	-0.017	-0.004	5.4598	
960 minute summer	S60	1.016	Pond Inlet 1	87.6	0.862	1.157	3.4587	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	43.9	0.014	0.001	1676.5120	
960 minute summer	Pond Outlet	1.018	S13	0.1	0.142	0.002	0.4779	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	1.2	0.438	0.031	0.0271	
960 minute summer	PP-S25	2.000_1	S25	1.1	0.561	0.019	0.0097	
960 minute summer	PP-S16	3.000_1	S16	1.9	0.739	0.028	0.0128	
960 minute summer	PP-S145	4.000_2	S145	2.2	0.902	0.026	0.0122	
960 minute summer	PP-S4	1.000_2	S4	1.7	0.635	0.030	0.0133	
960 minute summer	PP-S1	4.000_1	S1	3.9	0.897	0.059	0.0217	

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Results for 30 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP-S5	495	0.530	0.030	2.6	0.9104	0.0000	OK
960 minute summer	PP-S12	495	0.516	0.016	0.9	0.3707	0.0000	OK
960 minute summer	PP-S14	525	0.506	0.006	0.1	0.1574	0.0000	OK
960 minute summer	PP-S2	495	0.520	0.020	1.4	0.8507	0.0000	OK
960 minute summer	PP-S15	495	0.517	0.017	1.1	0.3022	0.0000	OK
960 minute summer	PP-S75	495	0.516	0.016	1.0	0.3093	0.0000	OK
960 minute summer	PP-S24	495	0.525	0.025	2.6	0.7904	0.0000	OK
960 minute summer	PP-S30	495	0.515	0.015	1.0	0.2949	0.0000	OK
960 minute summer	PP-S33	495	0.516	0.016	1.1	0.2580	0.0000	OK
960 minute summer	PP-S34	495	0.522	0.022	2.2	0.6527	0.0000	OK
960 minute summer	PP-S35	525	0.508	0.008	0.3	0.0897	0.0000	OK
960 minute summer	PP-S36	495	0.519	0.019	1.7	0.3944	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP-S5	2.000_2	S5	2.6	0.864	0.035	0.0150	
960 minute summer	PP-S12	8.000_1	S12	0.9	0.727	0.010	0.0062	
960 minute summer	PP-S14	11.000_1	S14	0.1	0.353	0.001	0.0014	
960 minute summer	PP-S2	10.000_1	S2	1.4	0.831	0.015	0.0083	
960 minute summer	PP-S15	12.000_1	S15	1.1	0.792	0.012	0.0069	
960 minute summer	PP-S75	13.000_1	S75	1.0	0.795	0.010	0.0063	
960 minute summer	PP-S24	14.000_1	S92	2.6	1.087	0.025	0.0120	
960 minute summer	PP-S30	18.000_1	S30	1.0	0.864	0.009	0.0058	
960 minute summer	PP-S33	20.000_1	S33	1.1	0.906	0.010	0.0061	
960 minute summer	PP-S34	21.000_1	S34	2.2	1.143	0.019	0.0096	
960 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
960 minute summer	PP-S36	23.000_2	S36	1.7	1.065	0.014	0.0080	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	S26	540	0.001	0.239	0.9	0.4216	0.0000	OK
960 minute winter	S25	540	0.001	0.245	0.8	0.6225	0.0000	OK
960 minute winter	S16	540	0.001	0.268	6.4	1.1864	0.0000	OK
960 minute winter	S145	540	0.000	0.315	12.6	1.3563	0.0000	OK
960 minute winter	S4	540	0.000	0.243	1.3	0.4290	0.0000	OK
960 minute winter	S5	540	0.000	0.284	3.0	0.5014	0.0000	OK
960 minute winter	S9	540	0.000	0.296	1.1	0.6812	0.0000	OK
960 minute winter	S10	540	0.000	0.321	1.0	0.5666	0.0000	OK
960 minute winter	S11	540	0.000	0.326	4.2	0.5754	0.0000	OK
960 minute winter	S12	540	0.000	0.335	5.0	0.5912	0.0000	OK
960 minute winter	S1	540	0.000	0.264	4.2	0.6225	0.0000	OK
960 minute winter	S3	540	0.000	0.307	6.8	0.9821	0.0000	OK
960 minute winter	S2	540	0.000	0.336	7.7	0.5932	0.0000	OK
960 minute winter	S14	540	0.000	0.309	0.4	0.5452	0.0000	OK
960 minute winter	S15	540	0.000	0.346	16.7	1.5552	0.0000	OK
960 minute winter	S75	540	-0.002	0.360	29.6	0.9171	0.0000	OK
960 minute winter	S87	540	-0.004	0.282	2.9	0.9149	0.0000	OK
960 minute winter	S88	540	-0.004	0.304	5.7	0.9913	0.0000	OK
960 minute winter	S89	540	-0.004	0.326	8.4	1.0559	0.0000	OK
960 minute winter	S90	540	-0.005	0.347	11.0	1.1065	0.0000	OK
960 minute winter	S92	540	-0.005	0.374	41.7	0.9512	0.0000	OK
960 minute winter	S81	540	-0.010	0.292	2.9	0.9421	0.0000	OK
960 minute winter	S82	540	-0.010	0.314	5.7	1.0186	0.0000	OK
960 minute winter	S83	540	-0.010	0.335	8.4	1.0798	0.0000	OK
960 minute winter	S84	540	-0.011	0.356	11.0	1.1298	0.0000	OK
960 minute winter	S86	540	-0.011	0.382	52.3	0.9710	0.0000	OK
960 minute winter	S76	540	-0.020	0.297	2.9	0.9551	0.0000	OK
960 minute winter	S77	540	-0.020	0.319	5.7	1.0314	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	S26	1.000	S16	0.9	0.047	0.012	5.3292	
960 minute winter	S25	2.000	S16	0.8	0.036	0.011	4.3132	
960 minute winter	S16	1.001	S145	6.2	0.128	0.087	10.2626	
960 minute winter	S145	1.002	S75	12.3	0.156	0.174	12.0547	
960 minute winter	S4	3.000	S5	1.2	0.076	0.018	7.9643	
960 minute winter	S5	3.001	S11	3.1	0.107	0.043	9.4390	
960 minute winter	S9	4.000	S10	1.0	0.089	0.014	5.8856	
960 minute winter	S10	4.001	S11	1.1	0.081	0.015	1.0597	
960 minute winter	S11	3.002	S12	4.5	0.048	0.064	2.2608	
960 minute winter	S12	3.003	S15	5.2	0.050	0.075	2.9880	
960 minute winter	S1	5.000	S3	4.1	0.101	0.058	9.0434	
960 minute winter	S3	5.001	S2	6.7	0.115	0.094	7.0173	
960 minute winter	S2	5.002	S15	7.6	0.077	0.112	2.7760	
960 minute winter	S14	6.000	S15	-0.4	-0.031	-0.005	9.2329	
960 minute winter	S15	3.004	S75	16.8	0.134	0.235	4.1796	
960 minute winter	S75	1.003	S92	29.8	0.219	0.419	4.6628	
960 minute winter	S87	7.000	S88	2.7	0.104	0.038	4.7399	
960 minute winter	S88	7.001	S89	5.4	0.134	0.076	5.1384	
960 minute winter	S89	7.002	S90	8.1	0.144	0.114	5.5159	
960 minute winter	S90	7.003	S92	10.7	0.130	0.152	7.4192	
960 minute winter	S92	1.005	S86	41.7	0.295	0.587	3.9522	
960 minute winter	S81	8.000	S82	2.7	0.102	0.038	4.9187	
960 minute winter	S82	8.001	S83	5.4	0.129	0.078	5.3014	
960 minute winter	S83	8.002	S84	8.1	0.133	0.114	5.6613	
960 minute winter	S84	8.003	S86	10.8	0.131	0.151	7.1883	
960 minute winter	S86	1.006	S30	52.3	0.363	0.736	4.0138	
960 minute winter	S76	9.000	S77	2.7	0.101	0.038	5.0155	
960 minute winter	S77	9.001	S78	5.4	0.128	0.076	5.4020	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	S78	540	-0.020	0.341	8.4	1.0955	0.0000	OK
960 minute winter	S79	540	-0.020	0.362	11.1	1.1420	0.0000	OK
960 minute winter	S30	540	-0.021	0.386	63.5	0.9822	0.0000	OK
960 minute winter	S31	540	-0.036	0.300	3.1	0.9928	0.0000	OK
960 minute winter	S32	540	-0.036	0.343	5.6	1.0582	0.0000	OK
960 minute winter	S33	540	-0.037	0.386	69.6	0.9835	0.0000	OK
960 minute winter	S34	540	-0.056	0.383	71.1	0.6773	0.0000	OK
960 minute winter	S35	540	-0.085	0.381	71.3	0.6733	0.0000	OK
960 minute winter	S36	540	-0.097	0.345	1.3	0.6101	0.0000	OK
960 minute winter	S37	540	-0.097	0.374	77.1	1.8400	0.0000	OK
960 minute winter	S38	540	-0.154	0.362	77.1	0.6403	0.0000	OK
960 minute winter	S39	555	-0.215	0.347	77.0	0.6131	0.0000	OK
960 minute winter	S56	555	-0.230	0.329	0.1	0.5816	0.0000	OK
960 minute winter	S57	555	-0.230	0.335	77.0	0.8529	0.0000	OK
960 minute winter	S125	1275	-0.261	0.294	0.7	0.5201	0.0000	OK
960 minute winter	S127	1305	-0.261	0.318	77.0	0.8100	0.0000	OK
960 minute winter	S119	1170	-0.261	0.308	0.4	0.5448	0.0000	OK
960 minute winter	S60	1305	-0.261	0.332	76.9	0.8456	0.0000	OK
960 minute winter	Pond Inlet 1	1050	-0.261	0.349	76.7	0.6168	0.0000	OK
960 minute winter	Pond Outlet	1710	-0.261	0.349	38.4	0.3948	0.0000	SURCHARGED
960 minute winter	S13	1710	-0.261	0.377	0.1	1.3065	0.0000	SURCHARGED
960 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute winter	PP-S26	525	0.524	0.024	0.9	0.5405	0.0000	OK
960 minute winter	PP-S25	510	0.519	0.019	0.8	0.3266	0.0000	OK
960 minute winter	PP-S16	510	0.523	0.023	1.4	0.5029	0.0000	OK
960 minute winter	PP-S145	510	0.522	0.022	1.6	0.4876	0.0000	OK
960 minute winter	PP-S4	510	0.524	0.024	1.3	0.5411	0.0000	OK
960 minute winter	PP-S1	525	0.534	0.034	3.3	8.6544	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	S78	9.002	S79	8.2	0.134	0.117	5.7557	
960 minute winter	S79	9.003	S30	10.8	0.124	0.150	6.8243	
960 minute winter	S30	1.007	S33	63.5	0.439	0.892	4.5881	
960 minute winter	S31	10.000	S32	2.9	0.110	0.041	10.4287	
960 minute winter	S32	10.001	S33	5.4	0.096	0.075	11.8403	
960 minute winter	S33	1.008	S34	69.6	0.482	0.986	4.6566	
960 minute winter	S34	1.009	S35	71.1	0.495	1.000	7.7076	
960 minute winter	S35	1.010	S37	71.3	0.502	1.072	1.6087	
960 minute winter	S36	11.000	S37	1.2	0.030	0.016	7.8112	
960 minute winter	S37	1.011	S38	77.1	0.556	1.091	12.5573	
960 minute winter	S38	1.012	S39	77.0	0.576	1.078	12.1117	
960 minute winter	S39	1.013	S57	77.0	0.600	1.215	0.9610	
960 minute winter	S56	12.011	S57	-0.1	-0.089	-0.002	1.6344	
960 minute winter	S57	1.014	S127	77.0	0.629	1.088	3.4590	
960 minute winter	S125	21.003	S127	-0.7	-0.087	-0.011	5.6651	
960 minute winter	S127	1.015	S60	76.9	0.679	1.079	3.3968	
960 minute winter	S119	22.003	S60	-0.4	-0.096	-0.005	5.9491	
960 minute winter	S60	1.016	Pond Inlet 1	76.7	0.800	1.013	3.8405	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	38.4	0.015	0.001	1856.0570	
960 minute winter	Pond Outlet	1.018	S13	0.1	0.140	0.001	0.4779	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	0.9	0.405	0.023	0.0222	
960 minute winter	PP-S25	2.000_1	S25	0.8	0.512	0.014	0.0078	
960 minute winter	PP-S16	3.000_1	S16	1.4	0.676	0.021	0.0104	
960 minute winter	PP-S145	4.000_2	S145	1.6	0.822	0.019	0.0097	
960 minute winter	PP-S4	1.000_2	S4	1.3	0.587	0.023	0.0111	
960 minute winter	PP-S1	4.000_1	S1	3.1	0.846	0.047	0.0186	

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Results for 30 year 960 minute winter. 2400 minute analysis at 15 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
960 minute winter	PP-S5	510	0.525	0.025	1.9	0.6808	0.0000	OK
960 minute winter	PP-S12	525	0.514	0.014	0.7	0.2962	0.0000	OK
960 minute winter	PP-S14	15	0.500	0.000	0.0	0.0000	0.0000	OK
960 minute winter	PP-S2	525	0.517	0.017	1.0	0.6324	0.0000	OK
960 minute winter	PP-S15	510	0.515	0.015	0.8	0.2283	0.0000	OK
960 minute winter	PP-S75	510	0.515	0.015	0.8	0.2542	0.0000	OK
960 minute winter	PP-S24	510	0.522	0.022	1.9	0.5884	0.0000	OK
960 minute winter	PP-S30	525	0.513	0.013	0.7	0.2113	0.0000	OK
960 minute winter	PP-S33	510	0.514	0.014	0.8	0.1929	0.0000	OK
960 minute winter	PP-S34	510	0.519	0.019	1.6	0.4866	0.0000	OK
960 minute winter	PP-S35	450	0.507	0.007	0.2	0.0626	0.0000	OK
960 minute winter	PP-S36	495	0.517	0.017	1.3	0.3086	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	PP-S5	2.000_2	S5	1.9	0.789	0.026	0.0120	
960 minute winter	PP-S12	8.000_1	S12	0.7	0.675	0.008	0.0052	
960 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
960 minute winter	PP-S2	10.000_1	S2	1.0	0.753	0.011	0.0066	
960 minute winter	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
960 minute winter	PP-S75	13.000_1	S75	0.8	0.744	0.008	0.0054	
960 minute winter	PP-S24	14.000_1	S92	1.9	0.992	0.019	0.0096	
960 minute winter	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
960 minute winter	PP-S33	20.000_1	S33	0.8	0.822	0.007	0.0049	
960 minute winter	PP-S34	21.000_1	S34	1.6	1.040	0.014	0.0077	
960 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
960 minute winter	PP-S36	23.000_2	S36	1.3	0.980	0.011	0.0066	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S26	780	-0.036	0.202	0.9	0.3571	0.0000	OK
1440 minute summer	S25	780	-0.036	0.208	0.7	0.5296	0.0000	OK
1440 minute summer	S16	780	-0.036	0.231	5.9	1.0246	0.0000	OK
1440 minute summer	S145	780	-0.037	0.278	11.5	1.1986	0.0000	OK
1440 minute summer	S4	780	-0.037	0.206	1.2	0.3643	0.0000	OK
1440 minute summer	S5	780	-0.037	0.247	2.7	0.4367	0.0000	OK
1440 minute summer	S9	780	-0.037	0.259	1.0	0.5968	0.0000	OK
1440 minute summer	S10	780	-0.037	0.284	0.8	0.5018	0.0000	OK
1440 minute summer	S11	780	-0.037	0.289	3.7	0.5107	0.0000	OK
1440 minute summer	S12	780	-0.037	0.298	4.4	0.5265	0.0000	OK
1440 minute summer	S1	780	-0.036	0.228	3.8	0.5363	0.0000	OK
1440 minute summer	S3	780	-0.037	0.270	6.2	0.8649	0.0000	OK
1440 minute summer	S2	780	-0.037	0.299	6.8	0.5284	0.0000	OK
1440 minute summer	S14	780	-0.037	0.272	0.4	0.4804	0.0000	OK
1440 minute summer	S15	780	-0.037	0.309	14.6	1.3901	0.0000	OK
1440 minute summer	S75	780	-0.038	0.324	26.2	0.8237	0.0000	OK
1440 minute summer	S87	780	-0.041	0.245	2.7	0.7959	0.0000	OK
1440 minute summer	S88	780	-0.041	0.267	5.3	0.8716	0.0000	OK
1440 minute summer	S89	780	-0.041	0.289	7.8	0.9369	0.0000	OK
1440 minute summer	S90	780	-0.041	0.311	10.2	0.9897	0.0000	OK
1440 minute summer	S92	780	-0.042	0.337	37.2	0.8579	0.0000	OK
1440 minute summer	S81	780	-0.047	0.255	2.7	0.8242	0.0000	OK
1440 minute summer	S82	780	-0.047	0.277	5.3	0.9001	0.0000	OK
1440 minute summer	S83	780	-0.047	0.298	7.8	0.9620	0.0000	OK
1440 minute summer	S84	780	-0.047	0.320	10.2	1.0141	0.0000	OK
1440 minute summer	S86	780	-0.048	0.345	46.5	0.8783	0.0000	OK
1440 minute summer	S76	780	-0.056	0.261	2.7	0.8393	0.0000	OK
1440 minute summer	S77	780	-0.056	0.283	5.3	0.9150	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S26	1.000	S16	0.8	0.046	0.011	4.3820	
1440 minute summer	S25	2.000	S16	0.7	0.041	0.009	3.5575	
1440 minute summer	S16	1.001	S145	5.5	0.121	0.078	8.7552	
1440 minute summer	S145	1.002	S75	10.9	0.131	0.155	10.6536	
1440 minute summer	S4	3.000	S5	1.1	0.078	0.015	6.6170	
1440 minute summer	S5	3.001	S11	2.7	0.109	0.038	8.1378	
1440 minute summer	S9	4.000	S10	0.8	0.086	0.012	5.0858	
1440 minute summer	S10	4.001	S11	1.0	0.063	0.013	0.9260	
1440 minute summer	S11	3.002	S12	4.0	0.065	0.057	1.9857	
1440 minute summer	S12	3.003	S15	4.6	0.050	0.066	2.6431	
1440 minute summer	S1	5.000	S3	3.7	0.103	0.051	7.6746	
1440 minute summer	S3	5.001	S2	5.9	0.104	0.083	6.1256	
1440 minute summer	S2	5.002	S15	6.8	0.081	0.100	2.4564	
1440 minute summer	S14	6.000	S15	-0.4	-0.012	-0.006	8.0945	
1440 minute summer	S15	3.004	S75	14.7	0.134	0.206	3.7303	
1440 minute summer	S75	1.003	S92	26.3	0.217	0.369	4.2017	
1440 minute summer	S87	7.000	S88	2.5	0.092	0.035	4.0449	
1440 minute summer	S88	7.001	S89	5.0	0.119	0.070	4.4624	
1440 minute summer	S89	7.002	S90	7.5	0.142	0.105	4.8672	
1440 minute summer	S90	7.003	S92	9.8	0.114	0.139	6.6575	
1440 minute summer	S92	1.005	S86	37.2	0.289	0.524	3.5879	
1440 minute summer	S81	8.000	S82	2.5	0.086	0.035	4.2352	
1440 minute summer	S82	8.001	S83	5.0	0.112	0.072	4.6399	
1440 minute summer	S83	8.002	S84	7.5	0.140	0.105	5.0302	
1440 minute summer	S84	8.003	S86	9.8	0.105	0.138	6.4908	
1440 minute summer	S86	1.006	S30	46.6	0.355	0.656	3.6620	
1440 minute summer	S76	9.000	S77	2.5	0.087	0.035	4.3456	
1440 minute summer	S77	9.001	S78	5.0	0.112	0.070	4.7571	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	S78	780	-0.056	0.305	7.8	0.9798	0.0000	OK
1440 minute summer	S79	780	-0.056	0.326	10.2	1.0283	0.0000	OK
1440 minute summer	S30	780	-0.057	0.350	56.5	0.8907	0.0000	OK
1440 minute summer	S31	780	-0.071	0.265	2.9	0.8767	0.0000	OK
1440 minute summer	S32	780	-0.071	0.308	5.2	0.9499	0.0000	OK
1440 minute summer	S33	780	-0.072	0.351	61.9	0.8943	0.0000	OK
1440 minute summer	S34	780	-0.090	0.349	63.3	0.6175	0.0000	OK
1440 minute summer	S35	780	-0.117	0.349	63.5	0.6170	0.0000	OK
1440 minute summer	S36	780	-0.128	0.314	1.2	0.5551	0.0000	OK
1440 minute summer	S37	780	-0.128	0.343	68.6	1.6868	0.0000	OK
1440 minute summer	S38	780	-0.181	0.335	68.7	0.5914	0.0000	OK
1440 minute summer	S39	780	-0.239	0.323	68.7	0.5706	0.0000	OK
1440 minute summer	S56	780	-0.253	0.306	0.1	0.5404	0.0000	OK
1440 minute summer	S57	780	-0.253	0.312	68.7	0.7936	0.0000	OK
1440 minute summer	S125	2040	-0.276	0.279	0.3	0.4936	0.0000	OK
1440 minute summer	S127	2190	-0.276	0.303	68.6	0.7718	0.0000	OK
1440 minute summer	S119	2190	-0.276	0.293	0.5	0.5182	0.0000	OK
1440 minute summer	S60	2340	-0.276	0.317	68.6	0.8074	0.0000	OK
1440 minute summer	Pond Inlet 1	2550	-0.276	0.334	68.4	0.5903	0.0000	OK
1440 minute summer	Pond Outlet	1860	-0.276	0.334	34.3	0.3778	0.0000	SURCHARGED
1440 minute summer	S13	2250	-0.276	0.362	0.1	1.2546	0.0000	SURCHARGED
1440 minute summer	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	PP-S26	750	0.524	0.024	0.9	0.5388	0.0000	OK
1440 minute summer	PP-S25	750	0.518	0.018	0.7	0.2885	0.0000	OK
1440 minute summer	PP-S16	750	0.522	0.022	1.3	0.4691	0.0000	OK
1440 minute summer	PP-S145	750	0.521	0.021	1.5	0.4595	0.0000	OK
1440 minute summer	PP-S4	750	0.523	0.023	1.2	0.5012	0.0000	OK
1440 minute summer	PP-S1	750	0.532	0.032	3.0	7.8623	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S78	9.002	S79	7.5	0.138	0.107	5.1439	
1440 minute summer	S79	9.003	S30	9.9	0.090	0.137	6.1911	
1440 minute summer	S30	1.007	S33	56.6	0.427	0.795	4.2004	
1440 minute summer	S31	10.000	S32	2.6	0.097	0.037	9.1664	
1440 minute summer	S32	10.001	S33	4.6	0.073	0.065	10.7138	
1440 minute summer	S33	1.008	S34	61.9	0.468	0.878	4.2725	
1440 minute summer	S34	1.009	S35	63.3	0.479	0.891	7.0925	
1440 minute summer	S35	1.010	S37	63.5	0.485	0.955	1.4821	
1440 minute summer	S36	11.000	S37	1.0	0.030	0.015	7.1326	
1440 minute summer	S37	1.011	S38	68.7	0.536	0.972	11.5819	
1440 minute summer	S38	1.012	S39	68.7	0.553	0.961	11.2219	
1440 minute summer	S39	1.013	S57	68.7	0.575	1.083	0.8908	
1440 minute summer	S56	12.011	S57	-0.1	-0.005	-0.001	1.5110	
1440 minute summer	S57	1.014	S127	68.6	0.603	0.970	3.1959	
1440 minute summer	S125	21.003	S127	-0.3	-0.033	-0.004	5.3522	
1440 minute summer	S127	1.015	S60	68.6	0.650	0.962	3.2271	
1440 minute summer	S119	22.003	S60	-0.5	-0.095	-0.008	5.6434	
1440 minute summer	S60	1.016	Pond Inlet 1	68.4	0.765	0.904	3.6650	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	34.3	0.013	0.001	1771.3746	
1440 minute summer	Pond Outlet	1.018	S13	0.1	0.119	0.002	0.4779	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	0.9	0.405	0.023	0.0222	
1440 minute summer	PP-S25	2.000_1	S25	0.7	0.491	0.012	0.0071	
1440 minute summer	PP-S16	3.000_1	S16	1.3	0.661	0.019	0.0098	
1440 minute summer	PP-S145	4.000_2	S145	1.5	0.807	0.018	0.0093	
1440 minute summer	PP-S4	1.000_2	S4	1.2	0.574	0.021	0.0105	
1440 minute summer	PP-S1	4.000_1	S1	2.7	0.813	0.041	0.0169	

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Results for 30 year 1440 minute summer. 2880 minute analysis at 30 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
1440 minute summer	PP-S5	750	0.525	0.025	1.8	0.6478	0.0000	OK
1440 minute summer	PP-S12	750	0.514	0.014	0.7	0.2960	0.0000	OK
1440 minute summer	PP-S14	30	0.500	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	PP-S2	750	0.517	0.017	1.0	0.6308	0.0000	OK
1440 minute summer	PP-S15	750	0.514	0.014	0.7	0.2013	0.0000	OK
1440 minute summer	PP-S75	750	0.514	0.014	0.7	0.2235	0.0000	OK
1440 minute summer	PP-S24	750	0.521	0.021	1.8	0.5598	0.0000	OK
1440 minute summer	PP-S30	750	0.513	0.013	0.7	0.2113	0.0000	OK
1440 minute summer	PP-S33	750	0.514	0.014	0.8	0.1929	0.0000	OK
1440 minute summer	PP-S34	750	0.518	0.018	1.5	0.4584	0.0000	OK
1440 minute summer	PP-S35	750	0.507	0.007	0.2	0.0626	0.0000	OK
1440 minute summer	PP-S36	750	0.516	0.016	1.2	0.2876	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP-S5	2.000_2	S5	1.8	0.777	0.024	0.0116	
1440 minute summer	PP-S12	8.000_1	S12	0.7	0.674	0.008	0.0052	
1440 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
1440 minute summer	PP-S2	10.000_1	S2	1.0	0.752	0.011	0.0066	
1440 minute summer	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
1440 minute summer	PP-S75	13.000_1	S75	0.7	0.714	0.007	0.0049	
1440 minute summer	PP-S24	14.000_1	S92	1.8	0.976	0.018	0.0092	
1440 minute summer	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
1440 minute summer	PP-S33	20.000_1	S33	0.8	0.822	0.007	0.0049	
1440 minute summer	PP-S34	21.000_1	S34	1.5	1.020	0.013	0.0074	
1440 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
1440 minute summer	PP-S36	23.000_2	S36	1.2	0.956	0.010	0.0063	

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Results for 30 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S26	780	-0.081	0.157	0.6	0.2776	0.0000	OK
1440 minute winter	S25	780	-0.081	0.163	0.6	0.4151	0.0000	OK
1440 minute winter	S16	780	-0.081	0.186	4.7	0.8251	0.0000	OK
1440 minute winter	S145	780	-0.082	0.233	9.3	1.0042	0.0000	OK
1440 minute winter	S4	780	-0.082	0.161	0.9	0.2842	0.0000	OK
1440 minute winter	S5	780	-0.082	0.202	2.2	0.3566	0.0000	OK
1440 minute winter	S9	780	-0.082	0.214	0.7	0.4922	0.0000	OK
1440 minute winter	S10	780	-0.082	0.239	0.7	0.4217	0.0000	OK
1440 minute winter	S11	780	-0.082	0.244	2.9	0.4305	0.0000	OK
1440 minute winter	S12	780	-0.082	0.253	3.5	0.4463	0.0000	OK
1440 minute winter	S1	780	-0.081	0.183	3.0	0.4299	0.0000	OK
1440 minute winter	S3	780	-0.082	0.225	4.9	0.7200	0.0000	OK
1440 minute winter	S2	780	-0.082	0.254	5.6	0.4483	0.0000	OK
1440 minute winter	S14	780	-0.083	0.226	0.2	0.4002	0.0000	OK
1440 minute winter	S15	780	-0.083	0.263	12.0	1.1860	0.0000	OK
1440 minute winter	S75	780	-0.084	0.278	21.6	0.7084	0.0000	OK
1440 minute winter	S87	780	-0.086	0.200	2.1	0.6498	0.0000	OK
1440 minute winter	S88	780	-0.086	0.222	4.1	0.7247	0.0000	OK
1440 minute winter	S89	780	-0.086	0.244	6.1	0.7907	0.0000	OK
1440 minute winter	S90	780	-0.086	0.266	8.1	0.8458	0.0000	OK
1440 minute winter	S92	780	-0.087	0.292	30.8	0.7428	0.0000	OK
1440 minute winter	S81	780	-0.092	0.210	2.1	0.6795	0.0000	OK
1440 minute winter	S82	780	-0.092	0.232	4.1	0.7545	0.0000	OK
1440 minute winter	S83	780	-0.092	0.253	6.1	0.8172	0.0000	OK
1440 minute winter	S84	780	-0.092	0.275	8.1	0.8716	0.0000	OK
1440 minute winter	S86	780	-0.093	0.300	38.7	0.7639	0.0000	OK
1440 minute winter	S76	780	-0.100	0.217	2.1	0.6967	0.0000	OK
1440 minute winter	S77	780	-0.100	0.239	4.1	0.7715	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S26	1.000	S16	0.6	0.046	0.009	3.2255	
1440 minute winter	S25	2.000	S16	0.6	0.038	0.008	2.6326	
1440 minute winter	S16	1.001	S145	4.5	0.126	0.064	6.8548	
1440 minute winter	S145	1.002	S75	9.1	0.133	0.129	8.7998	
1440 minute winter	S4	3.000	S5	0.9	0.078	0.013	4.9508	
1440 minute winter	S5	3.001	S11	2.2	0.089	0.030	6.4710	
1440 minute winter	S9	4.000	S10	0.7	0.079	0.010	4.0590	
1440 minute winter	S10	4.001	S11	0.8	0.058	0.010	0.7520	
1440 minute winter	S11	3.002	S12	3.1	0.047	0.044	1.6249	
1440 minute winter	S12	3.003	S15	3.6	0.045	0.052	2.1854	
1440 minute winter	S1	5.000	S3	3.0	0.100	0.042	5.9534	
1440 minute winter	S3	5.001	S2	4.9	0.106	0.069	4.9673	
1440 minute winter	S2	5.002	S15	5.6	0.072	0.082	2.0323	
1440 minute winter	S14	6.000	S15	-0.2	-0.023	-0.003	6.6051	
1440 minute winter	S15	3.004	S75	12.1	0.127	0.168	3.1242	
1440 minute winter	S75	1.003	S92	21.6	0.207	0.303	3.5665	
1440 minute winter	S87	7.000	S88	2.0	0.096	0.029	3.1709	
1440 minute winter	S88	7.001	S89	4.0	0.120	0.057	3.5953	
1440 minute winter	S89	7.002	S90	6.0	0.130	0.085	4.0151	
1440 minute winter	S90	7.003	S92	8.0	0.139	0.114	5.6207	
1440 minute winter	S92	1.005	S86	30.7	0.278	0.433	3.0767	
1440 minute winter	S81	8.000	S82	2.0	0.089	0.029	3.3680	
1440 minute winter	S82	8.001	S83	4.0	0.119	0.058	3.7829	
1440 minute winter	S83	8.002	S84	6.0	0.116	0.085	4.1917	
1440 minute winter	S84	8.003	S86	8.0	0.141	0.113	5.5285	
1440 minute winter	S86	1.006	S30	38.6	0.341	0.544	3.1627	
1440 minute winter	S76	9.000	S77	2.0	0.088	0.029	3.4898	
1440 minute winter	S77	9.001	S78	4.0	0.116	0.057	3.9142	

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Results for 30 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S78	780	-0.101	0.260	6.1	0.8371	0.0000	OK
1440 minute winter	S79	780	-0.101	0.281	8.1	0.8880	0.0000	OK
1440 minute winter	S30	780	-0.101	0.306	47.1	0.7776	0.0000	OK
1440 minute winter	S31	780	-0.115	0.221	2.2	0.7325	0.0000	OK
1440 minute winter	S32	780	-0.115	0.264	4.0	0.8154	0.0000	OK
1440 minute winter	S33	780	-0.115	0.308	51.6	0.7834	0.0000	OK
1440 minute winter	S34	780	-0.132	0.307	52.7	0.5425	0.0000	OK
1440 minute winter	S35	780	-0.157	0.309	52.8	0.5454	0.0000	OK
1440 minute winter	S36	780	-0.167	0.275	0.9	0.4851	0.0000	OK
1440 minute winter	S37	780	-0.167	0.304	57.2	1.4920	0.0000	OK
1440 minute winter	S38	810	-0.217	0.299	57.2	0.5289	0.0000	OK
1440 minute winter	S39	2040	-0.241	0.321	57.1	0.5672	0.0000	OK
1440 minute winter	S56	2040	-0.241	0.318	0.2	0.5619	0.0000	OK
1440 minute winter	S57	2040	-0.241	0.324	57.1	0.8246	0.0000	OK
1440 minute winter	S125	2730	-0.241	0.314	0.1	0.5549	0.0000	OK
1440 minute winter	S127	2730	-0.241	0.338	57.0	0.8601	0.0000	OK
1440 minute winter	S119	2670	-0.241	0.328	0.1	0.5795	0.0000	OK
1440 minute winter	S60	2040	-0.241	0.352	56.9	0.8958	0.0000	OK
1440 minute winter	Pond Inlet 1	1470	-0.241	0.369	56.8	0.6517	0.0000	OK
1440 minute winter	Pond Outlet	1980	-0.241	0.369	28.4	0.4171	0.0000	SURCHARGED
1440 minute winter	S13	2010	-0.241	0.397	0.1	1.3745	0.0000	SURCHARGED
1440 minute winter	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	PP-S26	810	0.520	0.020	0.6	0.3708	0.0000	OK
1440 minute winter	PP-S25	750	0.516	0.016	0.6	0.2510	0.0000	OK
1440 minute winter	PP-S16	780	0.519	0.019	1.0	0.3689	0.0000	OK
1440 minute winter	PP-S145	750	0.519	0.019	1.2	0.3747	0.0000	OK
1440 minute winter	PP-S4	780	0.520	0.020	0.9	0.3846	0.0000	OK
1440 minute winter	PP-S1	780	0.529	0.029	2.3	6.7610	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S78	9.002	S79	6.0	0.116	0.087	4.3216	
1440 minute winter	S79	9.003	S30	8.0	0.125	0.112	5.3086	
1440 minute winter	S30	1.007	S33	47.1	0.409	0.661	3.6467	
1440 minute winter	S31	10.000	S32	2.1	0.082	0.030	7.5157	
1440 minute winter	S32	10.001	S33	3.9	0.100	0.055	9.1576	
1440 minute winter	S33	1.008	S34	51.6	0.447	0.731	3.7219	
1440 minute winter	S34	1.009	S35	52.6	0.456	0.741	6.2070	
1440 minute winter	S35	1.010	S37	52.8	0.460	0.795	1.3006	
1440 minute winter	S36	11.000	S37	0.9	0.026	0.012	6.1869	
1440 minute winter	S37	1.011	S38	57.2	0.507	0.809	10.1994	
1440 minute winter	S38	1.012	S39	57.1	0.517	0.799	10.0577	
1440 minute winter	S39	1.013	S57	57.1	0.533	0.901	0.9065	
1440 minute winter	S56	12.011	S57	-0.2	-0.019	-0.002	1.5763	
1440 minute winter	S57	1.014	S127	57.0	0.558	0.806	3.5079	
1440 minute winter	S125	21.003	S127	-0.1	-0.040	-0.002	6.0634	
1440 minute winter	S127	1.015	S60	56.9	0.597	0.799	3.6098	
1440 minute winter	S119	22.003	S60	-0.1	-0.008	-0.001	6.3328	
1440 minute winter	S60	1.016	Pond Inlet 1	56.8	0.696	0.750	4.0587	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	28.4	0.013	0.001	1967.4153	
1440 minute winter	Pond Outlet	1.018	S13	0.1	0.079	0.002	0.4779	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
1440 minute winter	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
1440 minute winter	PP-S16	3.000_1	S16	1.0	0.613	0.015	0.0082	
1440 minute winter	PP-S145	4.000_2	S145	1.2	0.755	0.014	0.0079	
1440 minute winter	PP-S4	1.000_2	S4	0.9	0.528	0.016	0.0085	
1440 minute winter	PP-S1	4.000_1	S1	2.2	0.766	0.034	0.0146	

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Results for 30 year 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	PP-S5	780	0.521	0.021	1.3	0.4777	0.0000	OK
1440 minute winter	PP-S12	780	0.512	0.012	0.5	0.2155	0.0000	OK
1440 minute winter	PP-S14	30	0.500	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	PP-S2	780	0.514	0.014	0.7	0.4575	0.0000	OK
1440 minute winter	PP-S15	750	0.513	0.013	0.6	0.1740	0.0000	OK
1440 minute winter	PP-S75	720	0.512	0.012	0.5	0.1637	0.0000	OK
1440 minute winter	PP-S24	750	0.518	0.018	1.3	0.4154	0.0000	OK
1440 minute winter	PP-S30	720	0.511	0.011	0.5	0.1556	0.0000	OK
1440 minute winter	PP-S33	750	0.512	0.012	0.6	0.1480	0.0000	OK
1440 minute winter	PP-S34	750	0.516	0.016	1.2	0.3751	0.0000	OK
1440 minute winter	PP-S35	750	0.507	0.007	0.2	0.0626	0.0000	OK
1440 minute winter	PP-S36	750	0.514	0.014	0.9	0.2227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP-S5	2.000_2	S5	1.3	0.706	0.018	0.0092	
1440 minute winter	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
1440 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
1440 minute winter	PP-S2	10.000_1	S2	0.7	0.676	0.008	0.0052	
1440 minute winter	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0046	
1440 minute winter	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
1440 minute winter	PP-S24	14.000_1	S92	1.3	0.885	0.013	0.0073	
1440 minute winter	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
1440 minute winter	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
1440 minute winter	PP-S34	21.000_1	S34	1.2	0.952	0.010	0.0063	
1440 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
1440 minute winter	PP-S36	23.000_2	S36	0.9	0.877	0.008	0.0051	

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Results for 30 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	S26	1140	-0.105	0.133	0.6	0.2346	0.0000	OK
2160 minute summer	S25	1140	-0.105	0.139	0.5	0.3531	0.0000	OK
2160 minute summer	S16	1140	-0.105	0.162	4.3	0.7170	0.0000	OK
2160 minute summer	S145	1140	-0.106	0.209	8.4	0.8984	0.0000	OK
2160 minute summer	S4	1140	-0.107	0.136	0.8	0.2403	0.0000	OK
2160 minute summer	S5	1140	-0.107	0.177	1.9	0.3127	0.0000	OK
2160 minute summer	S9	1140	-0.107	0.189	0.7	0.4350	0.0000	OK
2160 minute summer	S10	1140	-0.107	0.214	0.6	0.3778	0.0000	OK
2160 minute summer	S11	1140	-0.107	0.219	2.6	0.3866	0.0000	OK
2160 minute summer	S12	1140	-0.107	0.228	3.1	0.4024	0.0000	OK
2160 minute summer	S1	1140	-0.106	0.158	2.7	0.3717	0.0000	OK
2160 minute summer	S3	1140	-0.107	0.200	4.4	0.6408	0.0000	OK
2160 minute summer	S2	1140	-0.107	0.229	5.0	0.4045	0.0000	OK
2160 minute summer	S14	1140	-0.107	0.202	0.2	0.3564	0.0000	OK
2160 minute summer	S15	1140	-0.107	0.239	10.6	1.0743	0.0000	OK
2160 minute summer	S75	1140	-0.108	0.254	19.0	0.6453	0.0000	OK
2160 minute summer	S87	1140	-0.110	0.176	1.9	0.5703	0.0000	OK
2160 minute summer	S88	1140	-0.110	0.198	3.7	0.6447	0.0000	OK
2160 minute summer	S89	1140	-0.111	0.219	5.5	0.7110	0.0000	OK
2160 minute summer	S90	1140	-0.111	0.241	7.4	0.7673	0.0000	OK
2160 minute summer	S92	1140	-0.112	0.267	27.3	0.6799	0.0000	OK
2160 minute summer	S81	1140	-0.116	0.186	1.9	0.6004	0.0000	OK
2160 minute summer	S82	1140	-0.116	0.208	3.7	0.6749	0.0000	OK
2160 minute summer	S83	1140	-0.116	0.229	5.5	0.7379	0.0000	OK
2160 minute summer	S84	1140	-0.117	0.250	7.4	0.7936	0.0000	OK
2160 minute summer	S86	1140	-0.117	0.276	34.4	0.7012	0.0000	OK
2160 minute summer	S76	1140	-0.125	0.192	1.9	0.6183	0.0000	OK
2160 minute summer	S77	1140	-0.125	0.214	3.7	0.6926	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S26	1.000	S16	0.6	0.048	0.008	2.6196	
2160 minute summer	S25	2.000	S16	0.5	0.043	0.007	2.1466	
2160 minute summer	S16	1.001	S145	4.1	0.122	0.057	5.8288	
2160 minute summer	S145	1.002	S75	8.2	0.121	0.116	7.7600	
2160 minute summer	S4	3.000	S5	0.7	0.071	0.010	4.0615	
2160 minute summer	S5	3.001	S11	2.0	0.085	0.028	5.5550	
2160 minute summer	S9	4.000	S10	0.6	0.065	0.009	3.4936	
2160 minute summer	S10	4.001	S11	0.7	0.037	0.009	0.6551	
2160 minute summer	S11	3.002	S12	2.8	0.076	0.040	1.4232	
2160 minute summer	S12	3.003	S15	3.2	0.048	0.046	1.9279	
2160 minute summer	S1	5.000	S3	2.6	0.106	0.037	5.0225	
2160 minute summer	S3	5.001	S2	4.3	0.102	0.060	4.3246	
2160 minute summer	S2	5.002	S15	4.9	0.085	0.072	1.7936	
2160 minute summer	S14	6.000	S15	-0.2	-0.004	-0.003	5.7750	
2160 minute summer	S15	3.004	S75	10.8	0.127	0.150	2.7798	
2160 minute summer	S75	1.003	S92	18.9	0.204	0.265	3.2012	
2160 minute summer	S87	7.000	S88	1.8	0.090	0.026	2.6973	
2160 minute summer	S88	7.001	S89	3.6	0.107	0.051	3.1179	
2160 minute summer	S89	7.002	S90	5.5	0.118	0.076	3.5378	
2160 minute summer	S90	7.003	S92	7.2	0.085	0.103	5.0285	
2160 minute summer	S92	1.005	S86	27.2	0.273	0.382	2.7795	
2160 minute summer	S81	8.000	S82	1.8	0.084	0.026	2.8929	
2160 minute summer	S82	8.001	S83	3.6	0.107	0.052	3.3062	
2160 minute summer	S83	8.002	S84	5.5	0.106	0.076	3.7175	
2160 minute summer	S84	8.003	S86	7.2	0.079	0.102	4.9724	
2160 minute summer	S86	1.006	S30	34.3	0.333	0.483	2.8684	
2160 minute summer	S76	9.000	S77	1.8	0.080	0.026	3.0158	
2160 minute summer	S77	9.001	S78	3.6	0.105	0.051	3.4399	

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Results for 30 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	S78	1140	-0.125	0.236	5.5	0.7585	0.0000	OK
2160 minute summer	S79	1140	-0.125	0.257	7.4	0.8106	0.0000	OK
2160 minute summer	S30	1140	-0.126	0.281	42.1	0.7152	0.0000	OK
2160 minute summer	S31	1140	-0.139	0.197	2.0	0.6517	0.0000	OK
2160 minute summer	S32	1140	-0.139	0.240	3.7	0.7400	0.0000	OK
2160 minute summer	S33	1140	-0.140	0.283	46.0	0.7212	0.0000	OK
2160 minute summer	S34	1140	-0.156	0.283	46.8	0.4998	0.0000	OK
2160 minute summer	S35	1140	-0.181	0.285	46.9	0.5036	0.0000	OK
2160 minute summer	S36	1140	-0.191	0.251	0.8	0.4439	0.0000	OK
2160 minute summer	S37	1140	-0.191	0.280	50.9	1.3774	0.0000	OK
2160 minute summer	S38	1140	-0.239	0.277	50.7	0.4886	0.0000	OK
2160 minute summer	S39	2400	-0.259	0.303	50.6	0.5347	0.0000	OK
2160 minute summer	S56	3120	-0.259	0.300	0.1	0.5294	0.0000	OK
2160 minute summer	S57	3120	-0.259	0.306	50.5	0.7777	0.0000	OK
2160 minute summer	S125	3120	-0.259	0.296	0.4	0.5226	0.0000	OK
2160 minute summer	S127	3120	-0.259	0.320	50.4	0.8134	0.0000	OK
2160 minute summer	S119	2400	-0.259	0.310	0.1	0.5472	0.0000	OK
2160 minute summer	S60	3120	-0.259	0.334	50.2	0.8491	0.0000	OK
2160 minute summer	Pond Inlet 1	2220	-0.259	0.351	50.0	0.6195	0.0000	OK
2160 minute summer	Pond Outlet	2580	-0.259	0.351	25.0	0.3965	0.0000	SURCHARGED
2160 minute summer	S13	2760	-0.259	0.379	0.1	1.3117	0.0000	SURCHARGED
2160 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S26	1140	0.520	0.020	0.6	0.3708	0.0000	OK
2160 minute summer	PP-S25	1140	0.515	0.015	0.5	0.2141	0.0000	OK
2160 minute summer	PP-S16	1140	0.519	0.019	0.9	0.3347	0.0000	OK
2160 minute summer	PP-S145	1140	0.518	0.018	1.0	0.3175	0.0000	OK
2160 minute summer	PP-S4	1140	0.519	0.019	0.8	0.3446	0.0000	OK
2160 minute summer	PP-S1	1140	0.528	0.028	2.1	6.2746	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S78	9.002	S79	5.5	0.092	0.078	3.8513	
2160 minute summer	S79	9.003	S30	7.3	0.077	0.101	4.7923	
2160 minute summer	S30	1.007	S33	41.9	0.401	0.589	3.3152	
2160 minute summer	S31	10.000	S32	1.9	0.072	0.027	6.5758	
2160 minute summer	S32	10.001	S33	3.5	0.037	0.049	8.2389	
2160 minute summer	S33	1.008	S34	45.8	0.436	0.650	3.3874	
2160 minute summer	S34	1.009	S35	46.7	0.444	0.658	5.6594	
2160 minute summer	S35	1.010	S37	46.9	0.447	0.705	1.1870	
2160 minute summer	S36	11.000	S37	0.7	0.008	0.010	5.6027	
2160 minute summer	S37	1.011	S38	50.7	0.493	0.718	9.3099	
2160 minute summer	S38	1.012	S39	50.6	0.500	0.708	9.3478	
2160 minute summer	S39	1.013	S57	50.5	0.514	0.796	0.8499	
2160 minute summer	S56	12.011	S57	-0.1	-0.009	-0.001	1.4770	
2160 minute summer	S57	1.014	S127	50.4	0.537	0.712	3.2993	
2160 minute summer	S125	21.003	S127	-0.4	-0.086	-0.006	5.6937	
2160 minute summer	S127	1.015	S60	50.2	0.573	0.705	3.4117	
2160 minute summer	S119	22.003	S60	-0.1	-0.030	-0.002	5.9767	
2160 minute summer	S60	1.016	Pond Inlet 1	50.0	0.651	0.660	3.8568	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	25.0	0.011	0.001	1864.5895	
2160 minute summer	Pond Outlet	1.018	S13	0.1	0.115	0.001	0.4779	
2160 minute summer	S13	Pump	Final Outfall	0.0				0.0
2160 minute summer	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
2160 minute summer	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
2160 minute summer	PP-S16	3.000_1	S16	0.9	0.593	0.013	0.0076	
2160 minute summer	PP-S145	4.000_2	S145	1.0	0.714	0.012	0.0070	
2160 minute summer	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
2160 minute summer	PP-S1	4.000_1	S1	2.0	0.743	0.031	0.0136	

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Results for 30 year 2160 minute summer. 3600 minute analysis at 60 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
2160 minute summer	PP-S5	1140	0.520	0.020	1.2	0.4445	0.0000	OK
2160 minute summer	PP-S12	1140	0.511	0.011	0.4	0.1762	0.0000	OK
2160 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S2	1140	0.514	0.014	0.7	0.4574	0.0000	OK
2160 minute summer	PP-S15	1140	0.512	0.012	0.5	0.1473	0.0000	OK
2160 minute summer	PP-S75	1140	0.512	0.012	0.5	0.1637	0.0000	OK
2160 minute summer	PP-S24	1140	0.517	0.017	1.2	0.3865	0.0000	OK
2160 minute summer	PP-S30	1140	0.511	0.011	0.5	0.1556	0.0000	OK
2160 minute summer	PP-S33	1140	0.511	0.011	0.5	0.1260	0.0000	OK
2160 minute summer	PP-S34	1140	0.515	0.015	1.0	0.3205	0.0000	OK
2160 minute summer	PP-S35	1140	0.507	0.007	0.2	0.0626	0.0000	OK
2160 minute summer	PP-S36	1140	0.513	0.013	0.8	0.1995	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	PP-S5	2.000_2	S5	1.2	0.690	0.016	0.0087	
2160 minute summer	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
2160 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute summer	PP-S2	10.000_1	S2	0.7	0.676	0.008	0.0052	
2160 minute summer	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
2160 minute summer	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
2160 minute summer	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0070	
2160 minute summer	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
2160 minute summer	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
2160 minute summer	PP-S34	21.000_1	S34	1.0	0.902	0.008	0.0055	
2160 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2160 minute summer	PP-S36	23.000_2	S36	0.8	0.845	0.007	0.0047	

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Results for 30 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S26	1140	-0.141	0.097	0.5	0.1711	0.0000	OK
2160 minute winter	S25	1140	-0.141	0.103	0.4	0.2617	0.0000	OK
2160 minute winter	S16	1140	-0.141	0.126	3.4	0.5577	0.0000	OK
2160 minute winter	S145	1140	-0.143	0.172	6.6	0.7415	0.0000	OK
2160 minute winter	S4	1200	-0.143	0.100	0.6	0.1761	0.0000	OK
2160 minute winter	S5	1200	-0.143	0.141	1.5	0.2483	0.0000	OK
2160 minute winter	S9	1200	-0.144	0.152	0.5	0.3510	0.0000	OK
2160 minute winter	S10	1200	-0.144	0.177	0.5	0.3133	0.0000	OK
2160 minute winter	S11	1200	-0.144	0.182	2.1	0.3221	0.0000	OK
2160 minute winter	S12	1200	-0.144	0.191	2.4	0.3379	0.0000	OK
2160 minute winter	S1	1140	-0.142	0.122	2.2	0.2865	0.0000	OK
2160 minute winter	S3	1140	-0.143	0.164	3.6	0.5243	0.0000	OK
2160 minute winter	S2	1200	-0.144	0.192	4.0	0.3399	0.0000	OK
2160 minute winter	S14	1200	-0.144	0.165	0.1	0.2918	0.0000	OK
2160 minute winter	S15	1200	-0.144	0.202	8.6	0.9098	0.0000	OK
2160 minute winter	S75	1140	-0.145	0.217	15.6	0.5518	0.0000	OK
2160 minute winter	S87	1140	-0.147	0.139	1.4	0.4510	0.0000	OK
2160 minute winter	S88	1140	-0.147	0.161	2.9	0.5247	0.0000	OK
2160 minute winter	S89	1140	-0.147	0.183	4.4	0.5916	0.0000	OK
2160 minute winter	S90	1140	-0.148	0.204	5.7	0.6497	0.0000	OK
2160 minute winter	S92	1140	-0.149	0.230	22.0	0.5859	0.0000	OK
2160 minute winter	S81	1140	-0.153	0.149	1.4	0.4815	0.0000	OK
2160 minute winter	S82	1140	-0.153	0.171	2.9	0.5553	0.0000	OK
2160 minute winter	S83	1140	-0.153	0.192	4.4	0.6189	0.0000	OK
2160 minute winter	S84	1140	-0.154	0.213	5.7	0.6764	0.0000	OK
2160 minute winter	S86	1140	-0.154	0.239	27.6	0.6072	0.0000	OK
2160 minute winter	S76	1140	-0.161	0.156	1.4	0.5004	0.0000	OK
2160 minute winter	S77	1140	-0.161	0.178	2.9	0.5740	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S26	1.000	S16	0.5	0.046	0.007	1.7763	
2160 minute winter	S25	2.000	S16	0.4	0.038	0.006	1.4685	
2160 minute winter	S16	1.001	S145	3.3	0.123	0.047	4.3534	
2160 minute winter	S145	1.002	S75	6.6	0.119	0.093	6.2177	
2160 minute winter	S4	3.000	S5	0.6	0.071	0.009	2.8235	
2160 minute winter	S5	3.001	S11	1.5	0.087	0.022	4.2369	
2160 minute winter	S9	4.000	S10	0.5	0.081	0.007	2.6770	
2160 minute winter	S10	4.001	S11	0.5	0.068	0.007	0.5139	
2160 minute winter	S11	3.002	S12	2.1	0.074	0.030	1.1276	
2160 minute winter	S12	3.003	S15	2.4	0.049	0.035	1.5476	
2160 minute winter	S1	5.000	S3	2.2	0.105	0.030	3.6979	
2160 minute winter	S3	5.001	S2	3.5	0.107	0.050	3.3860	
2160 minute winter	S2	5.002	S15	4.0	0.101	0.058	1.4408	
2160 minute winter	S14	6.000	S15	-0.1	-0.008	-0.001	4.5580	
2160 minute winter	S15	3.004	S75	8.7	0.121	0.121	2.2651	
2160 minute winter	S75	1.003	S92	15.6	0.199	0.220	2.6470	
2160 minute winter	S87	7.000	S88	1.4	0.089	0.019	2.0057	
2160 minute winter	S88	7.001	S89	2.9	0.111	0.040	2.4115	
2160 minute winter	S89	7.002	S90	4.3	0.125	0.061	2.8228	
2160 minute winter	S90	7.003	S92	5.7	0.107	0.081	4.1287	
2160 minute winter	S92	1.005	S86	22.0	0.264	0.310	2.3226	
2160 minute winter	S81	8.000	S82	1.4	0.086	0.019	2.1926	
2160 minute winter	S82	8.001	S83	2.9	0.105	0.041	2.5945	
2160 minute winter	S83	8.002	S84	4.3	0.122	0.061	3.0007	
2160 minute winter	S84	8.003	S86	5.7	0.087	0.080	4.1208	
2160 minute winter	S86	1.006	S30	27.6	0.319	0.389	2.4142	
2160 minute winter	S76	9.000	S77	1.4	0.083	0.019	2.3148	
2160 minute winter	S77	9.001	S78	2.9	0.105	0.040	2.7295	

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Results for 30 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S78	1140	-0.162	0.199	4.4	0.6405	0.0000	OK
2160 minute winter	S79	1140	-0.162	0.220	5.7	0.6946	0.0000	OK
2160 minute winter	S30	1140	-0.163	0.244	33.7	0.6218	0.0000	OK
2160 minute winter	S31	1200	-0.175	0.161	1.6	0.5322	0.0000	OK
2160 minute winter	S32	1200	-0.175	0.204	3.0	0.6285	0.0000	OK
2160 minute winter	S33	1200	-0.176	0.247	37.0	0.6293	0.0000	OK
2160 minute winter	S34	1200	-0.191	0.248	37.7	0.4377	0.0000	OK
2160 minute winter	S35	1200	-0.214	0.252	37.8	0.4444	0.0000	OK
2160 minute winter	S36	2700	-0.222	0.220	0.6	0.3891	0.0000	OK
2160 minute winter	S37	3240	-0.222	0.249	41.0	1.2250	0.0000	OK
2160 minute winter	S38	2700	-0.222	0.294	40.9	0.5198	0.0000	OK
2160 minute winter	S39	2700	-0.222	0.340	40.8	0.6012	0.0000	OK
2160 minute winter	S56	2700	-0.222	0.337	0.2	0.5960	0.0000	OK
2160 minute winter	S57	2700	-0.222	0.343	40.8	0.8736	0.0000	OK
2160 minute winter	S125	2700	-0.222	0.333	0.1	0.5888	0.0000	OK
2160 minute winter	S127	2700	-0.222	0.357	40.7	0.9090	0.0000	OK
2160 minute winter	S119	2700	-0.222	0.347	0.1	0.6135	0.0000	OK
2160 minute winter	S60	3420	-0.222	0.371	40.6	0.9444	0.0000	OK
2160 minute winter	Pond Inlet 1	2220	-0.222	0.388	40.4	0.6857	0.0000	OK
2160 minute winter	Pond Outlet	2520	-0.222	0.388	20.2	0.4389	0.0000	SURCHARGED
2160 minute winter	S13	3000	-0.222	0.416	0.1	1.4415	0.0000	SURCHARGED
2160 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S26	1140	0.518	0.018	0.5	0.3152	0.0000	OK
2160 minute winter	PP-S25	1140	0.514	0.014	0.4	0.1738	0.0000	OK
2160 minute winter	PP-S16	1140	0.516	0.016	0.7	0.2673	0.0000	OK
2160 minute winter	PP-S145	1080	0.516	0.016	0.8	0.2613	0.0000	OK
2160 minute winter	PP-S4	1140	0.517	0.017	0.6	0.2658	0.0000	OK
2160 minute winter	PP-S1	1140	0.524	0.024	1.6	5.1668	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S78	9.002	S79	4.3	0.113	0.062	3.1381	
2160 minute winter	S79	9.003	S30	5.7	0.074	0.079	4.0000	
2160 minute winter	S30	1.007	S33	33.7	0.380	0.473	2.8059	
2160 minute winter	S31	10.000	S32	1.6	0.079	0.022	5.1947	
2160 minute winter	S32	10.001	S33	2.9	0.051	0.041	6.8537	
2160 minute winter	S33	1.008	S34	36.9	0.414	0.524	2.8809	
2160 minute winter	S34	1.009	S35	37.7	0.419	0.531	4.8478	
2160 minute winter	S35	1.010	S37	37.8	0.421	0.569	1.0223	
2160 minute winter	S36	11.000	S37	0.6	0.007	0.009	4.8093	
2160 minute winter	S37	1.011	S38	40.9	0.461	0.579	9.0356	
2160 minute winter	S38	1.012	S39	40.8	0.460	0.571	10.7781	
2160 minute winter	S39	1.013	S57	40.8	0.468	0.644	0.9631	
2160 minute winter	S56	12.011	S57	-0.2	-0.101	-0.002	1.6757	
2160 minute winter	S57	1.014	S127	40.7	0.488	0.576	3.7156	
2160 minute winter	S125	21.003	S127	0.1	-0.003	0.002	6.4319	
2160 minute winter	S127	1.015	S60	40.6	0.515	0.570	3.8037	
2160 minute winter	S119	22.003	S60	0.1	-0.003	0.001	6.6850	
2160 minute winter	S60	1.016	Pond Inlet 1	40.4	0.590	0.534	4.2545	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	20.2	0.011	0.000	2076.7212	
2160 minute winter	Pond Outlet	1.018	S13	0.1	0.004	0.001	0.4779	
2160 minute winter	S13	Pump	Final Outfall	0.0				0.0
2160 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
2160 minute winter	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
2160 minute winter	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
2160 minute winter	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
2160 minute winter	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
2160 minute winter	PP-S1	4.000_1	S1	1.6	0.691	0.024	0.0114	

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Results for 30 year 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	PP-S5	1140	0.518	0.018	0.9	0.3421	0.0000	OK
2160 minute winter	PP-S12	1020	0.510	0.010	0.3	0.1375	0.0000	OK
2160 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S2	1200	0.512	0.012	0.5	0.3326	0.0000	OK
2160 minute winter	PP-S15	1140	0.511	0.011	0.4	0.1210	0.0000	OK
2160 minute winter	PP-S75	1080	0.511	0.011	0.4	0.1345	0.0000	OK
2160 minute winter	PP-S24	1080	0.515	0.015	0.9	0.3010	0.0000	OK
2160 minute winter	PP-S30	1140	0.510	0.010	0.4	0.1284	0.0000	OK
2160 minute winter	PP-S33	1020	0.510	0.010	0.4	0.1044	0.0000	OK
2160 minute winter	PP-S34	1140	0.513	0.013	0.8	0.2602	0.0000	OK
2160 minute winter	PP-S35	840	0.505	0.005	0.1	0.0345	0.0000	OK
2160 minute winter	PP-S36	1080	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
2160 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
2160 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute winter	PP-S2	10.000_1	S2	0.5	0.611	0.005	0.0041	
2160 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
2160 minute winter	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
2160 minute winter	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
2160 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
2160 minute winter	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
2160 minute winter	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
2160 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
2160 minute winter	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	S26	1500	-0.140	0.098	0.5	0.1731	0.0000	OK
2880 minute summer	S25	1500	-0.140	0.104	0.4	0.2644	0.0000	OK
2880 minute summer	S16	1500	-0.140	0.127	3.4	0.5626	0.0000	OK
2880 minute summer	S145	1500	-0.142	0.173	6.7	0.7464	0.0000	OK
2880 minute summer	S4	1500	-0.142	0.101	0.7	0.1781	0.0000	OK
2880 minute summer	S5	1500	-0.142	0.142	1.7	0.2503	0.0000	OK
2880 minute summer	S9	1500	-0.143	0.153	0.5	0.3536	0.0000	OK
2880 minute summer	S10	1500	-0.143	0.178	0.5	0.3153	0.0000	OK
2880 minute summer	S11	1500	-0.143	0.183	2.2	0.3241	0.0000	OK
2880 minute summer	S12	1500	-0.143	0.192	2.6	0.3399	0.0000	OK
2880 minute summer	S1	1500	-0.141	0.123	2.2	0.2893	0.0000	OK
2880 minute summer	S3	1500	-0.142	0.165	3.7	0.5282	0.0000	OK
2880 minute summer	S2	1500	-0.142	0.194	4.1	0.3420	0.0000	OK
2880 minute summer	S14	1500	-0.143	0.166	0.1	0.2938	0.0000	OK
2880 minute summer	S15	1500	-0.143	0.203	8.8	0.9150	0.0000	OK
2880 minute summer	S75	1500	-0.144	0.218	15.7	0.5548	0.0000	OK
2880 minute summer	S87	1500	-0.146	0.140	1.5	0.4547	0.0000	OK
2880 minute summer	S88	1500	-0.146	0.162	3.0	0.5284	0.0000	OK
2880 minute summer	S89	1500	-0.146	0.184	4.4	0.5953	0.0000	OK
2880 minute summer	S90	1500	-0.147	0.205	5.8	0.6534	0.0000	OK
2880 minute summer	S92	1500	-0.148	0.231	22.3	0.5888	0.0000	OK
2880 minute summer	S81	1500	-0.152	0.150	1.5	0.4849	0.0000	OK
2880 minute summer	S82	1500	-0.152	0.172	3.0	0.5587	0.0000	OK
2880 minute summer	S83	1500	-0.152	0.193	4.4	0.6223	0.0000	OK
2880 minute summer	S84	1500	-0.153	0.214	5.8	0.6798	0.0000	OK
2880 minute summer	S86	1500	-0.153	0.240	28.0	0.6099	0.0000	OK
2880 minute summer	S76	1500	-0.160	0.157	1.5	0.5034	0.0000	OK
2880 minute summer	S77	1500	-0.161	0.178	3.0	0.5770	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S26	1.000	S16	0.5	0.047	0.007	1.8005	
2880 minute summer	S25	2.000	S16	0.4	0.042	0.005	1.4882	
2880 minute summer	S16	1.001	S145	3.3	0.126	0.047	4.3977	
2880 minute summer	S145	1.002	S75	6.6	0.119	0.093	6.2660	
2880 minute summer	S4	3.000	S5	0.7	0.075	0.010	2.8605	
2880 minute summer	S5	3.001	S11	1.6	0.107	0.023	4.2770	
2880 minute summer	S9	4.000	S10	0.5	0.061	0.008	2.7017	
2880 minute summer	S10	4.001	S11	0.6	0.038	0.008	0.5182	
2880 minute summer	S11	3.002	S12	2.3	0.085	0.033	1.1367	
2880 minute summer	S12	3.003	S15	2.7	0.056	0.039	1.5595	
2880 minute summer	S1	5.000	S3	2.2	0.103	0.031	3.7411	
2880 minute summer	S3	5.001	S2	3.6	0.104	0.051	3.4164	
2880 minute summer	S2	5.002	S15	4.0	0.086	0.059	1.4520	
2880 minute summer	S14	6.000	S15	-0.1	-0.003	-0.002	4.5960	
2880 minute summer	S15	3.004	S75	8.8	0.125	0.124	2.2815	
2880 minute summer	S75	1.003	S92	15.6	0.201	0.219	2.6644	
2880 minute summer	S87	7.000	S88	1.5	0.092	0.021	2.0269	
2880 minute summer	S88	7.001	S89	2.9	0.107	0.041	2.4331	
2880 minute summer	S89	7.002	S90	4.3	0.107	0.061	2.8448	
2880 minute summer	S90	7.003	S92	5.8	0.079	0.082	4.1566	
2880 minute summer	S92	1.005	S86	22.3	0.265	0.313	2.3363	
2880 minute summer	S81	8.000	S82	1.5	0.084	0.021	2.2125	
2880 minute summer	S82	8.001	S83	2.9	0.103	0.042	2.6147	
2880 minute summer	S83	8.002	S84	4.3	0.098	0.061	3.0211	
2880 minute summer	S84	8.003	S86	5.8	0.075	0.081	4.1452	
2880 minute summer	S86	1.006	S30	28.0	0.321	0.394	2.4265	
2880 minute summer	S76	9.000	S77	1.5	0.080	0.021	2.3325	
2880 minute summer	S77	9.001	S78	2.9	0.095	0.041	2.7474	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	S78	1500	-0.161	0.200	4.4	0.6435	0.0000	OK
2880 minute summer	S79	1500	-0.161	0.221	5.8	0.6976	0.0000	OK
2880 minute summer	S30	1500	-0.162	0.245	34.1	0.6241	0.0000	OK
2880 minute summer	S31	1500	-0.175	0.161	1.6	0.5345	0.0000	OK
2880 minute summer	S32	1500	-0.175	0.204	2.9	0.6307	0.0000	OK
2880 minute summer	S33	1500	-0.175	0.248	37.3	0.6311	0.0000	OK
2880 minute summer	S34	1500	-0.191	0.248	38.0	0.4383	0.0000	OK
2880 minute summer	S35	1500	-0.215	0.251	38.0	0.4438	0.0000	OK
2880 minute summer	S36	1500	-0.224	0.218	0.7	0.3854	0.0000	OK
2880 minute summer	S37	1500	-0.224	0.247	41.4	1.2146	0.0000	OK
2880 minute summer	S38	3900	-0.247	0.269	41.2	0.4754	0.0000	OK
2880 minute summer	S39	3900	-0.247	0.315	41.1	0.5565	0.0000	OK
2880 minute summer	S56	4200	-0.247	0.312	0.1	0.5513	0.0000	OK
2880 minute summer	S57	4200	-0.247	0.318	41.0	0.8092	0.0000	OK
2880 minute summer	S125	3900	-0.247	0.308	0.1	0.5444	0.0000	OK
2880 minute summer	S127	3900	-0.247	0.332	41.0	0.8450	0.0000	OK
2880 minute summer	S119	4200	-0.247	0.322	0.1	0.5690	0.0000	OK
2880 minute summer	S60	4200	-0.247	0.346	40.8	0.8805	0.0000	OK
2880 minute summer	Pond Inlet 1	3060	-0.247	0.363	40.7	0.6411	0.0000	OK
2880 minute summer	Pond Outlet	3240	-0.247	0.363	20.3	0.4104	0.0000	SURCHARGED
2880 minute summer	S13	3480	-0.247	0.391	0.1	1.3541	0.0000	SURCHARGED
2880 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S26	1500	0.518	0.018	0.5	0.3152	0.0000	OK
2880 minute summer	PP-S25	1500	0.514	0.014	0.4	0.1738	0.0000	OK
2880 minute summer	PP-S16	1500	0.516	0.016	0.7	0.2673	0.0000	OK
2880 minute summer	PP-S145	1500	0.516	0.016	0.8	0.2613	0.0000	OK
2880 minute summer	PP-S4	1500	0.518	0.018	0.7	0.3050	0.0000	OK
2880 minute summer	PP-S1	1500	0.525	0.025	1.7	5.3404	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S78	9.002	S79	4.3	0.090	0.062	3.1563	
2880 minute summer	S79	9.003	S30	5.8	0.072	0.080	4.0203	
2880 minute summer	S30	1.007	S33	34.1	0.383	0.479	2.8177	
2880 minute summer	S31	10.000	S32	1.5	0.088	0.022	5.2212	
2880 minute summer	S32	10.001	S33	2.8	0.038	0.039	6.8808	
2880 minute summer	S33	1.008	S34	37.2	0.415	0.527	2.8881	
2880 minute summer	S34	1.009	S35	37.9	0.420	0.534	4.8471	
2880 minute summer	S35	1.010	S37	38.0	0.422	0.572	1.0198	
2880 minute summer	S36	11.000	S37	0.7	0.009	0.009	4.7549	
2880 minute summer	S37	1.011	S38	41.2	0.464	0.584	8.0323	
2880 minute summer	S38	1.012	S39	41.1	0.465	0.575	9.8288	
2880 minute summer	S39	1.013	S57	41.0	0.474	0.648	0.8882	
2880 minute summer	S56	12.011	S57	-0.1	-0.023	-0.001	1.5443	
2880 minute summer	S57	1.014	S127	41.0	0.492	0.579	3.4410	
2880 minute summer	S125	21.003	S127	0.1	-0.002	0.002	5.9449	
2880 minute summer	S127	1.015	S60	40.8	0.517	0.573	3.5467	
2880 minute summer	S119	22.003	S60	-0.1	-0.002	-0.001	6.2192	
2880 minute summer	S60	1.016	Pond Inlet 1	40.7	0.571	0.537	3.9945	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	20.3	0.008	0.000	1933.9209	
2880 minute summer	Pond Outlet	1.018	S13	-0.1	0.057	-0.001	0.4779	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
2880 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
2880 minute summer	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
2880 minute summer	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
2880 minute summer	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
2880 minute summer	PP-S1	4.000_1	S1	1.6	0.700	0.025	0.0117	

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Results for 30 year 2880 minute summer. 4320 minute analysis at 60 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
2880 minute summer	PP-S5	1500	0.519	0.019	1.0	0.3762	0.0000	OK
2880 minute summer	PP-S12	1500	0.511	0.011	0.4	0.1762	0.0000	OK
2880 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S2	1500	0.512	0.012	0.5	0.3326	0.0000	OK
2880 minute summer	PP-S15	1500	0.511	0.011	0.4	0.1210	0.0000	OK
2880 minute summer	PP-S75	1500	0.511	0.011	0.4	0.1345	0.0000	OK
2880 minute summer	PP-S24	1500	0.516	0.016	1.0	0.3293	0.0000	OK
2880 minute summer	PP-S30	1500	0.510	0.010	0.4	0.1284	0.0000	OK
2880 minute summer	PP-S33	1440	0.510	0.010	0.4	0.1044	0.0000	OK
2880 minute summer	PP-S34	1500	0.513	0.013	0.8	0.2602	0.0000	OK
2880 minute summer	PP-S35	1320	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute summer	PP-S36	1500	0.513	0.013	0.7	0.1765	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
2880 minute summer	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
2880 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute summer	PP-S2	10.000_1	S2	0.5	0.611	0.005	0.0041	
2880 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
2880 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
2880 minute summer	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
2880 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
2880 minute summer	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
2880 minute summer	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
2880 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
2880 minute summer	PP-S36	23.000_2	S36	0.7	0.812	0.006	0.0043	

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Results for 30 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S26	1560	-0.172	0.066	0.4	0.1162	0.0000	OK
2880 minute winter	S25	1560	-0.172	0.072	0.3	0.1826	0.0000	OK
2880 minute winter	S16	1560	-0.172	0.095	2.6	0.4198	0.0000	OK
2880 minute winter	S145	1560	-0.175	0.140	5.2	0.6045	0.0000	OK
2880 minute winter	S4	1560	-0.175	0.068	0.5	0.1201	0.0000	OK
2880 minute winter	S5	1560	-0.175	0.109	1.2	0.1921	0.0000	OK
2880 minute winter	S9	1560	-0.176	0.120	0.4	0.2774	0.0000	OK
2880 minute winter	S10	1560	-0.176	0.145	0.4	0.2569	0.0000	OK
2880 minute winter	S11	1560	-0.176	0.150	1.7	0.2657	0.0000	OK
2880 minute winter	S12	1560	-0.176	0.159	2.0	0.2815	0.0000	OK
2880 minute winter	S1	1560	-0.174	0.090	1.7	0.2127	0.0000	OK
2880 minute winter	S3	1560	-0.175	0.132	2.8	0.4229	0.0000	OK
2880 minute winter	S2	1560	-0.176	0.160	3.2	0.2835	0.0000	OK
2880 minute winter	S14	1560	-0.176	0.133	0.1	0.2353	0.0000	OK
2880 minute winter	S15	1560	-0.176	0.170	6.9	0.7659	0.0000	OK
2880 minute winter	S75	1560	-0.177	0.185	12.3	0.4701	0.0000	OK
2880 minute winter	S87	1560	-0.179	0.107	1.1	0.3469	0.0000	OK
2880 minute winter	S88	1560	-0.179	0.129	2.3	0.4198	0.0000	OK
2880 minute winter	S89	1560	-0.180	0.150	3.5	0.4870	0.0000	OK
2880 minute winter	S90	1560	-0.180	0.172	4.6	0.5468	0.0000	OK
2880 minute winter	S92	1560	-0.181	0.198	17.5	0.5036	0.0000	OK
2880 minute winter	S81	1560	-0.185	0.117	1.1	0.3772	0.0000	OK
2880 minute winter	S82	1560	-0.185	0.139	2.3	0.4503	0.0000	OK
2880 minute winter	S83	1560	-0.186	0.159	3.5	0.5143	0.0000	OK
2880 minute winter	S84	1560	-0.186	0.181	4.6	0.5736	0.0000	OK
2880 minute winter	S86	1560	-0.187	0.206	22.0	0.5247	0.0000	OK
2880 minute winter	S76	1560	-0.194	0.123	1.1	0.3967	0.0000	OK
2880 minute winter	S77	1560	-0.194	0.145	2.3	0.4696	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S26	1.000	S16	0.4	0.047	0.006	1.1184	
2880 minute winter	S25	2.000	S16	0.3	0.039	0.005	0.9366	
2880 minute winter	S16	1.001	S145	2.6	0.125	0.036	3.1425	
2880 minute winter	S145	1.002	S75	5.1	0.118	0.073	4.8963	
2880 minute winter	S4	3.000	S5	0.5	0.075	0.007	1.8383	
2880 minute winter	S5	3.001	S11	1.3	0.082	0.018	3.1362	
2880 minute winter	S9	4.000	S10	0.4	0.073	0.006	1.9924	
2880 minute winter	S10	4.001	S11	0.4	0.043	0.006	0.3941	
2880 minute winter	S11	3.002	S12	1.7	0.076	0.025	0.8755	
2880 minute winter	S12	3.003	S15	2.0	0.049	0.029	1.2211	
2880 minute winter	S1	5.000	S3	1.7	0.102	0.023	2.6196	
2880 minute winter	S3	5.001	S2	2.8	0.103	0.039	2.5935	
2880 minute winter	S2	5.002	S15	3.2	0.086	0.047	1.1380	
2880 minute winter	S14	6.000	S15	-0.1	-0.003	-0.001	3.5235	
2880 minute winter	S15	3.004	S75	6.9	0.121	0.097	1.8198	
2880 minute winter	S75	1.003	S92	12.3	0.194	0.173	2.1619	
2880 minute winter	S87	7.000	S88	1.1	0.092	0.015	1.4349	
2880 minute winter	S88	7.001	S89	2.3	0.107	0.032	1.8155	
2880 minute winter	S89	7.002	S90	3.5	0.122	0.049	2.2096	
2880 minute winter	S90	7.003	S92	4.5	0.090	0.064	3.3438	
2880 minute winter	S92	1.005	S86	17.5	0.253	0.246	1.9186	
2880 minute winter	S81	8.000	S82	1.1	0.085	0.015	1.6067	
2880 minute winter	S82	8.001	S83	2.3	0.105	0.033	1.9877	
2880 minute winter	S83	8.002	S84	3.5	0.110	0.049	2.3802	
2880 minute winter	S84	8.003	S86	4.5	0.075	0.064	3.3714	
2880 minute winter	S86	1.006	S30	22.0	0.305	0.309	2.0095	
2880 minute winter	S76	9.000	S77	1.1	0.080	0.015	1.7233	
2880 minute winter	S77	9.001	S78	2.3	0.105	0.032	2.1193	

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Results for 30 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S78	1560	-0.194	0.167	3.5	0.5366	0.0000	OK
2880 minute winter	S79	1560	-0.194	0.188	4.6	0.5924	0.0000	OK
2880 minute winter	S30	1560	-0.195	0.212	26.8	0.5395	0.0000	OK
2880 minute winter	S31	1560	-0.207	0.129	1.2	0.4265	0.0000	OK
2880 minute winter	S32	1560	-0.207	0.172	2.3	0.5299	0.0000	OK
2880 minute winter	S33	1560	-0.208	0.215	29.3	0.5480	0.0000	OK
2880 minute winter	S34	3720	-0.209	0.230	29.9	0.4064	0.0000	OK
2880 minute winter	S35	3720	-0.209	0.257	30.0	0.4542	0.0000	OK
2880 minute winter	S36	3720	-0.209	0.233	0.5	0.4118	0.0000	OK
2880 minute winter	S37	3720	-0.209	0.262	32.5	1.2883	0.0000	OK
2880 minute winter	S38	3480	-0.209	0.307	32.4	0.5425	0.0000	OK
2880 minute winter	S39	3720	-0.209	0.353	32.3	0.6238	0.0000	OK
2880 minute winter	S56	3720	-0.209	0.350	0.0	0.6186	0.0000	OK
2880 minute winter	S57	3720	-0.209	0.356	32.3	0.9061	0.0000	OK
2880 minute winter	S125	3720	-0.209	0.346	0.1	0.6114	0.0000	OK
2880 minute winter	S127	3480	-0.209	0.370	32.2	0.9417	0.0000	OK
2880 minute winter	S119	3480	-0.209	0.360	0.1	0.6362	0.0000	OK
2880 minute winter	S60	3480	-0.209	0.384	32.1	0.9774	0.0000	OK
2880 minute winter	Pond Inlet 1	3120	-0.209	0.401	32.0	0.7085	0.0000	OK
2880 minute winter	Pond Outlet	3120	-0.209	0.401	16.0	0.4535	0.0000	SURCHARGED
2880 minute winter	S13	3420	-0.209	0.429	0.1	1.4861	0.0000	SURCHARGED
2880 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S26	1500	0.516	0.016	0.4	0.2602	0.0000	OK
2880 minute winter	PP-S25	1380	0.512	0.012	0.3	0.1335	0.0000	OK
2880 minute winter	PP-S16	1380	0.514	0.014	0.5	0.1986	0.0000	OK
2880 minute winter	PP-S145	1440	0.514	0.014	0.6	0.2022	0.0000	OK
2880 minute winter	PP-S4	1440	0.515	0.015	0.5	0.2272	0.0000	OK
2880 minute winter	PP-S1	1500	0.522	0.022	1.3	4.3107	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S78	9.002	S79	3.5	0.100	0.050	2.5161	
2880 minute winter	S79	9.003	S30	4.5	0.068	0.063	3.2981	
2880 minute winter	S30	1.007	S33	26.8	0.362	0.376	2.3495	
2880 minute winter	S31	10.000	S32	1.2	0.079	0.017	4.0076	
2880 minute winter	S32	10.001	S33	2.3	0.063	0.031	5.6261	
2880 minute winter	S33	1.008	S34	29.3	0.392	0.415	2.5119	
2880 minute winter	S34	1.009	S35	29.9	0.394	0.421	4.7007	
2880 minute winter	S35	1.010	S37	30.0	0.394	0.451	1.0724	
2880 minute winter	S36	11.000	S37	0.5	0.007	0.007	5.1401	
2880 minute winter	S37	1.011	S38	32.4	0.430	0.459	9.5408	
2880 minute winter	S38	1.012	S39	32.3	0.422	0.453	11.2421	
2880 minute winter	S39	1.013	S57	32.3	0.425	0.510	0.9989	
2880 minute winter	S56	12.011	S57	0.0	-0.003	-0.001	1.7385	
2880 minute winter	S57	1.014	S127	32.2	0.439	0.456	3.8461	
2880 minute winter	S125	21.003	S127	-0.1	-0.010	-0.002	6.6656	
2880 minute winter	S127	1.015	S60	32.1	0.459	0.451	3.9257	
2880 minute winter	S119	22.003	S60	-0.1	-0.009	-0.002	6.9069	
2880 minute winter	S60	1.016	Pond Inlet 1	32.0	0.519	0.422	4.3749	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	16.0	0.011	0.000	2150.9182	
2880 minute winter	Pond Outlet	1.018	S13	0.1	0.092	0.001	0.4779	
2880 minute winter	S13	Pump	Final Outfall	0.0				0.0
2880 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
2880 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
2880 minute winter	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
2880 minute winter	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
2880 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
2880 minute winter	PP-S1	4.000_1	S1	1.3	0.649	0.019	0.0098	

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Results for 30 year 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP-S5	1440	0.516	0.016	0.7	0.2748	0.0000	OK
2880 minute winter	PP-S12	1500	0.510	0.010	0.3	0.1375	0.0000	OK
2880 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S2	1500	0.511	0.011	0.4	0.2720	0.0000	OK
2880 minute winter	PP-S15	1320	0.510	0.010	0.3	0.0947	0.0000	OK
2880 minute winter	PP-S75	1440	0.509	0.009	0.3	0.1051	0.0000	OK
2880 minute winter	PP-S24	1440	0.514	0.014	0.7	0.2394	0.0000	OK
2880 minute winter	PP-S30	1380	0.509	0.009	0.3	0.0999	0.0000	OK
2880 minute winter	PP-S33	1320	0.509	0.009	0.3	0.0814	0.0000	OK
2880 minute winter	PP-S34	1380	0.512	0.012	0.6	0.2005	0.0000	OK
2880 minute winter	PP-S35	1200	0.505	0.005	0.1	0.0345	0.0000	OK
2880 minute winter	PP-S36	1440	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
2880 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
2880 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute winter	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
2880 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
2880 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
2880 minute winter	PP-S24	14.000_1	S92	0.7	0.733	0.007	0.0048	
2880 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
2880 minute winter	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
2880 minute winter	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
2880 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
2880 minute winter	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 30 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	2220	-0.179	0.059	0.3	0.1044	0.0000	OK
4320 minute summer	S25	2220	-0.179	0.065	0.3	0.1655	0.0000	OK
4320 minute summer	S16	2220	-0.179	0.088	2.5	0.3900	0.0000	OK
4320 minute summer	S145	2220	-0.182	0.133	4.9	0.5740	0.0000	OK
4320 minute summer	S4	2220	-0.182	0.061	0.5	0.1072	0.0000	OK
4320 minute summer	S5	2220	-0.183	0.101	1.2	0.1791	0.0000	OK
4320 minute summer	S9	2220	-0.183	0.113	0.4	0.2605	0.0000	OK
4320 minute summer	S10	2220	-0.183	0.138	0.4	0.2439	0.0000	OK
4320 minute summer	S11	2220	-0.183	0.143	1.5	0.2527	0.0000	OK
4320 minute summer	S12	2220	-0.183	0.152	1.8	0.2685	0.0000	OK
4320 minute summer	S1	2220	-0.181	0.083	1.6	0.1959	0.0000	OK
4320 minute summer	S3	2220	-0.182	0.125	2.6	0.3996	0.0000	OK
4320 minute summer	S2	2220	-0.183	0.153	3.0	0.2706	0.0000	OK
4320 minute summer	S14	2220	-0.183	0.126	0.1	0.2224	0.0000	OK
4320 minute summer	S15	2220	-0.183	0.163	6.5	0.7329	0.0000	OK
4320 minute summer	S75	2220	-0.185	0.177	11.6	0.4514	0.0000	OK
4320 minute summer	S87	2220	-0.186	0.100	1.1	0.3238	0.0000	OK
4320 minute summer	S88	2220	-0.186	0.122	2.2	0.3964	0.0000	OK
4320 minute summer	S89	2220	-0.187	0.143	3.3	0.4636	0.0000	OK
4320 minute summer	S90	2220	-0.188	0.164	4.3	0.5236	0.0000	OK
4320 minute summer	S92	2220	-0.188	0.191	16.6	0.4849	0.0000	OK
4320 minute summer	S81	2220	-0.192	0.110	1.1	0.3538	0.0000	OK
4320 minute summer	S82	2220	-0.193	0.131	2.2	0.4266	0.0000	OK
4320 minute summer	S83	2220	-0.193	0.152	3.3	0.4906	0.0000	OK
4320 minute summer	S84	2220	-0.194	0.173	4.3	0.5501	0.0000	OK
4320 minute summer	S86	2220	-0.194	0.199	20.8	0.5058	0.0000	OK
4320 minute summer	S76	2220	-0.201	0.116	1.1	0.3729	0.0000	OK
4320 minute summer	S77	2220	-0.201	0.138	2.2	0.4456	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S26	1.000	S16	0.3	0.047	0.005	0.9869	
4320 minute summer	S25	2.000	S16	0.3	0.042	0.004	0.8304	
4320 minute summer	S16	1.001	S145	2.4	0.122	0.034	2.8890	
4320 minute summer	S145	1.002	S75	4.9	0.120	0.069	4.6050	
4320 minute summer	S4	3.000	S5	0.5	0.075	0.007	1.6298	
4320 minute summer	S5	3.001	S11	1.1	0.101	0.016	2.8939	
4320 minute summer	S9	4.000	S10	0.4	0.061	0.006	1.8408	
4320 minute summer	S10	4.001	S11	0.4	0.040	0.006	0.3673	
4320 minute summer	S11	3.002	S12	1.6	0.086	0.023	0.8191	
4320 minute summer	S12	3.003	S15	1.8	0.059	0.026	1.1478	
4320 minute summer	S1	5.000	S3	1.6	0.105	0.022	2.3867	
4320 minute summer	S3	5.001	S2	2.6	0.105	0.037	2.4173	
4320 minute summer	S2	5.002	S15	3.0	0.088	0.044	1.0700	
4320 minute summer	S14	6.000	S15	-0.1	-0.002	-0.001	3.2931	
4320 minute summer	S15	3.004	S75	6.5	0.120	0.091	1.7195	
4320 minute summer	S75	1.003	S92	11.6	0.191	0.163	2.0524	
4320 minute summer	S87	7.000	S88	1.1	0.090	0.015	1.3144	
4320 minute summer	S88	7.001	S89	2.2	0.110	0.030	1.6873	
4320 minute summer	S89	7.002	S90	3.2	0.109	0.045	2.0750	
4320 minute summer	S90	7.003	S92	4.3	0.083	0.061	3.1684	
4320 minute summer	S92	1.005	S86	16.5	0.252	0.233	1.8270	
4320 minute summer	S81	8.000	S82	1.1	0.086	0.015	1.4804	
4320 minute summer	S82	8.001	S83	2.2	0.103	0.031	1.8550	
4320 minute summer	S83	8.002	S84	3.2	0.103	0.045	2.2421	
4320 minute summer	S84	8.003	S86	4.3	0.074	0.060	3.2019	
4320 minute summer	S86	1.006	S30	20.8	0.302	0.293	1.9162	
4320 minute summer	S76	9.000	S77	1.1	0.082	0.015	1.5921	
4320 minute summer	S77	9.001	S78	2.2	0.096	0.030	1.9820	

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Results for 30 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S78	2220	-0.202	0.159	3.3	0.5126	0.0000	OK
4320 minute summer	S79	2220	-0.202	0.180	4.3	0.5687	0.0000	OK
4320 minute summer	S30	2220	-0.203	0.204	25.4	0.5203	0.0000	OK
4320 minute summer	S31	2220	-0.215	0.121	1.2	0.4008	0.0000	OK
4320 minute summer	S32	2220	-0.215	0.164	2.2	0.5058	0.0000	OK
4320 minute summer	S33	2220	-0.215	0.208	27.8	0.5282	0.0000	OK
4320 minute summer	S34	2220	-0.231	0.208	28.3	0.3677	0.0000	OK
4320 minute summer	S35	5160	-0.232	0.234	28.4	0.4129	0.0000	OK
4320 minute summer	S36	5160	-0.232	0.210	0.5	0.3705	0.0000	OK
4320 minute summer	S37	5160	-0.232	0.239	30.8	1.1732	0.0000	OK
4320 minute summer	S38	5160	-0.232	0.284	30.8	0.5014	0.0000	OK
4320 minute summer	S39	5160	-0.232	0.330	30.7	0.5826	0.0000	OK
4320 minute summer	S56	5160	-0.232	0.327	0.2	0.5772	0.0000	OK
4320 minute summer	S57	5160	-0.232	0.333	30.6	0.8467	0.0000	OK
4320 minute summer	S125	5160	-0.232	0.323	0.1	0.5703	0.0000	OK
4320 minute summer	S127	5160	-0.232	0.347	30.6	0.8824	0.0000	OK
4320 minute summer	S119	5100	-0.232	0.337	0.1	0.5950	0.0000	OK
4320 minute summer	S60	5160	-0.232	0.361	30.4	0.9179	0.0000	OK
4320 minute summer	Pond Inlet 1	4680	-0.233	0.377	30.3	0.6670	0.0000	OK
4320 minute summer	Pond Outlet	4680	-0.233	0.377	15.1	0.4269	0.0000	SURCHARGED
4320 minute summer	S13	4740	-0.232	0.406	0.1	1.4048	0.0000	SURCHARGED
4320 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S26	2280	0.514	0.014	0.3	0.2027	0.0000	OK
4320 minute summer	PP-S25	2220	0.512	0.012	0.3	0.1335	0.0000	OK
4320 minute summer	PP-S16	2220	0.514	0.014	0.5	0.1986	0.0000	OK
4320 minute summer	PP-S145	2220	0.514	0.014	0.6	0.2022	0.0000	OK
4320 minute summer	PP-S4	2220	0.515	0.015	0.5	0.2272	0.0000	OK
4320 minute summer	PP-S1	2220	0.521	0.021	1.2	3.9948	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S78	9.002	S79	3.2	0.098	0.046	2.3743	
4320 minute summer	S79	9.003	S30	4.3	0.068	0.060	3.1357	
4320 minute summer	S30	1.007	S33	25.3	0.358	0.356	2.2406	
4320 minute summer	S31	10.000	S32	1.2	0.085	0.017	3.7275	
4320 minute summer	S32	10.001	S33	2.1	0.039	0.030	5.3295	
4320 minute summer	S33	1.008	S34	27.7	0.387	0.393	2.3071	
4320 minute summer	S34	1.009	S35	28.3	0.390	0.398	4.1387	
4320 minute summer	S35	1.010	S37	28.3	0.390	0.427	0.9541	
4320 minute summer	S36	11.000	S37	0.5	-0.037	0.007	4.5384	
4320 minute summer	S37	1.011	S38	30.8	0.425	0.435	8.6205	
4320 minute summer	S38	1.012	S39	30.7	0.415	0.429	10.3895	
4320 minute summer	S39	1.013	S57	30.6	0.415	0.483	0.9325	
4320 minute summer	S56	12.011	S57	-0.2	-0.064	-0.002	1.6218	
4320 minute summer	S57	1.014	S127	30.6	0.427	0.432	3.6040	
4320 minute summer	S125	21.003	S127	-0.1	-0.001	-0.001	6.2340	
4320 minute summer	S127	1.015	S60	30.4	0.438	0.427	3.7003	
4320 minute summer	S119	22.003	S60	-0.1	-0.001	-0.001	6.4965	
4320 minute summer	S60	1.016	Pond Inlet 1	30.3	0.458	0.400	4.1500	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	15.1	0.008	0.000	2016.8428	
4320 minute summer	Pond Outlet	1.018	S13	0.1	0.084	0.001	0.4779	
4320 minute summer	S13	Pump	Final Outfall	0.0				0.0
4320 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
4320 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
4320 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
4320 minute summer	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
4320 minute summer	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
4320 minute summer	PP-S1	4.000_1	S1	1.2	0.634	0.018	0.0092	

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Results for 30 year 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	PP-S5	2220	0.516	0.016	0.7	0.2748	0.0000	OK
4320 minute summer	PP-S12	2220	0.510	0.010	0.3	0.1375	0.0000	OK
4320 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S2	2220	0.511	0.011	0.4	0.2720	0.0000	OK
4320 minute summer	PP-S15	2160	0.510	0.010	0.3	0.0947	0.0000	OK
4320 minute summer	PP-S75	2220	0.509	0.009	0.3	0.1051	0.0000	OK
4320 minute summer	PP-S24	2220	0.514	0.014	0.7	0.2394	0.0000	OK
4320 minute summer	PP-S30	2220	0.509	0.009	0.3	0.0999	0.0000	OK
4320 minute summer	PP-S33	2160	0.509	0.009	0.3	0.0814	0.0000	OK
4320 minute summer	PP-S34	2220	0.512	0.012	0.6	0.2005	0.0000	OK
4320 minute summer	PP-S35	2040	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute summer	PP-S36	2220	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
4320 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
4320 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute summer	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
4320 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
4320 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
4320 minute summer	PP-S24	14.000_1	S92	0.7	0.733	0.007	0.0048	
4320 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
4320 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
4320 minute summer	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
4320 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
4320 minute summer	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 30 year 4320 minute winter. 5760 minute analysis at 60 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
4320 minute winter	S26	4920	-0.192	0.046	0.3	0.0813	0.0000	OK
4320 minute winter	S25	4380	-0.192	0.052	0.2	0.1324	0.0000	OK
4320 minute winter	S16	4440	-0.192	0.075	1.9	0.3326	0.0000	OK
4320 minute winter	S145	4500	-0.192	0.123	3.8	0.5298	0.0000	OK
4320 minute winter	S4	4620	-0.192	0.051	0.4	0.0903	0.0000	OK
4320 minute winter	S5	4380	-0.192	0.092	0.9	0.1626	0.0000	OK
4320 minute winter	S9	4620	-0.192	0.104	0.3	0.2399	0.0000	OK
4320 minute winter	S10	4440	-0.192	0.129	0.3	0.2280	0.0000	OK
4320 minute winter	S11	4440	-0.192	0.134	1.2	0.2368	0.0000	OK
4320 minute winter	S12	4560	-0.192	0.143	1.4	0.2527	0.0000	OK
4320 minute winter	S1	4380	-0.192	0.072	1.2	0.1697	0.0000	OK
4320 minute winter	S3	4440	-0.192	0.115	2.0	0.3679	0.0000	OK
4320 minute winter	S2	4500	-0.192	0.144	2.3	0.2545	0.0000	OK
4320 minute winter	S14	4440	-0.192	0.117	0.2	0.2068	0.0000	OK
4320 minute winter	S15	4380	-0.192	0.154	5.0	0.6932	0.0000	OK
4320 minute winter	S75	4560	-0.192	0.170	8.9	0.4327	0.0000	OK
4320 minute winter	S87	4320	-0.192	0.094	0.8	0.3059	0.0000	OK
4320 minute winter	S88	4380	-0.192	0.116	1.6	0.3784	0.0000	OK
4320 minute winter	S89	4380	-0.192	0.138	2.4	0.4476	0.0000	OK
4320 minute winter	S90	4380	-0.192	0.160	3.2	0.5099	0.0000	OK
4320 minute winter	S92	4560	-0.192	0.187	12.6	0.4760	0.0000	OK
4320 minute winter	S81	4380	-0.192	0.110	0.8	0.3556	0.0000	OK
4320 minute winter	S82	4440	-0.192	0.132	1.6	0.4289	0.0000	OK
4320 minute winter	S83	4440	-0.192	0.153	2.4	0.4942	0.0000	OK
4320 minute winter	S84	4320	-0.192	0.175	3.2	0.5556	0.0000	OK
4320 minute winter	S86	4320	-0.192	0.201	15.8	0.5117	0.0000	OK
4320 minute winter	S76	4440	-0.192	0.125	0.8	0.4022	0.0000	OK
4320 minute winter	S77	4440	-0.192	0.147	1.6	0.4754	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S26	1.000	S16	0.3	0.047	0.004	0.7485	
4320 minute winter	S25	2.000	S16	0.2	0.039	0.003	0.6359	
4320 minute winter	S16	1.001	S145	1.9	0.125	0.026	2.4805	
4320 minute winter	S145	1.002	S75	3.8	0.119	0.054	4.2552	
4320 minute winter	S4	3.000	S5	0.4	0.075	0.006	1.3697	
4320 minute winter	S5	3.001	S11	0.9	0.100	0.013	2.5969	
4320 minute winter	S9	4.000	S10	0.3	0.061	0.004	1.6594	
4320 minute winter	S10	4.001	S11	0.3	0.040	0.004	0.3350	
4320 minute winter	S11	3.002	S12	1.2	0.086	0.017	0.7509	
4320 minute winter	S12	3.003	S15	1.4	0.059	0.020	1.0599	
4320 minute winter	S1	5.000	S3	1.2	0.103	0.017	2.0581	
4320 minute winter	S3	5.001	S2	2.0	0.105	0.028	2.1914	
4320 minute winter	S2	5.002	S15	2.3	0.088	0.034	0.9876	
4320 minute winter	S14	6.000	S15	-0.2	-0.005	-0.003	3.0198	
4320 minute winter	S15	3.004	S75	5.0	0.122	0.070	1.6098	
4320 minute winter	S75	1.003	S92	8.9	0.186	0.125	1.9724	
4320 minute winter	S87	7.000	S88	0.8	0.091	0.011	1.2227	
4320 minute winter	S88	7.001	S89	1.6	0.107	0.022	1.5949	
4320 minute winter	S89	7.002	S90	2.4	0.106	0.034	1.9898	
4320 minute winter	S90	7.003	S92	3.2	0.116	0.046	3.0752	
4320 minute winter	S92	1.005	S86	12.6	0.240	0.177	1.8196	
4320 minute winter	S81	8.000	S82	0.8	0.085	0.011	1.4914	
4320 minute winter	S82	8.001	S83	1.6	0.103	0.023	1.8716	
4320 minute winter	S83	8.002	S84	2.4	0.103	0.034	2.2684	
4320 minute winter	S84	8.003	S86	3.2	0.113	0.045	3.2482	
4320 minute winter	S86	1.006	S30	15.8	0.285	0.222	1.9971	
4320 minute winter	S76	9.000	S77	0.8	0.080	0.011	1.7543	
4320 minute winter	S77	9.001	S78	1.6	0.095	0.022	2.1548	

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Results for 30 year 4320 minute winter. 5760 minute analysis at 60 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
4320 minute winter	S78	4620	-0.192	0.169	2.4	0.5433	0.0000	OK
4320 minute winter	S79	4320	-0.192	0.190	3.2	0.6006	0.0000	OK
4320 minute winter	S30	4320	-0.192	0.215	19.2	0.5474	0.0000	OK
4320 minute winter	S31	4440	-0.192	0.144	0.9	0.4774	0.0000	OK
4320 minute winter	S32	4320	-0.192	0.187	1.7	0.5777	0.0000	OK
4320 minute winter	S33	4500	-0.192	0.231	21.0	0.5881	0.0000	OK
4320 minute winter	S34	4500	-0.192	0.247	21.5	0.4365	0.0000	OK
4320 minute winter	S35	4500	-0.192	0.274	21.6	0.4842	0.0000	OK
4320 minute winter	S36	4440	-0.192	0.250	0.4	0.4418	0.0000	OK
4320 minute winter	S37	4500	-0.192	0.279	23.3	1.3718	0.0000	OK
4320 minute winter	S38	4440	-0.192	0.324	23.3	0.5726	0.0000	OK
4320 minute winter	S39	4320	-0.192	0.370	23.3	0.6541	0.0000	OK
4320 minute winter	S56	4320	-0.192	0.367	0.0	0.6489	0.0000	OK
4320 minute winter	S57	4320	-0.192	0.373	23.2	0.9498	0.0000	OK
4320 minute winter	S125	4320	-0.192	0.363	0.1	0.6418	0.0000	OK
4320 minute winter	S127	4320	-0.192	0.387	23.1	0.9856	0.0000	OK
4320 minute winter	S119	4320	-0.192	0.377	0.2	0.6664	0.0000	OK
4320 minute winter	S60	4320	-0.192	0.401	23.0	1.0211	0.0000	OK
4320 minute winter	Pond Inlet 1	4320	-0.192	0.418	22.9	0.7388	0.0000	OK
4320 minute winter	Pond Outlet	4500	-0.192	0.418	11.4	0.4727	0.0000	SURCHARGED
4320 minute winter	S13	4620	-0.192	0.446	0.1	1.5451	0.0000	SURCHARGED
4320 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S26	2220	0.514	0.014	0.3	0.2027	0.0000	OK
4320 minute winter	PP-S25	1860	0.510	0.010	0.2	0.0943	0.0000	OK
4320 minute winter	PP-S16	2100	0.513	0.013	0.4	0.1619	0.0000	OK
4320 minute winter	PP-S145	2220	0.513	0.013	0.5	0.1714	0.0000	OK
4320 minute winter	PP-S4	2220	0.514	0.014	0.4	0.1852	0.0000	OK
4320 minute winter	PP-S1	2340	0.519	0.019	0.9	3.1229	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S78	9.002	S79	2.4	0.097	0.034	2.5604	
4320 minute winter	S79	9.003	S30	3.2	0.097	0.045	3.3596	
4320 minute winter	S30	1.007	S33	19.2	0.335	0.269	2.4832	
4320 minute winter	S31	10.000	S32	0.9	0.088	0.013	4.5732	
4320 minute winter	S32	10.001	S33	1.7	0.079	0.023	6.2239	
4320 minute winter	S33	1.008	S34	21.0	0.361	0.297	2.7590	
4320 minute winter	S34	1.009	S35	21.5	0.361	0.302	5.1074	
4320 minute winter	S35	1.010	S37	21.6	0.360	0.324	1.1571	
4320 minute winter	S36	11.000	S37	0.4	0.011	0.005	5.5729	
4320 minute winter	S37	1.011	S38	23.3	0.389	0.330	10.1938	
4320 minute winter	S38	1.012	S39	23.3	0.374	0.325	11.8343	
4320 minute winter	S39	1.013	S57	23.2	0.370	0.366	1.0441	
4320 minute winter	S56	12.011	S57	0.1	-0.003	0.002	1.8180	
4320 minute winter	S57	1.014	S127	23.1	0.380	0.327	4.0101	
4320 minute winter	S125	21.003	S127	0.5	-0.017	0.008	6.9599	
4320 minute winter	S127	1.015	S60	23.0	0.390	0.323	4.0749	
4320 minute winter	S119	22.003	S60	0.5	-0.066	0.008	7.1787	
4320 minute winter	S60	1.016	Pond Inlet 1	22.9	0.424	0.302	4.5168	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.4	0.008	0.000	2249.0649	
4320 minute winter	Pond Outlet	1.018	S13	-0.1	0.063	-0.001	0.4779	
4320 minute winter	S13	Pump	Final Outfall	0.0				0.0
4320 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
4320 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
4320 minute winter	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
4320 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
4320 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
4320 minute winter	PP-S1	4.000_1	S1	0.9	0.585	0.014	0.0077	

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Results for 30 year 4320 minute winter. 5760 minute analysis at 60 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
4320 minute winter	PP-S5	2040	0.513	0.013	0.5	0.2037	0.0000	OK
4320 minute winter	PP-S12	1980	0.508	0.008	0.2	0.0962	0.0000	OK
4320 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S2	2160	0.510	0.010	0.3	0.2120	0.0000	OK
4320 minute winter	PP-S15	1860	0.508	0.008	0.2	0.0668	0.0000	OK
4320 minute winter	PP-S75	1860	0.508	0.008	0.2	0.0739	0.0000	OK
4320 minute winter	PP-S24	2040	0.512	0.012	0.5	0.1774	0.0000	OK
4320 minute winter	PP-S30	1920	0.507	0.007	0.2	0.0702	0.0000	OK
4320 minute winter	PP-S33	1740	0.507	0.007	0.2	0.0576	0.0000	OK
4320 minute winter	PP-S34	2220	0.511	0.011	0.5	0.1713	0.0000	OK
4320 minute winter	PP-S35	1920	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute winter	PP-S36	2220	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
4320 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
4320 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
4320 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
4320 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
4320 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
4320 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
4320 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
4320 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
4320 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
4320 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 30 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S26	2940	-0.200	0.038	0.3	0.0676	0.0000	OK
5760 minute summer	S25	2940	-0.200	0.044	0.2	0.1117	0.0000	OK
5760 minute summer	S16	2940	-0.200	0.067	2.0	0.2960	0.0000	OK
5760 minute summer	S145	2940	-0.204	0.111	4.0	0.4762	0.0000	OK
5760 minute summer	S4	2940	-0.205	0.038	0.4	0.0676	0.0000	OK
5760 minute summer	S5	2940	-0.206	0.078	1.0	0.1387	0.0000	OK
5760 minute summer	S9	2940	-0.206	0.090	0.3	0.2072	0.0000	OK
5760 minute summer	S10	2940	-0.206	0.115	0.3	0.2031	0.0000	OK
5760 minute summer	S11	2940	-0.206	0.120	1.3	0.2119	0.0000	OK
5760 minute summer	S12	2940	-0.206	0.129	1.5	0.2276	0.0000	OK
5760 minute summer	S1	2940	-0.203	0.061	1.3	0.1443	0.0000	OK
5760 minute summer	S3	2940	-0.205	0.102	2.2	0.3266	0.0000	OK
5760 minute summer	S2	2940	-0.206	0.130	2.4	0.2298	0.0000	OK
5760 minute summer	S14	2940	-0.206	0.103	0.1	0.1814	0.0000	OK
5760 minute summer	S15	2940	-0.206	0.140	5.3	0.6287	0.0000	OK
5760 minute summer	S75	2940	-0.208	0.154	9.4	0.3922	0.0000	OK
5760 minute summer	S87	2940	-0.209	0.077	0.9	0.2501	0.0000	OK
5760 minute summer	S88	2940	-0.209	0.099	1.8	0.3218	0.0000	OK
5760 minute summer	S89	2940	-0.210	0.120	2.7	0.3888	0.0000	OK
5760 minute summer	S90	2940	-0.211	0.141	3.6	0.4495	0.0000	OK
5760 minute summer	S92	2940	-0.212	0.167	13.4	0.4254	0.0000	OK
5760 minute summer	S81	2940	-0.215	0.087	0.9	0.2795	0.0000	OK
5760 minute summer	S82	2940	-0.216	0.108	1.8	0.3516	0.0000	OK
5760 minute summer	S83	2940	-0.216	0.129	2.7	0.4156	0.0000	OK
5760 minute summer	S84	5820	-0.217	0.150	3.6	0.4762	0.0000	OK
5760 minute summer	S86	6300	-0.217	0.176	16.9	0.4482	0.0000	OK
5760 minute summer	S76	6660	-0.217	0.100	0.9	0.3220	0.0000	OK
5760 minute summer	S77	6660	-0.217	0.122	1.8	0.3949	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S26	1.000	S16	0.3	0.048	0.004	0.6113	
5760 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.5217	
5760 minute summer	S16	1.001	S145	2.0	0.125	0.027	2.1212	
5760 minute summer	S145	1.002	S75	3.9	0.119	0.056	3.6996	
5760 minute summer	S4	3.000	S5	0.4	0.075	0.006	1.0303	
5760 minute summer	S5	3.001	S11	1.0	0.101	0.013	2.1639	
5760 minute summer	S9	4.000	S10	0.3	0.061	0.005	1.3834	
5760 minute summer	S10	4.001	S11	0.3	0.038	0.004	0.2857	
5760 minute summer	S11	3.002	S12	1.3	0.086	0.019	0.6461	
5760 minute summer	S12	3.003	S15	1.5	0.057	0.022	0.9215	
5760 minute summer	S1	5.000	S3	1.3	0.104	0.018	1.6998	
5760 minute summer	S3	5.001	S2	2.1	0.105	0.030	1.8798	
5760 minute summer	S2	5.002	S15	2.4	0.089	0.036	0.8600	
5760 minute summer	S14	6.000	S15	-0.1	-0.004	-0.002	2.5863	
5760 minute summer	S15	3.004	S75	5.3	0.119	0.074	1.4077	
5760 minute summer	S75	1.003	S92	9.4	0.188	0.133	1.7102	
5760 minute summer	S87	7.000	S88	0.9	0.091	0.012	0.9476	
5760 minute summer	S88	7.001	S89	1.8	0.107	0.025	1.2912	
5760 minute summer	S89	7.002	S90	2.7	0.107	0.037	1.6558	
5760 minute summer	S90	7.003	S92	3.5	0.098	0.050	2.6189	
5760 minute summer	S92	1.005	S86	13.4	0.243	0.188	1.5404	
5760 minute summer	S81	8.000	S82	0.9	0.085	0.012	1.0973	
5760 minute summer	S82	8.001	S83	1.8	0.105	0.025	1.4462	
5760 minute summer	S83	8.002	S84	2.7	0.103	0.037	1.8142	
5760 minute summer	S84	8.003	S86	3.5	0.084	0.050	2.6823	
5760 minute summer	S86	1.006	S30	16.9	0.289	0.238	1.6879	
5760 minute summer	S76	9.000	S77	0.9	0.080	0.012	1.3223	
5760 minute summer	S77	9.001	S78	1.8	0.098	0.025	1.7021	

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Results for 30 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S78	6300	-0.217	0.144	2.7	0.4632	0.0000	OK
5760 minute summer	S79	6300	-0.217	0.165	3.5	0.5216	0.0000	OK
5760 minute summer	S30	6300	-0.217	0.190	20.6	0.4839	0.0000	OK
5760 minute summer	S31	5880	-0.217	0.119	1.0	0.3946	0.0000	OK
5760 minute summer	S32	6660	-0.217	0.162	1.8	0.5006	0.0000	OK
5760 minute summer	S33	6300	-0.217	0.206	22.6	0.5246	0.0000	OK
5760 minute summer	S34	6300	-0.217	0.222	23.1	0.3925	0.0000	OK
5760 minute summer	S35	6780	-0.217	0.249	23.1	0.4402	0.0000	OK
5760 minute summer	S36	6780	-0.217	0.225	0.4	0.3979	0.0000	OK
5760 minute summer	S37	6780	-0.217	0.254	25.1	1.2492	0.0000	OK
5760 minute summer	S38	6660	-0.217	0.299	25.1	0.5285	0.0000	OK
5760 minute summer	S39	5820	-0.217	0.345	25.0	0.6100	0.0000	OK
5760 minute summer	S56	5820	-0.217	0.342	0.1	0.6047	0.0000	OK
5760 minute summer	S57	5820	-0.217	0.348	24.9	0.8862	0.0000	OK
5760 minute summer	S125	6660	-0.217	0.338	0.2	0.5975	0.0000	OK
5760 minute summer	S127	6300	-0.217	0.362	24.9	0.9215	0.0000	OK
5760 minute summer	S119	6300	-0.217	0.352	0.6	0.6222	0.0000	OK
5760 minute summer	S60	6480	-0.217	0.376	24.7	0.9571	0.0000	OK
5760 minute summer	Pond Inlet 1	5820	-0.217	0.393	24.6	0.6944	0.0000	OK
5760 minute summer	Pond Outlet	6120	-0.217	0.393	12.3	0.4445	0.0000	SURCHARGED
5760 minute summer	S13	6120	-0.217	0.421	0.1	1.4586	0.0000	SURCHARGED
5760 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S26	3000	0.514	0.014	0.3	0.2027	0.0000	OK
5760 minute summer	PP-S25	2700	0.510	0.010	0.2	0.0943	0.0000	OK
5760 minute summer	PP-S16	2880	0.513	0.013	0.4	0.1619	0.0000	OK
5760 minute summer	PP-S145	2940	0.513	0.013	0.5	0.1714	0.0000	OK
5760 minute summer	PP-S4	2940	0.514	0.014	0.4	0.1852	0.0000	OK
5760 minute summer	PP-S1	2940	0.519	0.019	1.0	3.3559	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S78	9.002	S79	2.6	0.103	0.038	2.0916	
5760 minute summer	S79	9.003	S30	3.5	0.076	0.049	2.8235	
5760 minute summer	S30	1.007	S33	20.6	0.341	0.289	2.1299	
5760 minute summer	S31	10.000	S32	1.0	0.084	0.014	3.6617	
5760 minute summer	S32	10.001	S33	1.8	0.043	0.025	5.2708	
5760 minute summer	S33	1.008	S34	22.6	0.368	0.320	2.3985	
5760 minute summer	S34	1.009	S35	23.0	0.369	0.324	4.5101	
5760 minute summer	S35	1.010	S37	23.1	0.367	0.348	1.0323	
5760 minute summer	S36	11.000	S37	0.4	-0.043	0.005	4.9370	
5760 minute summer	S37	1.011	S38	25.1	0.396	0.355	9.2289	
5760 minute summer	S38	1.012	S39	25.0	0.378	0.350	10.9561	
5760 minute summer	S39	1.013	S57	24.9	0.369	0.393	0.9773	
5760 minute summer	S56	12.011	S57	0.1	0.001	0.001	1.7003	
5760 minute summer	S57	1.014	S127	24.9	0.372	0.352	3.7665	
5760 minute summer	S125	21.003	S127	0.2	-0.002	0.003	6.5225	
5760 minute summer	S127	1.015	S60	24.7	0.374	0.347	3.8518	
5760 minute summer	S119	22.003	S60	0.6	-0.004	0.008	6.7723	
5760 minute summer	S60	1.016	Pond Inlet 1	24.6	0.379	0.325	4.3022	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	12.3	0.007	0.000	2105.0208	
5760 minute summer	Pond Outlet	1.018	S13	0.1	0.040	0.001	0.4779	
5760 minute summer	S13	Pump	Final Outfall	0.0				0.0
5760 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
5760 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
5760 minute summer	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
5760 minute summer	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
5760 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
5760 minute summer	PP-S1	4.000_1	S1	1.0	0.599	0.015	0.0081	

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Results for 30 year 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP-S5	2940	0.515	0.015	0.6	0.2410	0.0000	OK
5760 minute summer	PP-S12	2820	0.508	0.008	0.2	0.0962	0.0000	OK
5760 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S2	2940	0.510	0.010	0.3	0.2120	0.0000	OK
5760 minute summer	PP-S15	2700	0.508	0.008	0.2	0.0668	0.0000	OK
5760 minute summer	PP-S75	2760	0.508	0.008	0.2	0.0739	0.0000	OK
5760 minute summer	PP-S24	2940	0.513	0.013	0.6	0.2082	0.0000	OK
5760 minute summer	PP-S30	2760	0.507	0.007	0.2	0.0702	0.0000	OK
5760 minute summer	PP-S33	2940	0.509	0.009	0.3	0.0814	0.0000	OK
5760 minute summer	PP-S34	2880	0.511	0.011	0.5	0.1713	0.0000	OK
5760 minute summer	PP-S35	2760	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute summer	PP-S36	2940	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
5760 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
5760 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
5760 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
5760 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
5760 minute summer	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
5760 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
5760 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
5760 minute summer	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
5760 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute summer	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 30 year 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S26	5820	-0.178	0.060	0.2	0.1059	0.0000	OK
5760 minute winter	S25	5820	-0.178	0.066	0.2	0.1677	0.0000	OK
5760 minute winter	S16	5820	-0.178	0.089	1.5	0.3944	0.0000	OK
5760 minute winter	S145	5820	-0.178	0.137	3.0	0.5898	0.0000	OK
5760 minute winter	S4	5880	-0.178	0.065	0.3	0.1150	0.0000	OK
5760 minute winter	S5	5820	-0.178	0.106	0.7	0.1872	0.0000	OK
5760 minute winter	S9	5880	-0.178	0.118	0.2	0.2719	0.0000	OK
5760 minute winter	S10	5880	-0.178	0.143	0.2	0.2525	0.0000	OK
5760 minute winter	S11	5820	-0.178	0.148	0.9	0.2613	0.0000	OK
5760 minute winter	S12	5820	-0.178	0.157	1.1	0.2773	0.0000	OK
5760 minute winter	S1	5820	-0.178	0.086	1.0	0.2024	0.0000	OK
5760 minute winter	S3	5940	-0.178	0.129	1.6	0.4123	0.0000	OK
5760 minute winter	S2	5820	-0.178	0.158	1.8	0.2790	0.0000	OK
5760 minute winter	S14	5940	-0.178	0.131	0.2	0.2314	0.0000	OK
5760 minute winter	S15	5940	-0.178	0.168	4.0	0.7557	0.0000	OK
5760 minute winter	S75	5940	-0.178	0.184	7.2	0.4681	0.0000	OK
5760 minute winter	S87	5700	-0.178	0.108	0.6	0.3513	0.0000	OK
5760 minute winter	S88	5820	-0.178	0.130	1.3	0.4240	0.0000	OK
5760 minute winter	S89	5820	-0.178	0.152	2.0	0.4927	0.0000	OK
5760 minute winter	S90	5880	-0.178	0.174	2.6	0.5542	0.0000	OK
5760 minute winter	S92	5880	-0.178	0.201	10.1	0.5114	0.0000	OK
5760 minute winter	S81	6120	-0.178	0.124	0.6	0.4004	0.0000	OK
5760 minute winter	S82	5880	-0.178	0.146	1.3	0.4739	0.0000	OK
5760 minute winter	S83	6000	-0.178	0.167	2.0	0.5389	0.0000	OK
5760 minute winter	S84	6000	-0.178	0.189	2.6	0.5994	0.0000	OK
5760 minute winter	S86	6000	-0.178	0.215	12.7	0.5470	0.0000	OK
5760 minute winter	S76	5880	-0.178	0.139	0.6	0.4470	0.0000	OK
5760 minute winter	S77	5880	-0.178	0.161	1.3	0.5206	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S26	1.000	S16	0.2	0.049	0.003	1.0044	
5760 minute winter	S25	2.000	S16	0.2	0.040	0.003	0.8446	
5760 minute winter	S16	1.001	S145	1.5	0.124	0.021	2.9766	
5760 minute winter	S145	1.002	S75	3.0	0.119	0.043	4.8123	
5760 minute winter	S4	3.000	S5	0.3	0.075	0.004	1.7570	
5760 minute winter	S5	3.001	S11	0.7	0.101	0.010	3.0497	
5760 minute winter	S9	4.000	S10	0.2	0.060	0.003	1.9417	
5760 minute winter	S10	4.001	S11	0.2	0.035	0.003	0.3849	
5760 minute winter	S11	3.002	S12	0.9	0.085	0.013	0.8567	
5760 minute winter	S12	3.003	S15	1.1	0.055	0.016	1.1977	
5760 minute winter	S1	5.000	S3	1.0	0.105	0.014	2.4955	
5760 minute winter	S3	5.001	S2	1.6	0.102	0.022	2.5224	
5760 minute winter	S2	5.002	S15	1.8	0.085	0.026	1.1155	
5760 minute winter	S14	6.000	S15	-0.2	-0.005	-0.003	3.4524	
5760 minute winter	S15	3.004	S75	4.0	0.121	0.055	1.7990	
5760 minute winter	S75	1.003	S92	7.2	0.184	0.101	2.1790	
5760 minute winter	S87	7.000	S88	0.6	0.090	0.008	1.4558	
5760 minute winter	S88	7.001	S89	1.3	0.107	0.018	1.8434	
5760 minute winter	S89	7.002	S90	2.0	0.109	0.028	2.2475	
5760 minute winter	S90	7.003	S92	2.6	0.095	0.037	3.4087	
5760 minute winter	S92	1.005	S86	10.1	0.232	0.142	1.9918	
5760 minute winter	S81	8.000	S82	0.6	0.082	0.008	1.7346	
5760 minute winter	S82	8.001	S83	1.3	0.105	0.019	2.1249	
5760 minute winter	S83	8.002	S84	2.0	0.103	0.028	2.5298	
5760 minute winter	S84	8.003	S86	2.6	0.084	0.036	3.5659	
5760 minute winter	S86	1.006	S30	12.6	0.271	0.178	2.1701	
5760 minute winter	S76	9.000	S77	0.6	0.079	0.008	2.0070	
5760 minute winter	S77	9.001	S78	1.3	0.099	0.018	2.4170	

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Results for 30 year 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S78	5760	-0.178	0.183	2.0	0.5883	0.0000	OK
5760 minute winter	S79	5760	-0.178	0.204	2.6	0.6444	0.0000	OK
5760 minute winter	S30	6000	-0.178	0.229	15.4	0.5826	0.0000	OK
5760 minute winter	S31	5880	-0.178	0.158	0.7	0.5232	0.0000	OK
5760 minute winter	S32	5760	-0.178	0.201	1.3	0.6208	0.0000	OK
5760 minute winter	S33	5700	-0.178	0.245	16.9	0.6234	0.0000	OK
5760 minute winter	S34	5700	-0.178	0.261	17.3	0.4610	0.0000	OK
5760 minute winter	S35	5880	-0.178	0.288	17.4	0.5088	0.0000	OK
5760 minute winter	S36	5880	-0.178	0.264	0.3	0.4664	0.0000	OK
5760 minute winter	S37	5880	-0.178	0.293	18.7	1.4402	0.0000	OK
5760 minute winter	S38	5880	-0.178	0.338	18.7	0.5971	0.0000	OK
5760 minute winter	S39	5760	-0.178	0.384	18.6	0.6787	0.0000	OK
5760 minute winter	S56	5760	-0.178	0.381	0.1	0.6734	0.0000	OK
5760 minute winter	S57	5760	-0.178	0.387	18.6	0.9852	0.0000	OK
5760 minute winter	S125	5760	-0.178	0.377	0.4	0.6664	0.0000	OK
5760 minute winter	S127	5760	-0.178	0.401	18.5	1.0206	0.0000	OK
5760 minute winter	S119	5760	-0.178	0.391	0.3	0.6908	0.0000	OK
5760 minute winter	S60	5820	-0.178	0.415	18.4	1.0561	0.0000	OK
5760 minute winter	Pond Inlet 1	5700	-0.178	0.432	18.3	0.7631	0.0000	OK
5760 minute winter	Pond Outlet	5760	-0.178	0.432	9.1	0.4884	0.0000	SURCHARGED
5760 minute winter	S13	5700	-0.178	0.460	0.1	1.5930	0.0000	SURCHARGED
5760 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S26	2580	0.512	0.012	0.2	0.1403	0.0000	OK
5760 minute winter	PP-S25	2700	0.510	0.010	0.2	0.0943	0.0000	OK
5760 minute winter	PP-S16	2580	0.511	0.011	0.3	0.1261	0.0000	OK
5760 minute winter	PP-S145	2940	0.511	0.011	0.4	0.1411	0.0000	OK
5760 minute winter	PP-S4	2760	0.512	0.012	0.3	0.1429	0.0000	OK
5760 minute winter	PP-S1	3180	0.517	0.017	0.7	2.4731	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S78	9.002	S79	2.0	0.099	0.028	2.8277	
5760 minute winter	S79	9.003	S30	2.6	0.077	0.036	3.6598	
5760 minute winter	S30	1.007	S33	15.4	0.317	0.216	2.6799	
5760 minute winter	S31	10.000	S32	0.7	0.087	0.010	5.0952	
5760 minute winter	S32	10.001	S33	1.3	0.058	0.018	6.7588	
5760 minute winter	S33	1.008	S34	16.9	0.340	0.239	2.9586	
5760 minute winter	S34	1.009	S35	17.3	0.337	0.243	5.4343	
5760 minute winter	S35	1.010	S37	17.3	0.335	0.261	1.2254	
5760 minute winter	S36	11.000	S37	-0.3	0.011	-0.005	5.9240	
5760 minute winter	S37	1.011	S38	18.7	0.361	0.265	10.7144	
5760 minute winter	S38	1.012	S39	18.6	0.338	0.261	12.2879	
5760 minute winter	S39	1.013	S57	18.6	0.331	0.293	1.0780	
5760 minute winter	S56	12.011	S57	-0.1	-0.003	-0.002	1.8777	
5760 minute winter	S57	1.014	S127	18.5	0.337	0.262	4.1302	
5760 minute winter	S125	21.003	S127	-0.4	-0.017	-0.005	7.1777	
5760 minute winter	S127	1.015	S60	18.4	0.342	0.258	4.1808	
5760 minute winter	S119	22.003	S60	-0.3	-0.022	-0.005	7.3750	
5760 minute winter	S60	1.016	Pond Inlet 1	18.3	0.379	0.241	4.6123	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	9.1	0.008	0.000	2328.8142	
5760 minute winter	Pond Outlet	1.018	S13	0.1	0.066	0.001	0.4779	
5760 minute winter	S13	Pump	Final Outfall	0.0				0.0
5760 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
5760 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
5760 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
5760 minute winter	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
5760 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
5760 minute winter	PP-S1	4.000_1	S1	0.7	0.542	0.011	0.0065	

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Results for 30 year 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP-S5	2640	0.512	0.012	0.4	0.1671	0.0000	OK
5760 minute winter	PP-S12	2940	0.508	0.008	0.2	0.0962	0.0000	OK
5760 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S2	2460	0.508	0.008	0.2	0.1482	0.0000	OK
5760 minute winter	PP-S15	2700	0.508	0.008	0.2	0.0668	0.0000	OK
5760 minute winter	PP-S75	2760	0.508	0.008	0.2	0.0739	0.0000	OK
5760 minute winter	PP-S24	2640	0.510	0.010	0.4	0.1471	0.0000	OK
5760 minute winter	PP-S30	2880	0.507	0.007	0.2	0.0702	0.0000	OK
5760 minute winter	PP-S33	2580	0.507	0.007	0.2	0.0576	0.0000	OK
5760 minute winter	PP-S34	2940	0.510	0.010	0.4	0.1423	0.0000	OK
5760 minute winter	PP-S35	2820	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute winter	PP-S36	2700	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
5760 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
5760 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
5760 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
5760 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
5760 minute winter	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
5760 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
5760 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
5760 minute winter	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
5760 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 30 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S26	7560	-0.200	0.038	0.2	0.0672	0.0000	OK
7200 minute summer	S25	8040	-0.200	0.044	0.2	0.1121	0.0000	OK
7200 minute summer	S16	7560	-0.200	0.067	1.7	0.2971	0.0000	OK
7200 minute summer	S145	7560	-0.200	0.115	3.4	0.4952	0.0000	OK
7200 minute summer	S4	7560	-0.200	0.043	0.3	0.0762	0.0000	OK
7200 minute summer	S5	7560	-0.200	0.084	0.8	0.1485	0.0000	OK
7200 minute summer	S9	7500	-0.200	0.096	0.3	0.2213	0.0000	OK
7200 minute summer	S10	7560	-0.200	0.121	0.3	0.2138	0.0000	OK
7200 minute summer	S11	7560	-0.200	0.126	1.1	0.2227	0.0000	OK
7200 minute summer	S12	7560	-0.200	0.135	1.3	0.2385	0.0000	OK
7200 minute summer	S1	8040	-0.200	0.064	1.1	0.1508	0.0000	OK
7200 minute summer	S3	8280	-0.200	0.107	1.8	0.3421	0.0000	OK
7200 minute summer	S2	7560	-0.200	0.136	2.1	0.2403	0.0000	OK
7200 minute summer	S14	7200	-0.200	0.109	0.2	0.1930	0.0000	OK
7200 minute summer	S15	7560	-0.200	0.146	4.5	0.6571	0.0000	OK
7200 minute summer	S75	7560	-0.200	0.162	8.0	0.4123	0.0000	OK
7200 minute summer	S87	7200	-0.199	0.087	0.7	0.2829	0.0000	OK
7200 minute summer	S88	7200	-0.200	0.108	1.5	0.3526	0.0000	OK
7200 minute summer	S89	7740	-0.200	0.130	2.3	0.4216	0.0000	OK
7200 minute summer	S90	7740	-0.200	0.152	3.0	0.4842	0.0000	OK
7200 minute summer	S92	7560	-0.200	0.179	11.5	0.4556	0.0000	OK
7200 minute summer	S81	7560	-0.200	0.102	0.7	0.3298	0.0000	OK
7200 minute summer	S82	7560	-0.200	0.124	1.5	0.4025	0.0000	OK
7200 minute summer	S83	7440	-0.200	0.145	2.3	0.4680	0.0000	OK
7200 minute summer	S84	7260	-0.200	0.167	3.0	0.5299	0.0000	OK
7200 minute summer	S86	7740	-0.200	0.193	14.4	0.4912	0.0000	OK
7200 minute summer	S76	7560	-0.200	0.117	0.7	0.3763	0.0000	OK
7200 minute summer	S77	7560	-0.200	0.139	1.5	0.4494	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S26	1.000	S16	0.2	0.047	0.003	0.6117	
7200 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.5240	
7200 minute summer	S16	1.001	S145	1.7	0.120	0.024	2.2063	
7200 minute summer	S145	1.002	S75	3.4	0.119	0.048	3.9414	
7200 minute summer	S4	3.000	S5	0.3	0.078	0.004	1.1622	
7200 minute summer	S5	3.001	S11	0.8	0.101	0.011	2.3448	
7200 minute summer	S9	4.000	S10	0.3	0.060	0.004	1.5011	
7200 minute summer	S10	4.001	S11	0.3	0.036	0.004	0.3068	
7200 minute summer	S11	3.002	S12	1.1	0.084	0.016	0.6912	
7200 minute summer	S12	3.003	S15	1.4	0.055	0.020	0.9816	
7200 minute summer	S1	5.000	S3	1.1	0.103	0.016	1.8141	
7200 minute summer	S3	5.001	S2	1.8	0.103	0.026	2.0037	
7200 minute summer	S2	5.002	S15	2.1	0.087	0.030	0.9148	
7200 minute summer	S14	6.000	S15	-0.2	-0.005	-0.002	2.7745	
7200 minute summer	S15	3.004	S75	4.5	0.121	0.063	1.5021	
7200 minute summer	S75	1.003	S92	8.0	0.183	0.113	1.8543	
7200 minute summer	S87	7.000	S88	0.7	0.088	0.010	1.1009	
7200 minute summer	S88	7.001	S89	1.5	0.107	0.021	1.4560	
7200 minute summer	S89	7.002	S90	2.3	0.111	0.032	1.8439	
7200 minute summer	S90	7.003	S92	3.0	0.098	0.042	2.8853	
7200 minute summer	S92	1.005	S86	11.5	0.236	0.161	1.7207	
7200 minute summer	S81	8.000	S82	0.7	0.085	0.010	1.3544	
7200 minute summer	S82	8.001	S83	1.5	0.105	0.021	1.7254	
7200 minute summer	S83	8.002	S84	2.3	0.103	0.032	2.1172	
7200 minute summer	S84	8.003	S86	3.0	0.084	0.042	3.0636	
7200 minute summer	S86	1.006	S30	14.4	0.280	0.203	1.8967	
7200 minute summer	S76	9.000	S77	0.7	0.080	0.010	1.6116	
7200 minute summer	S77	9.001	S78	1.5	0.101	0.021	2.0063	

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Results for 30 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S78	7560	-0.200	0.161	2.3	0.5174	0.0000	OK
7200 minute summer	S79	7860	-0.200	0.182	3.0	0.5749	0.0000	OK
7200 minute summer	S30	7740	-0.200	0.207	17.5	0.5268	0.0000	OK
7200 minute summer	S31	7560	-0.200	0.136	0.8	0.4507	0.0000	OK
7200 minute summer	S32	7500	-0.200	0.179	1.5	0.5528	0.0000	OK
7200 minute summer	S33	7200	-0.200	0.223	19.2	0.5680	0.0000	OK
7200 minute summer	S34	7200	-0.200	0.239	19.6	0.4228	0.0000	OK
7200 minute summer	S35	7200	-0.200	0.266	19.6	0.4701	0.0000	OK
7200 minute summer	S36	7200	-0.200	0.242	0.3	0.4279	0.0000	OK
7200 minute summer	S37	7320	-0.200	0.271	21.2	1.3321	0.0000	OK
7200 minute summer	S38	7260	-0.200	0.316	21.2	0.5585	0.0000	OK
7200 minute summer	S39	7260	-0.200	0.362	21.1	0.6402	0.0000	OK
7200 minute summer	S56	7260	-0.200	0.359	0.1	0.6349	0.0000	OK
7200 minute summer	S57	7260	-0.200	0.365	21.0	0.9297	0.0000	OK
7200 minute summer	S125	7260	-0.200	0.355	0.3	0.6279	0.0000	OK
7200 minute summer	S127	7260	-0.200	0.379	21.0	0.9648	0.0000	OK
7200 minute summer	S119	7260	-0.200	0.369	0.2	0.6524	0.0000	OK
7200 minute summer	S60	7620	-0.200	0.393	20.9	1.0001	0.0000	OK
7200 minute summer	Pond Inlet 1	7260	-0.200	0.410	20.7	0.7246	0.0000	OK
7200 minute summer	Pond Outlet	7440	-0.200	0.410	10.4	0.4636	0.0000	SURCHARGED
7200 minute summer	S13	7440	-0.200	0.438	0.1	1.5173	0.0000	SURCHARGED
7200 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S26	3480	0.512	0.012	0.2	0.1403	0.0000	OK
7200 minute summer	PP-S25	3480	0.510	0.010	0.2	0.0943	0.0000	OK
7200 minute summer	PP-S16	3660	0.513	0.013	0.4	0.1619	0.0000	OK
7200 minute summer	PP-S145	3600	0.511	0.011	0.4	0.1411	0.0000	OK
7200 minute summer	PP-S4	3540	0.512	0.012	0.3	0.1429	0.0000	OK
7200 minute summer	PP-S1	3720	0.518	0.018	0.8	2.7885	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S78	9.002	S79	2.3	0.103	0.033	2.4069	
7200 minute summer	S79	9.003	S30	3.0	0.076	0.041	3.1842	
7200 minute summer	S30	1.007	S33	17.5	0.329	0.246	2.3690	
7200 minute summer	S31	10.000	S32	0.8	0.087	0.011	4.2771	
7200 minute summer	S32	10.001	S33	1.5	0.043	0.020	5.9147	
7200 minute summer	S33	1.008	S34	19.2	0.353	0.272	2.6457	
7200 minute summer	S34	1.009	S35	19.5	0.351	0.275	4.9195	
7200 minute summer	S35	1.010	S37	19.6	0.349	0.295	1.1172	
7200 minute summer	S36	11.000	S37	0.3	-0.043	0.004	5.3709	
7200 minute summer	S37	1.011	S38	21.2	0.371	0.300	9.8856	
7200 minute summer	S38	1.012	S39	21.1	0.342	0.295	11.5640	
7200 minute summer	S39	1.013	S57	21.0	0.329	0.332	1.0237	
7200 minute summer	S56	12.011	S57	0.1	0.001	0.001	1.7820	
7200 minute summer	S57	1.014	S127	21.0	0.329	0.297	3.9352	
7200 minute summer	S125	21.003	S127	0.4	0.003	0.005	6.8259	
7200 minute summer	S127	1.015	S60	20.9	0.320	0.293	4.0058	
7200 minute summer	S119	22.003	S60	0.3	0.002	0.004	7.0540	
7200 minute summer	S60	1.016	Pond Inlet 1	20.7	0.334	0.274	4.4520	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	10.4	0.007	0.000	2202.7532	
7200 minute summer	Pond Outlet	1.018	S13	0.1	0.040	0.001	0.4779	
7200 minute summer	S13	Pump	Final Outfall	0.0				0.0
7200 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
7200 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
7200 minute summer	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
7200 minute summer	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
7200 minute summer	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
7200 minute summer	PP-S1	4.000_1	S1	0.8	0.564	0.012	0.0071	

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Results for 30 year 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	PP-S5	3660	0.513	0.013	0.5	0.2037	0.0000	OK
7200 minute summer	PP-S12	3600	0.508	0.008	0.2	0.0962	0.0000	OK
7200 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S2	3660	0.510	0.010	0.3	0.2120	0.0000	OK
7200 minute summer	PP-S15	3480	0.508	0.008	0.2	0.0668	0.0000	OK
7200 minute summer	PP-S75	3540	0.508	0.008	0.2	0.0739	0.0000	OK
7200 minute summer	PP-S24	3660	0.512	0.012	0.5	0.1774	0.0000	OK
7200 minute summer	PP-S30	3600	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute summer	PP-S33	3360	0.507	0.007	0.2	0.0576	0.0000	OK
7200 minute summer	PP-S34	3600	0.510	0.010	0.4	0.1423	0.0000	OK
7200 minute summer	PP-S35	3540	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute summer	PP-S36	3480	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
7200 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
7200 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
7200 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
7200 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
7200 minute summer	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
7200 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
7200 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
7200 minute summer	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
7200 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
7200 minute summer	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 30 year 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S26	7200	-0.163	0.075	0.2	0.1327	0.0000	OK
7200 minute winter	S25	7020	-0.163	0.081	0.1	0.2063	0.0000	OK
7200 minute winter	S16	7200	-0.163	0.104	1.3	0.4615	0.0000	OK
7200 minute winter	S145	7020	-0.163	0.152	2.5	0.6546	0.0000	OK
7200 minute winter	S4	7260	-0.163	0.080	0.2	0.1417	0.0000	OK
7200 minute winter	S5	7260	-0.163	0.121	0.6	0.2141	0.0000	OK
7200 minute winter	S9	7020	-0.163	0.133	0.2	0.3064	0.0000	OK
7200 minute winter	S10	7020	-0.163	0.158	0.2	0.2794	0.0000	OK
7200 minute winter	S11	7020	-0.163	0.163	0.8	0.2882	0.0000	OK
7200 minute winter	S12	7020	-0.163	0.172	0.9	0.3041	0.0000	OK
7200 minute winter	S1	7020	-0.163	0.101	0.8	0.2386	0.0000	OK
7200 minute winter	S3	7020	-0.163	0.144	1.3	0.4607	0.0000	OK
7200 minute winter	S2	7020	-0.163	0.173	1.5	0.3059	0.0000	OK
7200 minute winter	S14	7260	-0.163	0.146	0.2	0.2581	0.0000	OK
7200 minute winter	S15	7260	-0.163	0.183	3.2	0.8239	0.0000	OK
7200 minute winter	S75	7260	-0.163	0.199	5.8	0.5065	0.0000	OK
7200 minute winter	S87	7260	-0.163	0.123	0.5	0.3989	0.0000	OK
7200 minute winter	S88	7260	-0.163	0.145	1.0	0.4729	0.0000	OK
7200 minute winter	S89	7020	-0.163	0.167	1.5	0.5416	0.0000	OK
7200 minute winter	S90	7020	-0.163	0.189	2.0	0.6021	0.0000	OK
7200 minute winter	S92	7260	-0.163	0.216	8.1	0.5498	0.0000	OK
7200 minute winter	S81	7020	-0.163	0.139	0.5	0.4502	0.0000	OK
7200 minute winter	S82	7020	-0.163	0.161	1.0	0.5243	0.0000	OK
7200 minute winter	S83	7020	-0.163	0.182	1.5	0.5886	0.0000	OK
7200 minute winter	S84	7020	-0.163	0.204	2.0	0.6475	0.0000	OK
7200 minute winter	S86	7260	-0.163	0.230	10.1	0.5856	0.0000	OK
7200 minute winter	S76	7320	-0.163	0.154	0.5	0.4950	0.0000	OK
7200 minute winter	S77	7080	-0.163	0.176	1.0	0.5690	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S26	1.000	S16	0.2	0.050	0.003	1.3080	
7200 minute winter	S25	2.000	S16	0.1	0.039	0.001	1.0897	
7200 minute winter	S16	1.001	S145	1.3	0.122	0.018	3.5398	
7200 minute winter	S145	1.002	S75	2.5	0.120	0.035	5.4288	
7200 minute winter	S4	3.000	S5	0.2	0.078	0.003	2.2082	
7200 minute winter	S5	3.001	S11	0.6	0.101	0.008	3.5623	
7200 minute winter	S9	4.000	S10	0.2	0.062	0.003	2.2592	
7200 minute winter	S10	4.001	S11	0.2	0.038	0.003	0.4413	
7200 minute winter	S11	3.002	S12	0.8	0.089	0.011	0.9751	
7200 minute winter	S12	3.003	S15	0.9	0.060	0.013	1.3510	
7200 minute winter	S1	5.000	S3	0.8	0.105	0.011	3.0010	
7200 minute winter	S3	5.001	S2	1.3	0.106	0.018	2.8945	
7200 minute winter	S2	5.002	S15	1.5	0.089	0.022	1.2578	
7200 minute winter	S14	6.000	S15	0.3	0.006	0.005	3.9357	
7200 minute winter	S15	3.004	S75	3.2	0.122	0.044	2.0077	
7200 minute winter	S75	1.003	S92	5.8	0.177	0.081	2.4054	
7200 minute winter	S87	7.000	S88	0.5	0.088	0.007	1.7172	
7200 minute winter	S88	7.001	S89	1.0	0.107	0.014	2.1175	
7200 minute winter	S89	7.002	S90	1.5	0.107	0.021	2.5319	
7200 minute winter	S90	7.003	S92	2.0	0.091	0.028	3.7729	
7200 minute winter	S92	1.005	S86	8.1	0.223	0.115	2.1808	
7200 minute winter	S81	8.000	S82	0.5	0.084	0.007	2.0147	
7200 minute winter	S82	8.001	S83	1.0	0.105	0.014	2.4148	
7200 minute winter	S83	8.002	S84	1.5	0.103	0.021	2.8219	
7200 minute winter	S84	8.003	S86	2.0	0.079	0.028	3.9163	
7200 minute winter	S86	1.006	S30	10.1	0.259	0.143	2.3598	
7200 minute winter	S76	9.000	S77	0.5	0.080	0.007	2.2842	
7200 minute winter	S77	9.001	S78	1.0	0.098	0.014	2.7023	

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Results for 30 year 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S78	7080	-0.163	0.198	1.5	0.6364	0.0000	OK
7200 minute winter	S79	7260	-0.163	0.219	2.0	0.6920	0.0000	OK
7200 minute winter	S30	7260	-0.163	0.244	12.2	0.6213	0.0000	OK
7200 minute winter	S31	6960	-0.163	0.173	0.6	0.5741	0.0000	OK
7200 minute winter	S32	6960	-0.163	0.216	1.1	0.6675	0.0000	OK
7200 minute winter	S33	7260	-0.163	0.260	13.5	0.6619	0.0000	OK
7200 minute winter	S34	7260	-0.163	0.276	13.8	0.4879	0.0000	OK
7200 minute winter	S35	7260	-0.163	0.303	13.8	0.5357	0.0000	OK
7200 minute winter	S36	6900	-0.163	0.279	0.4	0.4939	0.0000	OK
7200 minute winter	S37	7260	-0.163	0.308	14.9	1.5149	0.0000	OK
7200 minute winter	S38	7260	-0.163	0.353	14.9	0.6241	0.0000	OK
7200 minute winter	S39	7260	-0.163	0.399	14.8	0.7054	0.0000	OK
7200 minute winter	S56	7260	-0.163	0.396	0.2	0.6999	0.0000	OK
7200 minute winter	S57	7260	-0.163	0.402	14.8	1.0234	0.0000	OK
7200 minute winter	S125	7260	-0.163	0.392	0.6	0.6931	0.0000	OK
7200 minute winter	S127	7260	-0.163	0.416	14.7	1.0591	0.0000	OK
7200 minute winter	S119	7200	-0.163	0.406	0.3	0.7176	0.0000	OK
7200 minute winter	S60	7260	-0.163	0.430	14.6	1.0947	0.0000	OK
7200 minute winter	Pond Inlet 1	7020	-0.161	0.449	14.5	0.7927	0.0000	OK
7200 minute winter	Pond Outlet	7140	-0.163	0.447	7.3	0.5055	0.0000	SURCHARGED
7200 minute winter	S13	7140	-0.163	0.475	0.1	1.6452	0.0000	SURCHARGED
7200 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S26	3480	0.512	0.012	0.2	0.1403	0.0000	OK
7200 minute winter	PP-S25	2280	0.507	0.007	0.1	0.0532	0.0000	OK
7200 minute winter	PP-S16	3600	0.511	0.011	0.3	0.1261	0.0000	OK
7200 minute winter	PP-S145	3240	0.510	0.010	0.3	0.1113	0.0000	OK
7200 minute winter	PP-S4	2880	0.510	0.010	0.2	0.1016	0.0000	OK
7200 minute winter	PP-S1	3900	0.515	0.015	0.6	2.1543	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S78	9.002	S79	1.5	0.102	0.021	3.1174	
7200 minute winter	S79	9.003	S30	2.0	0.071	0.028	3.9887	
7200 minute winter	S30	1.007	S33	12.2	0.302	0.171	2.8948	
7200 minute winter	S31	10.000	S32	0.6	0.085	0.008	5.6751	
7200 minute winter	S32	10.001	S33	1.1	0.042	0.015	7.3414	
7200 minute winter	S33	1.008	S34	13.5	0.322	0.191	3.1753	
7200 minute winter	S34	1.009	S35	13.8	0.321	0.194	5.7891	
7200 minute winter	S35	1.010	S37	13.7	0.317	0.207	1.2986	
7200 minute winter	S36	11.000	S37	-0.4	0.011	-0.006	6.3012	
7200 minute winter	S37	1.011	S38	14.9	0.338	0.211	11.2671	
7200 minute winter	S38	1.012	S39	14.8	0.314	0.207	12.7571	
7200 minute winter	S39	1.013	S57	14.8	0.305	0.233	1.1114	
7200 minute winter	S56	12.011	S57	-0.2	-0.006	-0.003	1.9367	
7200 minute winter	S57	1.014	S127	14.7	0.308	0.208	4.2475	
7200 minute winter	S125	21.003	S127	-0.6	-0.031	-0.009	7.3920	
7200 minute winter	S127	1.015	S60	14.6	0.313	0.205	4.2797	
7200 minute winter	S119	22.003	S60	0.4	-0.034	0.005	7.5616	
7200 minute winter	S60	1.016	Pond Inlet 1	14.5	0.360	0.192	4.6893	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	7.3	0.007	0.000	2415.5156	
7200 minute winter	Pond Outlet	1.018	S13	0.1	0.031	0.001	0.4779	
7200 minute winter	S13	Pump	Final Outfall	0.0				0.0
7200 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
7200 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
7200 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
7200 minute winter	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
7200 minute winter	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
7200 minute winter	PP-S1	4.000_1	S1	0.6	0.517	0.009	0.0058	

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Results for 30 year 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	PP-S5	3660	0.512	0.012	0.4	0.1671	0.0000	OK
7200 minute winter	PP-S12	2400	0.506	0.006	0.1	0.0530	0.0000	OK
7200 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S2	3240	0.508	0.008	0.2	0.1482	0.0000	OK
7200 minute winter	PP-S15	2280	0.506	0.006	0.1	0.0373	0.0000	OK
7200 minute winter	PP-S75	2340	0.506	0.006	0.1	0.0412	0.0000	OK
7200 minute winter	PP-S24	3660	0.510	0.010	0.4	0.1471	0.0000	OK
7200 minute winter	PP-S30	2400	0.505	0.005	0.1	0.0392	0.0000	OK
7200 minute winter	PP-S33	3540	0.507	0.007	0.2	0.0576	0.0000	OK
7200 minute winter	PP-S34	3240	0.509	0.009	0.3	0.1114	0.0000	OK
7200 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S36	2880	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
7200 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
7200 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
7200 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
7200 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
7200 minute winter	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
7200 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
7200 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
7200 minute winter	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
7200 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 30 year 8640 minute summer. 10080 minute analysis at 60 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
8640 minute summer	S26	8880	-0.180	0.058	0.2	0.1027	0.0000	OK
8640 minute summer	S25	8820	-0.180	0.064	0.2	0.1632	0.0000	OK
8640 minute summer	S16	8820	-0.180	0.087	1.5	0.3861	0.0000	OK
8640 minute summer	S145	8820	-0.180	0.135	3.0	0.5818	0.0000	OK
8640 minute summer	S4	8760	-0.180	0.063	0.3	0.1116	0.0000	OK
8640 minute summer	S5	8820	-0.180	0.104	0.7	0.1840	0.0000	OK
8640 minute summer	S9	8940	-0.180	0.116	0.2	0.2675	0.0000	OK
8640 minute summer	S10	8940	-0.180	0.141	0.2	0.2493	0.0000	OK
8640 minute summer	S11	8940	-0.180	0.146	0.9	0.2581	0.0000	OK
8640 minute summer	S12	8820	-0.180	0.155	1.1	0.2740	0.0000	OK
8640 minute summer	S1	8820	-0.180	0.084	1.0	0.1982	0.0000	OK
8640 minute summer	S3	9000	-0.180	0.127	1.6	0.4066	0.0000	OK
8640 minute summer	S2	8820	-0.180	0.156	1.8	0.2758	0.0000	OK
8640 minute summer	S14	9000	-0.180	0.129	0.2	0.2281	0.0000	OK
8640 minute summer	S15	8820	-0.180	0.166	3.9	0.7476	0.0000	OK
8640 minute summer	S75	8640	-0.180	0.182	7.1	0.4636	0.0000	OK
8640 minute summer	S87	9000	-0.180	0.106	0.6	0.3448	0.0000	OK
8640 minute summer	S88	9000	-0.180	0.128	1.3	0.4179	0.0000	OK
8640 minute summer	S89	8640	-0.180	0.150	2.0	0.4875	0.0000	OK
8640 minute summer	S90	8640	-0.179	0.173	2.6	0.5508	0.0000	OK
8640 minute summer	S92	8640	-0.180	0.199	10.0	0.5075	0.0000	OK
8640 minute summer	S81	8760	-0.180	0.122	0.6	0.3946	0.0000	OK
8640 minute summer	S82	8760	-0.180	0.144	1.3	0.4679	0.0000	OK
8640 minute summer	S83	8760	-0.180	0.165	2.0	0.5329	0.0000	OK
8640 minute summer	S84	8880	-0.180	0.187	2.6	0.5933	0.0000	OK
8640 minute summer	S86	8880	-0.180	0.213	12.6	0.5423	0.0000	OK
8640 minute summer	S76	8820	-0.180	0.137	0.6	0.4412	0.0000	OK
8640 minute summer	S77	8820	-0.180	0.159	1.3	0.5146	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S26	1.000	S16	0.2	0.050	0.003	0.9698	
8640 minute summer	S25	2.000	S16	0.2	0.042	0.003	0.8165	
8640 minute summer	S16	1.001	S145	1.5	0.119	0.021	2.9092	
8640 minute summer	S145	1.002	S75	3.0	0.118	0.042	4.7396	
8640 minute summer	S4	3.000	S5	0.3	0.078	0.004	1.7034	
8640 minute summer	S5	3.001	S11	0.7	0.101	0.010	2.9888	
8640 minute summer	S9	4.000	S10	0.2	0.061	0.003	1.9033	
8640 minute summer	S10	4.001	S11	0.2	0.038	0.003	0.3783	
8640 minute summer	S11	3.002	S12	0.9	0.086	0.013	0.8425	
8640 minute summer	S12	3.003	S15	1.1	0.058	0.015	1.1797	
8640 minute summer	S1	5.000	S3	1.0	0.102	0.014	2.4372	
8640 minute summer	S3	5.001	S2	1.6	0.104	0.022	2.4784	
8640 minute summer	S2	5.002	S15	1.8	0.087	0.026	1.0987	
8640 minute summer	S14	6.000	S15	-0.2	-0.005	-0.003	3.3941	
8640 minute summer	S15	3.004	S75	3.9	0.120	0.055	1.7745	
8640 minute summer	S75	1.003	S92	7.1	0.179	0.099	2.1547	
8640 minute summer	S87	7.000	S88	0.6	0.087	0.009	1.4245	
8640 minute summer	S88	7.001	S89	1.3	0.107	0.018	1.8083	
8640 minute summer	S89	7.002	S90	2.0	0.110	0.028	2.2228	
8640 minute summer	S90	7.003	S92	2.6	0.098	0.036	3.3778	
8640 minute summer	S92	1.005	S86	10.0	0.230	0.141	1.9709	
8640 minute summer	S81	8.000	S82	0.6	0.083	0.009	1.7026	
8640 minute summer	S82	8.001	S83	1.3	0.103	0.018	2.0911	
8640 minute summer	S83	8.002	S84	2.0	0.103	0.028	2.4937	
8640 minute summer	S84	8.003	S86	2.6	0.084	0.036	3.5227	
8640 minute summer	S86	1.006	S30	12.6	0.270	0.177	2.1470	
8640 minute summer	S76	9.000	S77	0.6	0.078	0.009	1.9735	
8640 minute summer	S77	9.001	S78	1.3	0.096	0.018	2.3813	

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Results for 30 year 8640 minute summer. 10080 minute analysis at 60 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
8640 minute summer	S78	8940	-0.180	0.181	2.0	0.5822	0.0000	OK
8640 minute summer	S79	8940	-0.180	0.202	2.6	0.6385	0.0000	OK
8640 minute summer	S30	8940	-0.180	0.227	15.3	0.5780	0.0000	OK
8640 minute summer	S31	8640	-0.179	0.157	0.7	0.5187	0.0000	OK
8640 minute summer	S32	8880	-0.180	0.199	1.3	0.6149	0.0000	OK
8640 minute summer	S33	8940	-0.180	0.243	16.8	0.6187	0.0000	OK
8640 minute summer	S34	8940	-0.180	0.259	17.1	0.4578	0.0000	OK
8640 minute summer	S35	8820	-0.180	0.286	17.2	0.5055	0.0000	OK
8640 minute summer	S36	8700	-0.180	0.262	0.3	0.4633	0.0000	OK
8640 minute summer	S37	8760	-0.180	0.291	18.7	1.4310	0.0000	OK
8640 minute summer	S38	8640	-0.179	0.337	18.6	0.5950	0.0000	OK
8640 minute summer	S39	8640	-0.179	0.383	18.6	0.6765	0.0000	OK
8640 minute summer	S56	8640	-0.179	0.380	0.1	0.6712	0.0000	OK
8640 minute summer	S57	8640	-0.179	0.386	18.5	0.9820	0.0000	OK
8640 minute summer	S125	8640	-0.179	0.376	0.5	0.6639	0.0000	OK
8640 minute summer	S127	8640	-0.179	0.400	18.5	1.0179	0.0000	OK
8640 minute summer	S119	8700	-0.180	0.389	0.3	0.6880	0.0000	OK
8640 minute summer	S60	8640	-0.179	0.414	18.3	1.0526	0.0000	OK
8640 minute summer	Pond Inlet 1	8700	-0.180	0.430	18.2	0.7602	0.0000	OK
8640 minute summer	Pond Outlet	8700	-0.180	0.430	9.1	0.4864	0.0000	SURCHARGED
8640 minute summer	S13	9000	-0.180	0.458	0.1	1.5867	0.0000	SURCHARGED
8640 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S26	4200	0.512	0.012	0.2	0.1403	0.0000	OK
8640 minute summer	PP-S25	4320	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute summer	PP-S16	4260	0.511	0.011	0.3	0.1261	0.0000	OK
8640 minute summer	PP-S145	4380	0.511	0.011	0.4	0.1411	0.0000	OK
8640 minute summer	PP-S4	4320	0.512	0.012	0.3	0.1429	0.0000	OK
8640 minute summer	PP-S1	4440	0.517	0.017	0.7	2.4663	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S78	9.002	S79	2.0	0.103	0.028	2.7911	
8640 minute summer	S79	9.003	S30	2.6	0.076	0.036	3.6201	
8640 minute summer	S30	1.007	S33	15.3	0.315	0.215	2.6543	
8640 minute summer	S31	10.000	S32	0.7	0.077	0.010	5.0259	
8640 minute summer	S32	10.001	S33	1.3	0.040	0.019	6.6872	
8640 minute summer	S33	1.008	S34	16.7	0.337	0.237	2.9322	
8640 minute summer	S34	1.009	S35	17.1	0.334	0.241	5.3910	
8640 minute summer	S35	1.010	S37	17.2	0.330	0.259	1.2162	
8640 minute summer	S36	11.000	S37	-0.3	-0.037	-0.004	5.8782	
8640 minute summer	S37	1.011	S38	18.6	0.346	0.264	10.6464	
8640 minute summer	S38	1.012	S39	18.6	0.309	0.260	12.2522	
8640 minute summer	S39	1.013	S57	18.5	0.291	0.292	1.0751	
8640 minute summer	S56	12.011	S57	-0.1	-0.001	-0.002	1.8726	
8640 minute summer	S57	1.014	S127	18.5	0.289	0.261	4.1207	
8640 minute summer	S125	21.003	S127	0.5	0.003	0.007	7.1585	
8640 minute summer	S127	1.015	S60	18.3	0.282	0.258	4.1719	
8640 minute summer	S119	22.003	S60	0.4	0.003	0.006	7.3542	
8640 minute summer	S60	1.016	Pond Inlet 1	18.2	0.334	0.241	4.6010	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	9.1	0.007	0.000	2318.4385	
8640 minute summer	Pond Outlet	1.018	S13	0.1	0.041	0.001	0.4779	
8640 minute summer	S13	Pump	Final Outfall	0.0				0.0
8640 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
8640 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
8640 minute summer	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
8640 minute summer	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
8640 minute summer	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
8640 minute summer	PP-S1	4.000_1	S1	0.7	0.541	0.011	0.0064	

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Results for 30 year 8640 minute summer. 10080 minute analysis at 60 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
8640 minute summer	PP-S5	4260	0.512	0.012	0.4	0.1671	0.0000	OK
8640 minute summer	PP-S12	4380	0.508	0.008	0.2	0.0962	0.0000	OK
8640 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S2	4140	0.508	0.008	0.2	0.1482	0.0000	OK
8640 minute summer	PP-S15	4320	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute summer	PP-S75	4320	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute summer	PP-S24	4260	0.510	0.010	0.4	0.1471	0.0000	OK
8640 minute summer	PP-S30	4380	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute summer	PP-S33	4200	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute summer	PP-S34	4380	0.510	0.010	0.4	0.1423	0.0000	OK
8640 minute summer	PP-S35	4380	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute summer	PP-S36	4260	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
8640 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
8640 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute summer	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
8640 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
8640 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
8640 minute summer	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
8640 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
8640 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
8640 minute summer	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
8640 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
8640 minute summer	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 30 year 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S26	8340	-0.147	0.091	0.1	0.1602	0.0000	OK
8640 minute winter	S25	8340	-0.147	0.097	0.1	0.2460	0.0000	OK
8640 minute winter	S16	8340	-0.147	0.120	1.0	0.5304	0.0000	OK
8640 minute winter	S145	8340	-0.147	0.168	2.1	0.7217	0.0000	OK
8640 minute winter	S4	8340	-0.147	0.096	0.2	0.1690	0.0000	OK
8640 minute winter	S5	8340	-0.147	0.137	0.5	0.2414	0.0000	OK
8640 minute winter	S9	8340	-0.147	0.149	0.2	0.3425	0.0000	OK
8640 minute winter	S10	8340	-0.147	0.174	0.2	0.3068	0.0000	OK
8640 minute winter	S11	8340	-0.147	0.179	0.7	0.3157	0.0000	OK
8640 minute winter	S12	8340	-0.147	0.188	0.8	0.3316	0.0000	OK
8640 minute winter	S1	8340	-0.147	0.117	0.7	0.2747	0.0000	OK
8640 minute winter	S3	8340	-0.147	0.160	1.2	0.5105	0.0000	OK
8640 minute winter	S2	8340	-0.147	0.189	1.4	0.3334	0.0000	OK
8640 minute winter	S14	8340	-0.147	0.162	0.2	0.2855	0.0000	OK
8640 minute winter	S15	8340	-0.147	0.199	2.9	0.8941	0.0000	OK
8640 minute winter	S75	8340	-0.147	0.215	5.1	0.5462	0.0000	OK
8640 minute winter	S87	8340	-0.147	0.139	0.5	0.4497	0.0000	OK
8640 minute winter	S88	8340	-0.147	0.161	1.0	0.5238	0.0000	OK
8640 minute winter	S89	8340	-0.147	0.183	1.5	0.5919	0.0000	OK
8640 minute winter	S90	8340	-0.147	0.205	2.0	0.6517	0.0000	OK
8640 minute winter	S92	8340	-0.147	0.232	7.4	0.5894	0.0000	OK
8640 minute winter	S81	8340	-0.147	0.155	0.5	0.4992	0.0000	OK
8640 minute winter	S82	8340	-0.147	0.177	1.0	0.5735	0.0000	OK
8640 minute winter	S83	8340	-0.147	0.198	1.5	0.6380	0.0000	OK
8640 minute winter	S84	8340	-0.147	0.220	2.0	0.6966	0.0000	OK
8640 minute winter	S86	8340	-0.147	0.246	9.3	0.6251	0.0000	OK
8640 minute winter	S76	8340	-0.147	0.170	0.5	0.5454	0.0000	OK
8640 minute winter	S77	8340	-0.147	0.192	1.0	0.6195	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S26	1.000	S16	0.1	0.047	0.001	1.6391	
8640 minute winter	S25	2.000	S16	0.1	0.039	0.001	1.3582	
8640 minute winter	S16	1.001	S145	1.0	0.122	0.014	4.1418	
8640 minute winter	S145	1.002	S75	2.1	0.120	0.030	6.0763	
8640 minute winter	S4	3.000	S5	0.2	0.078	0.003	2.6954	
8640 minute winter	S5	3.001	S11	0.5	0.100	0.007	4.1021	
8640 minute winter	S9	4.000	S10	0.2	0.061	0.003	2.5961	
8640 minute winter	S10	4.001	S11	0.2	0.038	0.003	0.4999	
8640 minute winter	S11	3.002	S12	0.7	0.086	0.010	1.0985	
8640 minute winter	S12	3.003	S15	0.8	0.058	0.012	1.5110	
8640 minute winter	S1	5.000	S3	0.7	0.105	0.010	3.5337	
8640 minute winter	S3	5.001	S2	1.2	0.104	0.017	3.2841	
8640 minute winter	S2	5.002	S15	1.4	0.087	0.020	1.4062	
8640 minute winter	S14	6.000	S15	0.2	0.005	0.003	4.4425	
8640 minute winter	S15	3.004	S75	2.9	0.122	0.040	2.2255	
8640 minute winter	S75	1.003	S92	5.1	0.177	0.071	2.6408	
8640 minute winter	S87	7.000	S88	0.5	0.087	0.007	1.9996	
8640 minute winter	S88	7.001	S89	1.0	0.107	0.014	2.4100	
8640 minute winter	S89	7.002	S90	1.5	0.110	0.021	2.8297	
8640 minute winter	S90	7.003	S92	2.0	0.089	0.028	4.1529	
8640 minute winter	S92	1.005	S86	7.4	0.219	0.104	2.3748	
8640 minute winter	S81	8.000	S82	0.5	0.082	0.007	2.2967	
8640 minute winter	S82	8.001	S83	1.0	0.103	0.014	2.7048	
8640 minute winter	S83	8.002	S84	1.5	0.103	0.021	3.1195	
8640 minute winter	S84	8.003	S86	2.0	0.076	0.028	4.2755	
8640 minute winter	S86	1.006	S30	9.3	0.253	0.132	2.5528	
8640 minute winter	S76	9.000	S77	0.5	0.078	0.007	2.5804	
8640 minute winter	S77	9.001	S78	1.0	0.096	0.014	3.0028	

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Results for 30 year 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S78	8340	-0.147	0.214	1.5	0.6865	0.0000	OK
8640 minute winter	S79	8340	-0.147	0.235	2.0	0.7411	0.0000	OK
8640 minute winter	S30	8340	-0.147	0.260	11.4	0.6607	0.0000	OK
8640 minute winter	S31	8340	-0.147	0.189	0.5	0.6246	0.0000	OK
8640 minute winter	S32	8340	-0.147	0.232	0.9	0.7151	0.0000	OK
8640 minute winter	S33	8340	-0.147	0.276	12.4	0.7014	0.0000	OK
8640 minute winter	S34	8340	-0.147	0.292	12.7	0.5152	0.0000	OK
8640 minute winter	S35	8340	-0.147	0.319	12.7	0.5629	0.0000	OK
8640 minute winter	S36	8340	-0.147	0.295	0.5	0.5204	0.0000	OK
8640 minute winter	S37	8340	-0.147	0.324	13.6	1.5905	0.0000	OK
8640 minute winter	S38	8340	-0.147	0.369	13.6	0.6512	0.0000	OK
8640 minute winter	S39	8340	-0.148	0.414	13.5	0.7324	0.0000	OK
8640 minute winter	S56	8340	-0.147	0.412	0.1	0.7272	0.0000	OK
8640 minute winter	S57	8340	-0.147	0.418	13.5	1.0626	0.0000	OK
8640 minute winter	S125	8340	-0.148	0.407	0.4	0.7199	0.0000	OK
8640 minute winter	S127	8340	-0.148	0.431	13.4	1.0981	0.0000	OK
8640 minute winter	S119	8340	-0.148	0.421	0.4	0.7448	0.0000	OK
8640 minute winter	S60	8340	-0.148	0.445	13.3	1.1338	0.0000	OK
8640 minute winter	Pond Inlet 1	8340	-0.143	0.467	13.3	0.8251	0.0000	OK
8640 minute winter	Pond Outlet	8460	-0.148	0.462	11.1	0.5223	0.0000	SURCHARGED
8640 minute winter	S13	8460	-0.148	0.490	0.1	1.6968	0.0000	SURCHARGED
8640 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S26	2760	0.509	0.009	0.1	0.0816	0.0000	OK
8640 minute winter	PP-S25	2880	0.507	0.007	0.1	0.0532	0.0000	OK
8640 minute winter	PP-S16	3480	0.509	0.009	0.2	0.0901	0.0000	OK
8640 minute winter	PP-S145	4260	0.510	0.010	0.3	0.1113	0.0000	OK
8640 minute winter	PP-S4	3660	0.510	0.010	0.2	0.1016	0.0000	OK
8640 minute winter	PP-S1	4680	0.514	0.014	0.5	1.8179	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S78	9.002	S79	1.5	0.098	0.021	3.4202	
8640 minute winter	S79	9.003	S30	2.0	0.069	0.028	4.3259	
8640 minute winter	S30	1.007	S33	11.4	0.295	0.160	3.1126	
8640 minute winter	S31	10.000	S32	0.6	0.080	0.008	6.2633	
8640 minute winter	S32	10.001	S33	0.9	0.037	0.013	7.9369	
8640 minute winter	S33	1.008	S34	12.4	0.311	0.176	3.3936	
8640 minute winter	S34	1.009	S35	12.7	0.305	0.178	6.1405	
8640 minute winter	S35	1.010	S37	12.7	0.301	0.190	1.3704	
8640 minute winter	S36	11.000	S37	-0.5	0.011	-0.006	6.6737	
8640 minute winter	S37	1.011	S38	13.6	0.323	0.192	11.7992	
8640 minute winter	S38	1.012	S39	13.5	0.296	0.189	13.1872	
8640 minute winter	S39	1.013	S57	13.5	0.288	0.213	1.1412	
8640 minute winter	S56	12.011	S57	0.2	-0.007	0.003	1.9894	
8640 minute winter	S57	1.014	S127	13.4	0.293	0.190	4.3470	
8640 minute winter	S125	21.003	S127	-0.4	-0.009	-0.006	7.5757	
8640 minute winter	S127	1.015	S60	13.3	0.291	0.187	4.3540	
8640 minute winter	S119	22.003	S60	-0.4	-0.006	-0.006	7.7074	
8640 minute winter	S60	1.016	Pond Inlet 1	13.3	0.336	0.175	4.7247	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.1	0.007	0.000	2502.6665	
8640 minute winter	Pond Outlet	1.018	S13	0.1	0.048	0.001	0.4779	
8640 minute winter	S13	Pump	Final Outfall	0.0				0.0
8640 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
8640 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
8640 minute winter	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
8640 minute winter	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
8640 minute winter	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
8640 minute winter	PP-S1	4.000_1	S1	0.5	0.489	0.008	0.0051	

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Results for 30 year 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 98.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP-S5	3840	0.511	0.011	0.3	0.1311	0.0000	OK
8640 minute winter	PP-S12	3000	0.506	0.006	0.1	0.0530	0.0000	OK
8640 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S2	4200	0.508	0.008	0.2	0.1482	0.0000	OK
8640 minute winter	PP-S15	2880	0.506	0.006	0.1	0.0373	0.0000	OK
8640 minute winter	PP-S75	2880	0.506	0.006	0.1	0.0412	0.0000	OK
8640 minute winter	PP-S24	3840	0.509	0.009	0.3	0.1160	0.0000	OK
8640 minute winter	PP-S30	2940	0.505	0.005	0.1	0.0392	0.0000	OK
8640 minute winter	PP-S33	2760	0.505	0.005	0.1	0.0325	0.0000	OK
8640 minute winter	PP-S34	4260	0.509	0.009	0.3	0.1114	0.0000	OK
8640 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S36	3600	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
8640 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
8640 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
8640 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
8640 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
8640 minute winter	PP-S24	14.000_1	S92	0.3	0.575	0.003	0.0026	
8640 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
8640 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
8640 minute winter	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
8640 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 30 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S26	10320	-0.168	0.070	0.2	0.1234	0.0000	OK
10080 minute summer	S25	10260	-0.168	0.076	0.2	0.1928	0.0000	OK
10080 minute summer	S16	10320	-0.168	0.099	1.4	0.4381	0.0000	OK
10080 minute summer	S145	10320	-0.168	0.147	2.7	0.6318	0.0000	OK
10080 minute summer	S4	10260	-0.168	0.075	0.3	0.1320	0.0000	OK
10080 minute summer	S5	10320	-0.168	0.116	0.7	0.2047	0.0000	OK
10080 minute summer	S9	10320	-0.168	0.128	0.2	0.2944	0.0000	OK
10080 minute summer	S10	10320	-0.168	0.153	0.2	0.2700	0.0000	OK
10080 minute summer	S11	10320	-0.168	0.158	0.9	0.2788	0.0000	OK
10080 minute summer	S12	10320	-0.168	0.167	1.0	0.2946	0.0000	OK
10080 minute summer	S1	10320	-0.168	0.096	0.8	0.2257	0.0000	OK
10080 minute summer	S3	10260	-0.168	0.139	1.4	0.4438	0.0000	OK
10080 minute summer	S2	10320	-0.168	0.168	1.6	0.2964	0.0000	OK
10080 minute summer	S14	10260	-0.168	0.141	0.2	0.2488	0.0000	OK
10080 minute summer	S15	10320	-0.168	0.178	3.6	0.8000	0.0000	OK
10080 minute summer	S75	10320	-0.168	0.194	6.4	0.4931	0.0000	OK
10080 minute summer	S87	10620	-0.168	0.118	0.6	0.3820	0.0000	OK
10080 minute summer	S88	10320	-0.168	0.140	1.2	0.4558	0.0000	OK
10080 minute summer	S89	10320	-0.168	0.162	1.8	0.5243	0.0000	OK
10080 minute summer	S90	10320	-0.168	0.184	2.4	0.5853	0.0000	OK
10080 minute summer	S92	10320	-0.168	0.211	9.2	0.5364	0.0000	OK
10080 minute summer	S81	10320	-0.168	0.134	0.6	0.4323	0.0000	OK
10080 minute summer	S82	10320	-0.168	0.156	1.2	0.5059	0.0000	OK
10080 minute summer	S83	10320	-0.168	0.177	1.8	0.5708	0.0000	OK
10080 minute summer	S84	10320	-0.168	0.199	2.4	0.6305	0.0000	OK
10080 minute summer	S86	10320	-0.168	0.225	11.5	0.5721	0.0000	OK
10080 minute summer	S76	10320	-0.168	0.149	0.6	0.4786	0.0000	OK
10080 minute summer	S77	10320	-0.168	0.171	1.2	0.5524	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S26	1.000	S16	0.2	0.050	0.003	1.1992	
10080 minute summer	S25	2.000	S16	0.2	0.040	0.003	1.0021	
10080 minute summer	S16	1.001	S145	1.4	0.124	0.020	3.3396	
10080 minute summer	S145	1.002	S75	2.7	0.118	0.038	5.2120	
10080 minute summer	S4	3.000	S5	0.3	0.078	0.004	2.0450	
10080 minute summer	S5	3.001	S11	0.7	0.101	0.010	3.3820	
10080 minute summer	S9	4.000	S10	0.2	0.059	0.003	2.1471	
10080 minute summer	S10	4.001	S11	0.2	0.034	0.003	0.4214	
10080 minute summer	S11	3.002	S12	0.9	0.085	0.012	0.9333	
10080 minute summer	S12	3.003	S15	1.0	0.054	0.014	1.2970	
10080 minute summer	S1	5.000	S3	0.8	0.105	0.011	2.8192	
10080 minute summer	S3	5.001	S2	1.4	0.106	0.020	2.7622	
10080 minute summer	S2	5.002	S15	1.6	0.089	0.023	1.2076	
10080 minute summer	S14	6.000	S15	-0.2	-0.005	-0.003	3.7645	
10080 minute summer	S15	3.004	S75	3.5	0.120	0.049	1.9345	
10080 minute summer	S75	1.003	S92	6.4	0.177	0.090	2.3263	
10080 minute summer	S87	7.000	S88	0.6	0.090	0.008	1.6243	
10080 minute summer	S88	7.001	S89	1.2	0.108	0.017	2.0207	
10080 minute summer	S89	7.002	S90	1.8	0.108	0.025	2.4314	
10080 minute summer	S90	7.003	S92	2.4	0.091	0.034	3.6452	
10080 minute summer	S92	1.005	S86	9.2	0.227	0.129	2.1147	
10080 minute summer	S81	8.000	S82	0.6	0.085	0.008	1.9126	
10080 minute summer	S82	8.001	S83	1.2	0.105	0.017	2.3094	
10080 minute summer	S83	8.002	S84	1.8	0.104	0.025	2.7176	
10080 minute summer	S84	8.003	S86	2.4	0.077	0.034	3.7931	
10080 minute summer	S86	1.006	S30	11.5	0.267	0.163	2.2934	
10080 minute summer	S76	9.000	S77	0.6	0.081	0.008	2.1889	
10080 minute summer	S77	9.001	S78	1.2	0.099	0.017	2.6040	

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Results for 30 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S78	10320	-0.168	0.193	1.8	0.6198	0.0000	OK
10080 minute summer	S79	10320	-0.168	0.214	2.4	0.6754	0.0000	OK
10080 minute summer	S30	10320	-0.168	0.239	14.0	0.6077	0.0000	OK
10080 minute summer	S31	10680	-0.168	0.168	0.6	0.5557	0.0000	OK
10080 minute summer	S32	10320	-0.168	0.211	1.1	0.6509	0.0000	OK
10080 minute summer	S33	10320	-0.168	0.255	15.3	0.6485	0.0000	OK
10080 minute summer	S34	10320	-0.168	0.271	15.6	0.4786	0.0000	OK
10080 minute summer	S35	10320	-0.168	0.298	15.6	0.5263	0.0000	OK
10080 minute summer	S36	10320	-0.168	0.274	0.3	0.4839	0.0000	OK
10080 minute summer	S37	10320	-0.168	0.303	16.7	1.4888	0.0000	OK
10080 minute summer	S38	10320	-0.168	0.348	16.7	0.6146	0.0000	OK
10080 minute summer	S39	10320	-0.168	0.394	16.6	0.6958	0.0000	OK
10080 minute summer	S56	10320	-0.168	0.391	0.1	0.6905	0.0000	OK
10080 minute summer	S57	10320	-0.168	0.397	16.6	1.0099	0.0000	OK
10080 minute summer	S125	10320	-0.168	0.387	0.4	0.6836	0.0000	OK
10080 minute summer	S127	10320	-0.168	0.411	16.5	1.0456	0.0000	OK
10080 minute summer	S119	10320	-0.168	0.401	0.3	0.7084	0.0000	OK
10080 minute summer	S60	10320	-0.168	0.425	16.4	1.0812	0.0000	OK
10080 minute summer	Pond Inlet 1	10080	-0.167	0.443	16.3	0.7820	0.0000	OK
10080 minute summer	Pond Outlet	10140	-0.169	0.441	8.2	0.4993	0.0000	SURCHARGED
10080 minute summer	S13	10200	-0.169	0.469	0.1	1.6260	0.0000	SURCHARGED
10080 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S26	4980	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute summer	PP-S25	5100	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute summer	PP-S16	5040	0.511	0.011	0.3	0.1261	0.0000	OK
10080 minute summer	PP-S145	4920	0.510	0.010	0.3	0.1113	0.0000	OK
10080 minute summer	PP-S4	5100	0.512	0.012	0.3	0.1429	0.0000	OK
10080 minute summer	PP-S1	5280	0.515	0.015	0.6	2.1542	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S78	9.002	S79	1.8	0.103	0.026	3.0168	
10080 minute summer	S79	9.003	S30	2.4	0.068	0.033	3.8741	
10080 minute summer	S30	1.007	S33	14.0	0.310	0.197	2.8200	
10080 minute summer	S31	10.000	S32	0.6	0.086	0.009	5.4659	
10080 minute summer	S32	10.001	S33	1.2	0.088	0.016	7.1378	
10080 minute summer	S33	1.008	S34	15.3	0.330	0.216	3.1002	
10080 minute summer	S34	1.009	S35	15.6	0.324	0.219	5.6669	
10080 minute summer	S35	1.010	S37	15.5	0.317	0.234	1.2732	
10080 minute summer	S36	11.000	S37	-0.3	0.011	-0.005	6.1703	
10080 minute summer	S37	1.011	S38	16.7	0.327	0.236	11.0759	
10080 minute summer	S38	1.012	S39	16.6	0.290	0.233	12.5964	
10080 minute summer	S39	1.013	S57	16.6	0.274	0.261	1.1000	
10080 minute summer	S56	12.011	S57	0.2	-0.011	0.002	1.9165	
10080 minute summer	S57	1.014	S127	16.5	0.271	0.234	4.2079	
10080 minute summer	S125	21.003	S127	0.5	-0.007	0.007	7.3188	
10080 minute summer	S127	1.015	S60	16.4	0.258	0.230	4.2477	
10080 minute summer	S119	22.003	S60	0.4	-0.004	0.006	7.5013	
10080 minute summer	S60	1.016	Pond Inlet 1	16.3	0.326	0.215	4.6676	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	8.2	0.005	0.000	2384.1035	
10080 minute summer	Pond Outlet	1.018	S13	-0.1	0.039	-0.001	0.4779	
10080 minute summer	S13	Pump	Final Outfall	0.0				0.0
10080 minute summer	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
10080 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
10080 minute summer	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
10080 minute summer	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
10080 minute summer	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
10080 minute summer	PP-S1	4.000_1	S1	0.6	0.517	0.009	0.0058	

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Results for 30 year 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	PP-S5	5100	0.512	0.012	0.4	0.1671	0.0000	OK
10080 minute summer	PP-S12	4080	0.506	0.006	0.1	0.0530	0.0000	OK
10080 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S2	4920	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute summer	PP-S15	5100	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute summer	PP-S75	5100	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute summer	PP-S24	5100	0.510	0.010	0.4	0.1471	0.0000	OK
10080 minute summer	PP-S30	4080	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute summer	PP-S33	4980	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute summer	PP-S34	4920	0.509	0.009	0.3	0.1114	0.0000	OK
10080 minute summer	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S36	4560	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
10080 minute summer	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
10080 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
10080 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
10080 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
10080 minute summer	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
10080 minute summer	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
10080 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
10080 minute summer	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
10080 minute summer	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 30 year 10080 minute winter. 11520 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 (m³)	Flood (m³)	Status
10080 minute winter	S26	9960	-0.132	0.106	0.1	0.1875	0.0000	OK
10080 minute winter	S25	10500	-0.132	0.112	0.1	0.2853	0.0000	OK
10080 minute winter	S16	10500	-0.132	0.135	0.9	0.5989	0.0000	OK
10080 minute winter	S145	11400	-0.132	0.183	1.8	0.7887	0.0000	OK
10080 minute winter	S4	10200	-0.132	0.111	0.2	0.1964	0.0000	OK
10080 minute winter	S5	9960	-0.132	0.152	0.5	0.2689	0.0000	OK
10080 minute winter	S9	11340	-0.132	0.164	0.2	0.3783	0.0000	OK
10080 minute winter	S10	11340	-0.132	0.189	0.2	0.3343	0.0000	OK
10080 minute winter	S11	11340	-0.132	0.194	0.7	0.3431	0.0000	OK
10080 minute winter	S12	11340	-0.132	0.203	0.8	0.3589	0.0000	OK
10080 minute winter	S1	10800	-0.132	0.132	0.7	0.3111	0.0000	OK
10080 minute winter	S3	11340	-0.132	0.175	1.1	0.5598	0.0000	OK
10080 minute winter	S2	9960	-0.132	0.204	1.2	0.3606	0.0000	OK
10080 minute winter	S14	10440	-0.132	0.177	0.1	0.3129	0.0000	OK
10080 minute winter	S15	9960	-0.132	0.214	2.7	0.9635	0.0000	OK
10080 minute winter	S75	9960	-0.132	0.230	4.6	0.5855	0.0000	OK
10080 minute winter	S87	11340	-0.132	0.154	0.4	0.4999	0.0000	OK
10080 minute winter	S88	11400	-0.132	0.176	0.8	0.5742	0.0000	OK
10080 minute winter	S89	10800	-0.132	0.198	1.2	0.6418	0.0000	OK
10080 minute winter	S90	10800	-0.132	0.220	1.6	0.7009	0.0000	OK
10080 minute winter	S92	10800	-0.132	0.247	6.5	0.6288	0.0000	OK
10080 minute winter	S81	11340	-0.132	0.170	0.4	0.5494	0.0000	OK
10080 minute winter	S82	11340	-0.132	0.192	0.8	0.6239	0.0000	OK
10080 minute winter	S83	11280	-0.132	0.213	1.2	0.6879	0.0000	OK
10080 minute winter	S84	11340	-0.132	0.235	1.6	0.7456	0.0000	OK
10080 minute winter	S86	9960	-0.132	0.261	8.0	0.6644	0.0000	OK
10080 minute winter	S76	9960	-0.132	0.185	0.4	0.5950	0.0000	OK
10080 minute winter	S77	9960	-0.132	0.207	0.8	0.6696	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S26	1.000	S16	0.1	0.047	0.001	1.9868	
10080 minute winter	S25	2.000	S16	0.1	0.043	0.001	1.6383	
10080 minute winter	S16	1.001	S145	0.9	0.120	0.013	4.7588	
10080 minute winter	S145	1.002	S75	1.8	0.120	0.025	6.7255	
10080 minute winter	S4	3.000	S5	0.2	0.078	0.003	3.2068	
10080 minute winter	S5	3.001	S11	0.5	0.101	0.007	4.6549	
10080 minute winter	S9	4.000	S10	0.2	0.061	0.003	2.9396	
10080 minute winter	S10	4.001	S11	0.2	0.038	0.003	0.5595	
10080 minute winter	S11	3.002	S12	0.7	0.086	0.010	1.2231	
10080 minute winter	S12	3.003	S15	0.8	0.057	0.012	1.6710	
10080 minute winter	S1	5.000	S3	0.7	0.106	0.010	4.0828	
10080 minute winter	S3	5.001	S2	1.1	0.103	0.016	3.6765	
10080 minute winter	S2	5.002	S15	1.2	0.087	0.018	1.5545	
10080 minute winter	S14	6.000	S15	0.2	0.004	0.003	4.9531	
10080 minute winter	S15	3.004	S75	2.7	0.121	0.037	2.4421	
10080 minute winter	S75	1.003	S92	4.6	0.174	0.064	2.8741	
10080 minute winter	S87	7.000	S88	0.5	0.088	0.007	2.2868	
10080 minute winter	S88	7.001	S89	0.8	0.107	0.011	2.7032	
10080 minute winter	S89	7.002	S90	1.2	0.108	0.017	3.1279	
10080 minute winter	S90	7.003	S92	1.6	0.089	0.023	4.5305	
10080 minute winter	S92	1.005	S86	6.5	0.212	0.091	2.5667	
10080 minute winter	S81	8.000	S82	0.4	0.084	0.006	2.5905	
10080 minute winter	S82	8.001	S83	0.8	0.105	0.011	3.0032	
10080 minute winter	S83	8.002	S84	1.2	0.103	0.017	3.4197	
10080 minute winter	S84	8.003	S86	1.6	0.076	0.022	4.6326	
10080 minute winter	S86	1.006	S30	8.0	0.245	0.113	2.7437	
10080 minute winter	S76	9.000	S77	0.4	0.080	0.006	2.8772	
10080 minute winter	S77	9.001	S78	0.8	0.099	0.011	3.3030	

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Results for 30 year 10080 minute winter. 11520 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 (m³)	Flood (m³)	Status
10080 minute winter	S78	11340	-0.132	0.229	1.2	0.7362	0.0000	OK
10080 minute winter	S79	11400	-0.132	0.250	1.6	0.7899	0.0000	OK
10080 minute winter	S30	9960	-0.132	0.275	9.7	0.7001	0.0000	OK
10080 minute winter	S31	9960	-0.132	0.204	0.4	0.6763	0.0000	OK
10080 minute winter	S32	9960	-0.132	0.247	0.8	0.7631	0.0000	OK
10080 minute winter	S33	9960	-0.132	0.291	10.6	0.7408	0.0000	OK
10080 minute winter	S34	9960	-0.132	0.307	10.8	0.5427	0.0000	OK
10080 minute winter	S35	9960	-0.132	0.334	10.8	0.5903	0.0000	OK
10080 minute winter	S36	11280	-0.132	0.310	0.2	0.5480	0.0000	OK
10080 minute winter	S37	9960	-0.132	0.339	11.6	1.6669	0.0000	OK
10080 minute winter	S38	9960	-0.132	0.384	11.6	0.6787	0.0000	OK
10080 minute winter	S39	9960	-0.132	0.430	11.5	0.7600	0.0000	OK
10080 minute winter	S56	11280	-0.132	0.427	0.1	0.7546	0.0000	OK
10080 minute winter	S57	11280	-0.132	0.433	11.5	1.1022	0.0000	OK
10080 minute winter	S125	10440	-0.132	0.423	0.5	0.7479	0.0000	OK
10080 minute winter	S127	10740	-0.132	0.447	11.4	1.1378	0.0000	OK
10080 minute winter	S119	10080	-0.132	0.437	0.2	0.7726	0.0000	OK
10080 minute winter	S60	11340	-0.132	0.461	11.4	1.1735	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	9660	-0.128	0.482	11.3	0.8515	0.0000	OK
10080 minute winter	Pond Outlet	11100	-0.133	0.477	5.7	0.5392	0.0000	SURCHARGED
10080 minute winter	S13	10200	-0.133	0.505	0.1	1.7485	0.0000	SURCHARGED
10080 minute winter	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S26	3360	0.509	0.009	0.1	0.0816	0.0000	OK
10080 minute winter	PP-S25	3480	0.507	0.007	0.1	0.0532	0.0000	OK
10080 minute winter	PP-S16	4260	0.509	0.009	0.2	0.0901	0.0000	OK
10080 minute winter	PP-S145	4020	0.508	0.008	0.2	0.0795	0.0000	OK
10080 minute winter	PP-S4	4440	0.510	0.010	0.2	0.1016	0.0000	OK
10080 minute winter	PP-S1	5280	0.514	0.014	0.5	1.8177	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S78	9.002	S79	1.2	0.098	0.017	3.7208	
10080 minute winter	S79	9.003	S30	1.6	0.069	0.022	4.6590	
10080 minute winter	S30	1.007	S33	9.7	0.284	0.136	3.3269	
10080 minute winter	S31	10.000	S32	0.4	0.084	0.006	6.8629	
10080 minute winter	S32	10.001	S33	0.8	0.037	0.011	8.5261	
10080 minute winter	S33	1.008	S34	10.6	0.303	0.150	3.6080	
10080 minute winter	S34	1.009	S35	10.8	0.298	0.151	6.4846	
10080 minute winter	S35	1.010	S37	10.7	0.292	0.162	1.4405	
10080 minute winter	S36	11.000	S37	0.4	0.011	0.005	7.0396	
10080 minute winter	S37	1.011	S38	11.6	0.306	0.164	12.3104	
10080 minute winter	S38	1.012	S39	11.5	0.286	0.161	13.5706	
10080 minute winter	S39	1.013	S57	11.5	0.272	0.181	1.1652	
10080 minute winter	S56	12.011	S57	-0.1	-0.003	-0.002	2.0328	
10080 minute winter	S57	1.014	S127	11.4	0.270	0.162	4.4192	
10080 minute winter	S125	21.003	S127	-0.5	-0.007	-0.007	7.7179	
10080 minute winter	S127	1.015	S60	11.4	0.268	0.159	4.3846	
10080 minute winter	S119	22.003	S60	0.3	-0.006	0.005	7.7845	
10080 minute winter	S60	1.016	Pond Inlet 1	11.3	0.334	0.149	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	-5.7	0.007	0.000	2590.0669	
10080 minute winter	Pond Outlet	1.018	S13	0.1	0.033	0.001	0.4779	
10080 minute winter	S13	Pump	Final Outfall	0.0				0.0
10080 minute winter	PP-S26	1.000_1	S26	0.1	0.243	0.003	0.0041	
10080 minute winter	PP-S25	2.000_1	S25	0.1	0.290	0.002	0.0017	
10080 minute winter	PP-S16	3.000_1	S16	0.2	0.381	0.003	0.0026	
10080 minute winter	PP-S145	4.000_2	S145	0.2	0.446	0.002	0.0022	
10080 minute winter	PP-S4	1.000_2	S4	0.2	0.337	0.004	0.0030	
10080 minute winter	PP-S1	4.000_1	S1	0.5	0.489	0.008	0.0051	

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Results for 30 year 10080 minute winter. 11520 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 (m³)	Flood (m³)	Status
10080 minute winter	PP-S5	4800	0.511	0.011	0.3	0.1311	0.0000	OK
10080 minute winter	PP-S12	3600	0.506	0.006	0.1	0.0530	0.0000	OK
10080 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S2	3240	0.506	0.006	0.1	0.0815	0.0000	OK
10080 minute winter	PP-S15	3480	0.506	0.006	0.1	0.0373	0.0000	OK
10080 minute winter	PP-S75	3480	0.506	0.006	0.1	0.0412	0.0000	OK
10080 minute winter	PP-S24	4800	0.509	0.009	0.3	0.1160	0.0000	OK
10080 minute winter	PP-S30	3600	0.505	0.005	0.1	0.0392	0.0000	OK
10080 minute winter	PP-S33	3300	0.505	0.005	0.1	0.0325	0.0000	OK
10080 minute winter	PP-S34	4020	0.507	0.007	0.2	0.0793	0.0000	OK
10080 minute winter	PP-S35	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S36	4440	0.507	0.007	0.2	0.0609	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	PP-S5	2.000_2	S5	0.3	0.455	0.004	0.0033	
10080 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
10080 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S2	10.000_1	S2	0.1	0.381	0.001	0.0013	
10080 minute winter	PP-S15	12.000_1	S15	0.1	0.390	0.001	0.0013	
10080 minute winter	PP-S75	13.000_1	S75	0.1	0.402	0.001	0.0012	
10080 minute winter	PP-S24	14.000_1	S92	0.3	0.575	0.003	0.0026	
10080 minute winter	PP-S30	18.000_1	S30	0.1	0.436	0.001	0.0011	
10080 minute winter	PP-S33	20.000_1	S33	0.1	0.444	0.001	0.0011	
10080 minute winter	PP-S34	21.000_1	S34	0.2	0.565	0.002	0.0018	
10080 minute winter	PP-S35	22.000_2	S35	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S36	23.000_2	S36	0.2	0.567	0.002	0.0018	

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Results for 100 year +20% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	12	0.732	0.970	35.5	1.7145	0.0000	SURCHARGED
15 minute summer	S25	23	0.717	0.961	52.0	2.4461	0.0000	SURCHARGED
15 minute summer	S16	12	0.762	1.029	198.4	4.5626	0.0000	SURCHARGED
15 minute summer	S145	15	0.712	1.027	175.8	4.4243	0.0000	SURCHARGED
15 minute summer	S4	13	0.833	1.076	92.4	1.9015	0.0000	SURCHARGED
15 minute summer	S5	25	0.680	0.964	159.1	1.7031	0.0000	SURCHARGED
15 minute summer	S9	23	0.675	0.971	44.1	2.2370	0.0000	SURCHARGED
15 minute summer	S10	23	0.674	0.995	50.4	1.7583	0.0000	SURCHARGED
15 minute summer	S11	23	0.675	1.001	222.1	1.7679	0.0000	SURCHARGED
15 minute summer	S12	23	0.673	1.008	213.5	1.7811	0.0000	SURCHARGED
15 minute summer	S1	29	0.670	0.934	38.5	2.1995	0.0000	SURCHARGED
15 minute summer	S3	25	0.669	0.976	113.2	3.1216	0.0000	SURCHARGED
15 minute summer	S2	24	0.669	1.005	57.4	1.7761	0.0000	SURCHARGED
15 minute summer	S14	28	0.663	0.972	67.8	1.7166	0.0000	SURCHARGED
15 minute summer	S15	22	0.670	1.016	288.0	4.5749	0.0000	SURCHARGED
15 minute summer	S75	17	0.709	1.071	288.8	2.7248	0.0000	SURCHARGED
15 minute summer	S87	11	1.300	1.586	73.0	5.1450	2.4715	FLOOD
15 minute summer	S88	11	1.300	1.608	124.5	5.2437	1.0777	FLOOD
15 minute summer	S89	12	1.239	1.569	182.6	5.0835	0.0000	FLOOD RISK
15 minute summer	S90	12	1.121	1.473	237.5	4.6925	0.0000	FLOOD RISK
15 minute summer	S92	13	0.872	1.251	368.4	3.1836	0.0000	SURCHARGED
15 minute summer	S81	11	1.300	1.602	73.0	5.1729	3.2972	FLOOD
15 minute summer	S82	11	1.300	1.624	116.2	5.2731	1.8838	FLOOD
15 minute summer	S83	11	1.280	1.625	169.9	5.2443	0.0000	FLOOD RISK
15 minute summer	S84	12	1.150	1.517	231.7	4.8124	0.0000	FLOOD RISK
15 minute summer	S86	12	0.932	1.325	218.2	3.3712	0.0000	SURCHARGED
15 minute summer	S76	11	1.300	1.617	73.0	5.1987	2.9552	FLOOD
15 minute summer	S77	11	1.300	1.639	118.7	5.2989	1.4565	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S26	1.000	S16	-34.5	-0.309	-0.487	9.2005	
15 minute summer	S25	2.000	S16	-52.0	-0.328	-0.737	7.3393	
15 minute summer	S16	1.001	S145	-133.3	-0.866	-1.869	15.0038	
15 minute summer	S145	1.002	S75	-86.3	-0.545	-1.223	15.0038	
15 minute summer	S4	3.000	S5	-92.4	-0.583	-1.311	13.1095	
15 minute summer	S5	3.001	S11	-147.8	-0.984	-2.070	13.1095	
15 minute summer	S9	4.000	S10	48.6	0.499	0.693	8.0648	
15 minute summer	S10	4.001	S11	-50.4	0.554	-0.663	1.3780	
15 minute summer	S11	3.002	S12	-188.0	-1.187	-2.665	2.8740	
15 minute summer	S12	3.003	S15	-209.3	-1.321	-3.040	3.6838	
15 minute summer	S1	5.000	S3	-31.0	-0.196	-0.436	13.5151	
15 minute summer	S3	5.001	S2	53.4	0.588	0.754	9.1848	
15 minute summer	S2	5.002	S15	-53.8	0.358	-0.789	3.4165	
15 minute summer	S14	6.000	S15	-67.8	-0.611	-0.963	11.8707	
15 minute summer	S15	3.004	S75	-191.5	-1.227	-2.675	4.9661	
15 minute summer	S75	1.003	S92	-284.0	-1.793	-3.991	5.3380	
15 minute summer	S87	7.000	S88	52.9	0.334	0.742	6.8747	
15 minute summer	S88	7.001	S89	111.1	0.701	1.557	6.8747	
15 minute summer	S89	7.002	S90	167.7	1.059	2.351	6.8747	
15 minute summer	S90	7.003	S92	222.7	1.406	3.161	8.6413	
15 minute summer	S92	1.005	S86	-145.6	-0.919	-2.050	4.4095	
15 minute summer	S81	8.000	S82	46.2	0.291	0.647	6.8747	
15 minute summer	S82	8.001	S83	98.3	0.621	1.411	6.8747	
15 minute summer	S83	8.002	S84	162.0	1.022	2.270	6.8747	
15 minute summer	S84	8.003	S86	218.2	1.377	3.072	8.1975	
15 minute summer	S86	1.006	S30	120.5	0.761	1.698	4.4165	
15 minute summer	S76	9.000	S77	47.5	0.300	0.665	6.8747	
15 minute summer	S77	9.001	S78	104.1	0.657	1.459	6.8747	

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Results for 100 year +20% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	11	1.265	1.626	175.7	5.2244	0.0000	FLOOD RISK
15 minute summer	S79	12	1.136	1.518	233.2	4.7963	0.0000	FLOOD RISK
15 minute summer	S30	12	0.922	1.329	269.8	3.3834	0.0000	SURCHARGED
15 minute summer	S31	11	1.141	1.477	78.8	4.8906	0.0000	FLOOD RISK
15 minute summer	S32	11	1.169	1.548	142.2	4.7794	0.0000	FLOOD RISK
15 minute summer	S33	12	0.830	1.253	313.5	3.1895	0.0000	SURCHARGED
15 minute summer	S34	15	0.696	1.135	230.6	2.0056	0.0000	SURCHARGED
15 minute summer	S35	16	0.623	1.089	210.8	1.9234	0.0000	SURCHARGED
15 minute summer	S36	18	0.601	1.043	38.1	1.8437	0.0000	SURCHARGED
15 minute summer	S37	16	0.596	1.067	304.4	5.2468	0.0000	SURCHARGED
15 minute summer	S38	17	0.333	0.849	213.9	1.5002	0.0000	SURCHARGED
15 minute summer	S39	20	0.079	0.641	188.8	1.1320	0.0000	SURCHARGED
15 minute summer	S56	20	0.034	0.593	30.2	1.0476	0.0000	SURCHARGED
15 minute summer	S57	20	0.034	0.599	190.6	1.5234	0.0000	SURCHARGED
15 minute summer	S125	18	-0.062	0.493	62.6	0.8715	0.0000	SURCHARGED
15 minute summer	S127	20	-0.065	0.514	186.6	1.3090	0.0000	SURCHARGED
15 minute summer	S119	19	-0.154	0.415	42.3	0.7334	0.0000	OK
15 minute summer	S60	21	-0.159	0.434	163.3	1.1052	0.0000	OK
15 minute summer	Pond Inlet 1	20	-0.287	0.323	161.0	0.5706	0.0000	OK
15 minute summer	Pond Outlet	1352	-0.436	0.174	131.0	0.1963	0.0000	OK
15 minute summer	S13	1107	-0.436	0.202	1.2	0.6986	0.0000	OK
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute summer	PP-S26	23	0.726	0.226	51.6	21.6539	0.0000	SURCHARGED
15 minute summer	PP-S25	24	0.718	0.218	64.7	18.0960	0.0000	OK
15 minute summer	PP-S16	23	0.721	0.221	77.7	29.7706	0.0000	OK
15 minute summer	PP-S145	21	0.710	0.210	73.3	29.2099	0.0000	OK
15 minute summer	PP-S4	25	0.684	0.184	51.3	22.1259	0.0000	OK
15 minute summer	PP-S1	30	0.671	0.171	73.7	57.0195	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S78	9.002	S79	163.4	1.032	2.346	6.8745	
15 minute summer	S79	9.003	S30	216.0	1.363	3.003	7.6907	
15 minute summer	S30	1.007	S33	226.6	1.430	3.183	5.0209	
15 minute summer	S31	10.000	S32	76.1	0.480	1.076	13.6740	
15 minute summer	S32	10.001	S33	146.3	0.923	2.044	13.6740	
15 minute summer	S33	1.008	S34	222.3	1.403	3.151	5.1108	
15 minute summer	S34	1.009	S35	209.0	1.319	2.942	8.5103	
15 minute summer	S35	1.010	S37	184.0	1.161	2.769	1.7947	
15 minute summer	S36	11.000	S37	38.3	-0.285	0.538	9.1184	
15 minute summer	S37	1.011	S38	213.9	1.350	3.027	14.3287	
15 minute summer	S38	1.012	S39	188.8	1.228	2.642	14.3287	
15 minute summer	S39	1.013	S57	190.6	1.278	3.008	1.1814	
15 minute summer	S56	12.011	S57	-30.2	-0.629	-0.444	2.0645	
15 minute summer	S57	1.014	S127	180.2	1.294	2.548	4.4483	
15 minute summer	S125	21.003	S127	-62.6	-0.594	-0.896	7.8151	
15 minute summer	S127	1.015	S60	163.3	1.334	2.293	4.3639	
15 minute summer	S119	22.003	S60	-42.3	-0.557	-0.605	7.6175	
15 minute summer	S60	1.016	Pond Inlet 1	161.0	1.137	2.127	4.1546	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	131.0	0.054	0.003	890.7617	
15 minute summer	Pond Outlet	1.018	S13	1.2	0.328	0.017	0.3142	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	-41.3	-1.461	-1.076	0.3976	
15 minute summer	PP-S25	2.000_1	S25	-55.8	-1.997	-0.971	0.1978	
15 minute summer	PP-S16	3.000_1	S16	-61.9	-2.130	-0.916	0.1983	
15 minute summer	PP-S145	4.000_2	S145	-53.9	-1.638	-0.638	0.1959	
15 minute summer	PP-S4	1.000_2	S4	-36.0	-1.330	-0.631	0.1865	
15 minute summer	PP-S1	4.000_1	S1	-35.6	-1.868	-0.538	0.1802	

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Results for 100 year +20% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	25	0.681	0.181	45.3	26.1613	0.0000	OK
15 minute summer	PP-S12	23	0.674	0.174	55.4	17.2057	0.0000	OK
15 minute summer	PP-S14	43	0.628	0.128	49.0	57.4824	0.0000	OK
15 minute summer	PP-S2	20	0.671	0.171	52.8	17.8875	0.0000	OK
15 minute summer	PP-S15	18	0.672	0.172	32.6	9.3662	0.0000	OK
15 minute summer	PP-S75	17	0.712	0.212	62.9	12.9591	0.0000	OK
15 minute summer	PP-S24	18	0.757	0.257	116.8	35.2205	0.0000	SURCHARGED
15 minute summer	PP-S30	15	0.856	0.356	106.5	20.6214	0.0000	SURCHARGED
15 minute summer	PP-S33	15	0.798	0.298	95.9	17.5651	0.0000	SURCHARGED
15 minute summer	PP-S34	18	0.694	0.194	73.3	23.8660	0.0000	OK
15 minute summer	PP-S35	16	0.626	0.126	16.1	3.3034	0.0000	OK
15 minute summer	PP-S36	18	0.603	0.103	26.2	8.8883	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	PP-S5	2.000_2	S5	-22.7	1.300	-0.306	0.1852	
15 minute summer	PP-S12	8.000_1	S12	-47.2	-1.646	-0.519	0.1819	
15 minute summer	PP-S14	11.000_1	S14	-48.4	-1.720	-0.585	0.1575	
15 minute summer	PP-S2	10.000_1	S2	-40.8	-1.347	-0.447	0.1805	
15 minute summer	PP-S15	12.000_1	S15	23.8	1.229	0.252	0.1809	
15 minute summer	PP-S75	13.000_1	S75	-54.0	-1.671	-0.546	0.1966	
15 minute summer	PP-S24	14.000_1	S92	-94.8	-2.801	-0.924	0.1989	
15 minute summer	PP-S30	18.000_1	S30	-98.4	-2.782	-0.884	0.1989	
15 minute summer	PP-S33	20.000_1	S33	-86.5	-2.388	-0.758	0.1989	
15 minute summer	PP-S34	21.000_1	S34	-54.4	-1.789	-0.460	0.1906	
15 minute summer	PP-S35	22.000_2	S35	16.1	1.023	0.130	0.1568	
15 minute summer	PP-S36	23.000_2	S36	32.1	1.718	0.270	0.1436	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	23	0.760	0.998	69.2	1.7636	0.0000	SURCHARGED
15 minute winter	S25	23	0.755	0.999	73.1	2.5412	0.0000	SURCHARGED
15 minute winter	S16	23	0.755	1.022	239.6	4.5324	0.0000	SURCHARGED
15 minute winter	S145	15	0.748	1.063	190.0	4.5766	0.0000	SURCHARGED
15 minute winter	S4	26	0.713	0.956	97.7	1.6889	0.0000	SURCHARGED
15 minute winter	S5	25	0.709	0.993	199.7	1.7544	0.0000	SURCHARGED
15 minute winter	S9	13	0.712	1.008	68.1	2.3231	0.0000	SURCHARGED
15 minute winter	S10	23	0.701	1.022	84.5	1.8061	0.0000	SURCHARGED
15 minute winter	S11	25	0.701	1.027	217.9	1.8151	0.0000	SURCHARGED
15 minute winter	S12	23	0.701	1.036	217.8	1.8299	0.0000	SURCHARGED
15 minute winter	S1	29	0.699	0.963	116.9	2.2680	0.0000	SURCHARGED
15 minute winter	S3	24	0.697	1.004	114.8	3.2117	0.0000	SURCHARGED
15 minute winter	S2	23	0.698	1.034	56.3	1.8278	0.0000	SURCHARGED
15 minute winter	S14	30	0.685	0.994	90.9	1.7567	0.0000	SURCHARGED
15 minute winter	S15	23	0.699	1.045	274.6	4.7043	0.0000	SURCHARGED
15 minute winter	S75	16	0.746	1.108	298.7	2.8208	0.0000	SURCHARGED
15 minute winter	S87	11	1.300	1.586	76.7	5.1450	4.2909	FLOOD
15 minute winter	S88	11	1.300	1.608	128.6	5.2437	2.2504	FLOOD
15 minute winter	S89	11	1.290	1.620	176.1	5.2514	0.0000	FLOOD RISK
15 minute winter	S90	11	1.195	1.547	225.9	4.9272	0.0000	FLOOD RISK
15 minute winter	S92	12	0.914	1.293	376.5	3.2899	0.0000	SURCHARGED
15 minute winter	S81	11	1.300	1.602	76.7	5.1729	5.2080	FLOOD
15 minute winter	S82	11	1.300	1.624	127.0	5.2731	3.5107	FLOOD
15 minute winter	S83	11	1.298	1.643	175.0	5.3050	0.0000	FLOOD RISK
15 minute winter	S84	11	1.222	1.589	223.8	5.0397	0.0000	FLOOD RISK
15 minute winter	S86	11	0.987	1.380	205.7	3.5130	0.0000	SURCHARGED
15 minute winter	S76	11	1.300	1.617	76.7	5.1987	4.6724	FLOOD
15 minute winter	S77	11	1.300	1.639	126.4	5.2989	3.4242	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S26	1.000	S16	-65.6	-0.415	-0.927	9.2005	
15 minute winter	S25	2.000	S16	-68.9	-0.435	-0.977	7.3393	
15 minute winter	S16	1.001	S145	-166.6	-1.051	-2.335	15.0038	
15 minute winter	S145	1.002	S75	-94.5	-0.596	-1.339	15.0038	
15 minute winter	S4	3.000	S5	-89.9	-0.697	-1.275	13.1095	
15 minute winter	S5	3.001	S11	-187.2	-1.182	-2.623	13.1095	
15 minute winter	S9	4.000	S10	-41.7	0.491	-0.594	8.0648	
15 minute winter	S10	4.001	S11	-84.5	0.616	-1.110	1.3780	
15 minute winter	S11	3.002	S12	-217.9	-1.376	-3.089	2.8740	
15 minute winter	S12	3.003	S15	-214.1	-1.351	-3.110	3.6838	
15 minute winter	S1	5.000	S3	-84.9	-0.536	-1.193	13.5151	
15 minute winter	S3	5.001	S2	54.1	0.573	0.763	9.1848	
15 minute winter	S2	5.002	S15	-49.9	0.407	-0.733	3.4165	
15 minute winter	S14	6.000	S15	-90.8	-0.625	-1.291	11.8707	
15 minute winter	S15	3.004	S75	-198.3	-1.252	-2.770	4.9661	
15 minute winter	S75	1.003	S92	-294.7	-1.860	-4.141	5.3380	
15 minute winter	S87	7.000	S88	49.9	0.315	0.699	6.8747	
15 minute winter	S88	7.001	S89	97.3	0.614	1.364	6.8747	
15 minute winter	S89	7.002	S90	149.4	0.943	2.094	6.8747	
15 minute winter	S90	7.003	S92	221.7	1.400	3.146	8.6413	
15 minute winter	S92	1.005	S86	-154.8	-0.977	-2.179	4.4095	
15 minute winter	S81	8.000	S82	48.2	0.305	0.676	6.8747	
15 minute winter	S82	8.001	S83	96.3	0.608	1.382	6.8747	
15 minute winter	S83	8.002	S84	147.1	0.928	2.062	6.8747	
15 minute winter	S84	8.003	S86	205.7	1.299	2.897	8.1975	
15 minute winter	S86	1.006	S30	123.5	0.780	1.740	4.4165	
15 minute winter	S76	9.000	S77	47.7	0.301	0.669	6.8747	
15 minute winter	S77	9.001	S78	98.1	0.619	1.375	6.8747	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	11	1.300	1.661	176.8	5.3385	0.0870	FLOOD
15 minute winter	S79	11	1.217	1.599	225.2	5.0518	0.0000	FLOOD RISK
15 minute winter	S30	13	0.967	1.374	267.2	3.4979	0.0000	SURCHARGED
15 minute winter	S31	11	1.197	1.533	113.0	5.0762	0.0000	FLOOD RISK
15 minute winter	S32	11	1.055	1.434	157.3	4.4293	0.0000	SURCHARGED
15 minute winter	S33	13	0.869	1.292	314.7	3.2879	0.0000	SURCHARGED
15 minute winter	S34	16	0.749	1.188	226.5	2.0991	0.0000	SURCHARGED
15 minute winter	S35	16	0.670	1.136	209.7	2.0075	0.0000	SURCHARGED
15 minute winter	S36	19	0.640	1.082	67.2	1.9127	0.0000	SURCHARGED
15 minute winter	S37	16	0.639	1.110	280.4	5.4567	0.0000	SURCHARGED
15 minute winter	S38	18	0.364	0.880	238.9	1.5549	0.0000	SURCHARGED
15 minute winter	S39	18	0.099	0.661	208.7	1.1677	0.0000	SURCHARGED
15 minute winter	S56	18	0.051	0.610	19.8	1.0782	0.0000	SURCHARGED
15 minute winter	S57	18	0.051	0.616	188.6	1.5681	0.0000	SURCHARGED
15 minute winter	S125	19	-0.053	0.502	45.6	0.8877	0.0000	SURCHARGED
15 minute winter	S127	20	-0.054	0.525	181.2	1.3349	0.0000	SURCHARGED
15 minute winter	S119	17	-0.146	0.423	37.1	0.7481	0.0000	OK
15 minute winter	S60	19	-0.151	0.442	171.1	1.1254	0.0000	OK
15 minute winter	Pond Inlet 1	19	-0.282	0.328	165.4	0.5791	0.0000	OK
15 minute winter	Pond Outlet	1423	-0.419	0.191	137.4	0.2160	0.0000	OK
15 minute winter	S13	956	-0.419	0.219	1.2	0.7588	0.0000	OK
15 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute winter	PP-S26	23	0.764	0.264	48.4	25.8565	0.0000	SURCHARGED
15 minute winter	PP-S25	24	0.755	0.255	61.3	21.6235	0.0000	SURCHARGED
15 minute winter	PP-S16	23	0.759	0.259	71.9	36.2970	0.0000	SURCHARGED
15 minute winter	PP-S145	21	0.748	0.248	85.0	36.0156	0.0000	SURCHARGED
15 minute winter	PP-S4	26	0.714	0.214	59.2	26.7953	0.0000	OK
15 minute winter	PP-S1	30	0.700	0.200	86.9	67.4216	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S78	9.002	S79	148.5	0.937	2.132	6.8745	
15 minute winter	S79	9.003	S30	213.0	1.344	2.961	7.6907	
15 minute winter	S30	1.007	S33	212.3	1.340	2.982	5.0209	
15 minute winter	S31	10.000	S32	88.8	0.560	1.256	13.6740	
15 minute winter	S32	10.001	S33	159.3	1.005	2.226	13.6740	
15 minute winter	S33	1.008	S34	226.5	1.430	3.211	5.1108	
15 minute winter	S34	1.009	S35	208.1	1.314	2.930	8.5103	
15 minute winter	S35	1.010	S37	193.1	1.219	2.907	1.7947	
15 minute winter	S36	11.000	S37	-59.6	-0.409	-0.838	9.1184	
15 minute winter	S37	1.011	S38	238.9	1.510	3.382	14.3287	
15 minute winter	S38	1.012	S39	208.7	1.355	2.921	14.3287	
15 minute winter	S39	1.013	S57	188.6	1.376	2.976	1.1814	
15 minute winter	S56	12.011	S57	-19.8	-0.314	-0.292	2.0645	
15 minute winter	S57	1.014	S127	181.2	1.289	2.562	4.4483	
15 minute winter	S125	21.003	S127	-45.6	-0.686	-0.653	7.8151	
15 minute winter	S127	1.015	S60	171.1	1.383	2.402	4.3785	
15 minute winter	S119	22.003	S60	-37.1	-0.592	-0.532	7.6788	
15 minute winter	S60	1.016	Pond Inlet 1	165.4	1.146	2.185	4.2002	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	137.4	0.055	0.003	983.6010	
15 minute winter	Pond Outlet	1.018	S13	1.2	0.334	0.016	0.3476	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	-36.9	-1.418	-0.960	0.3977	
15 minute winter	PP-S25	2.000_1	S25	-51.3	-1.884	-0.893	0.1989	
15 minute winter	PP-S16	3.000_1	S16	-53.0	-1.629	-0.785	0.1989	
15 minute winter	PP-S145	4.000_2	S145	-63.1	-2.031	-0.748	0.1989	
15 minute winter	PP-S4	1.000_2	S4	-42.5	-1.746	-0.746	0.1970	
15 minute winter	PP-S1	4.000_1	S1	-42.8	-1.510	-0.646	0.1927	

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Results for 100 year +20% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	25	0.710	0.210	53.7	31.8835	0.0000	OK
15 minute winter	PP-S12	22	0.702	0.202	54.4	20.2467	0.0000	OK
15 minute winter	PP-S14	45	0.653	0.153	54.9	73.3387	0.0000	OK
15 minute winter	PP-S2	20	0.702	0.202	57.9	21.3613	0.0000	OK
15 minute winter	PP-S15	17	0.701	0.201	45.7	11.1172	0.0000	OK
15 minute winter	PP-S75	17	0.753	0.253	68.7	15.6389	0.0000	SURCHARGED
15 minute winter	PP-S24	18	0.811	0.311	128.0	43.5928	0.0000	SURCHARGED
15 minute winter	PP-S30	15	0.938	0.438	121.6	25.5433	0.0000	SURCHARGED
15 minute winter	PP-S33	16	0.865	0.365	102.4	21.7458	0.0000	SURCHARGED
15 minute winter	PP-S34	19	0.746	0.246	82.3	31.1741	0.0000	SURCHARGED
15 minute winter	PP-S35	16	0.673	0.173	20.6	4.5845	0.0000	OK
15 minute winter	PP-S36	19	0.644	0.144	34.9	13.8552	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	PP-S5	2.000_2	S5	-29.0	1.335	-0.391	0.1959	
15 minute winter	PP-S12	8.000_1	S12	-45.0	-1.394	-0.495	0.1933	
15 minute winter	PP-S14	11.000_1	S14	-54.3	-1.883	-0.655	0.1711	
15 minute winter	PP-S2	10.000_1	S2	-44.3	-1.439	-0.485	0.1934	
15 minute winter	PP-S15	12.000_1	S15	-35.7	1.269	-0.379	0.1932	
15 minute winter	PP-S75	13.000_1	S75	-59.1	-1.969	-0.598	0.1989	
15 minute winter	PP-S24	14.000_1	S92	-104.0	-3.082	-1.014	0.1989	
15 minute winter	PP-S30	18.000_1	S30	-112.9	-3.146	-1.014	0.1989	
15 minute winter	PP-S33	20.000_1	S33	-92.3	-2.851	-0.808	0.1989	
15 minute winter	PP-S34	21.000_1	S34	-61.1	-1.907	-0.517	0.1989	
15 minute winter	PP-S35	22.000_2	S35	-17.4	1.067	-0.140	0.1814	
15 minute winter	PP-S36	23.000_2	S36	36.7	1.638	0.308	0.1663	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	33	0.804	1.042	33.7	1.8412	0.0000	SURCHARGED
30 minute summer	S25	34	0.803	1.047	42.0	2.6658	0.0000	SURCHARGED
30 minute summer	S16	34	0.802	1.069	152.3	4.7390	0.0000	SURCHARGED
30 minute summer	S145	31	0.791	1.106	159.9	4.7613	0.0000	SURCHARGED
30 minute summer	S4	19	0.766	1.009	48.7	1.7836	0.0000	SURCHARGED
30 minute summer	S5	36	0.753	1.037	146.8	1.8332	0.0000	SURCHARGED
30 minute summer	S9	34	0.747	1.043	23.8	2.4034	0.0000	SURCHARGED
30 minute summer	S10	34	0.747	1.068	28.2	1.8877	0.0000	SURCHARGED
30 minute summer	S11	34	0.747	1.073	199.4	1.8967	0.0000	SURCHARGED
30 minute summer	S12	34	0.747	1.082	200.0	1.9115	0.0000	SURCHARGED
30 minute summer	S1	40	0.746	1.010	47.1	2.3782	0.0000	SURCHARGED
30 minute summer	S3	34	0.744	1.051	89.8	3.3597	0.0000	SURCHARGED
30 minute summer	S2	33	0.746	1.082	65.4	1.9114	0.0000	SURCHARGED
30 minute summer	S14	39	0.723	1.032	61.0	1.8234	0.0000	SURCHARGED
30 minute summer	S15	33	0.746	1.092	274.9	4.9156	0.0000	SURCHARGED
30 minute summer	S75	31	0.780	1.142	268.5	2.9070	0.0000	SURCHARGED
30 minute summer	S87	18	1.300	1.586	65.0	5.1450	3.4455	FLOOD
30 minute summer	S88	18	1.300	1.608	114.0	5.2437	1.8085	FLOOD
30 minute summer	S89	18	1.279	1.609	164.2	5.2137	0.0000	FLOOD RISK
30 minute summer	S90	18	1.153	1.505	217.1	4.7929	0.0000	FLOOD RISK
30 minute summer	S92	20	0.928	1.307	349.3	3.3263	0.0000	SURCHARGED
30 minute summer	S81	18	1.300	1.602	65.0	5.1729	4.6946	FLOOD
30 minute summer	S82	18	1.300	1.624	107.7	5.2731	2.9485	FLOOD
30 minute summer	S83	18	1.300	1.645	145.7	5.3100	0.0000	FLOOD RISK
30 minute summer	S84	18	1.203	1.570	211.0	4.9796	0.0000	FLOOD RISK
30 minute summer	S86	20	0.991	1.384	202.9	3.5213	0.0000	SURCHARGED
30 minute summer	S76	18	1.300	1.617	65.0	5.1987	4.4233	FLOOD
30 minute summer	S77	18	1.300	1.639	107.4	5.2989	2.1765	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S26	1.000	S16	-33.7	-0.213	-0.476	9.2005	
30 minute summer	S25	2.000	S16	-42.0	-0.265	-0.595	7.3393	
30 minute summer	S16	1.001	S145	-95.2	-0.601	-1.335	15.0038	
30 minute summer	S145	1.002	S75	-77.4	-0.489	-1.098	15.0038	
30 minute summer	S4	3.000	S5	-41.7	-0.378	-0.592	13.1095	
30 minute summer	S5	3.001	S11	-135.5	-0.882	-1.898	13.1095	
30 minute summer	S9	4.000	S10	16.3	0.293	0.232	8.0648	
30 minute summer	S10	4.001	S11	-26.3	0.455	-0.346	1.3780	
30 minute summer	S11	3.002	S12	-187.8	-1.185	-2.662	2.8740	
30 minute summer	S12	3.003	S15	-196.0	-1.237	-2.846	3.6838	
30 minute summer	S1	5.000	S3	-39.5	-0.250	-0.556	13.5151	
30 minute summer	S3	5.001	S2	60.8	0.384	0.858	9.1848	
30 minute summer	S2	5.002	S15	-50.5	-0.319	-0.741	3.4165	
30 minute summer	S14	6.000	S15	-61.0	-0.385	-0.867	11.8707	
30 minute summer	S15	3.004	S75	-179.1	-1.131	-2.502	4.9661	
30 minute summer	S75	1.003	S92	-264.1	-1.667	-3.711	5.3380	
30 minute summer	S87	7.000	S88	47.3	0.299	0.663	6.8747	
30 minute summer	S88	7.001	S89	97.5	0.615	1.366	6.8747	
30 minute summer	S89	7.002	S90	152.1	0.960	2.132	6.8747	
30 minute summer	S90	7.003	S92	206.1	1.301	2.924	8.6413	
30 minute summer	S92	1.005	S86	-143.3	-0.904	-2.016	4.4095	
30 minute summer	S81	8.000	S82	42.5	0.268	0.595	6.8747	
30 minute summer	S82	8.001	S83	85.5	0.540	1.228	6.8747	
30 minute summer	S83	8.002	S84	146.0	0.922	2.047	6.8747	
30 minute summer	S84	8.003	S86	202.9	1.281	2.857	8.1975	
30 minute summer	S86	1.006	S30	126.2	0.797	1.778	4.4165	
30 minute summer	S76	9.000	S77	42.2	0.266	0.592	6.8747	
30 minute summer	S77	9.001	S78	85.6	0.541	1.200	6.8747	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	18	1.289	1.650	151.7	5.3020	0.0000	FLOOD RISK
30 minute summer	S79	18	1.177	1.559	217.4	4.9244	0.0000	FLOOD RISK
30 minute summer	S30	20	0.984	1.391	258.1	3.5398	0.0000	SURCHARGED
30 minute summer	S31	19	1.027	1.363	70.2	4.5146	0.0000	SURCHARGED
30 minute summer	S32	19	1.001	1.380	129.3	4.2627	0.0000	SURCHARGED
30 minute summer	S33	20	0.887	1.310	278.6	3.3340	0.0000	SURCHARGED
30 minute summer	S34	23	0.773	1.212	198.3	2.1423	0.0000	SURCHARGED
30 minute summer	S35	24	0.689	1.155	183.6	2.0408	0.0000	SURCHARGED
30 minute summer	S36	27	0.661	1.103	31.5	1.9482	0.0000	SURCHARGED
30 minute summer	S37	24	0.658	1.129	256.7	5.5509	0.0000	SURCHARGED
30 minute summer	S38	24	0.383	0.899	202.8	1.5878	0.0000	SURCHARGED
30 minute summer	S39	25	0.107	0.669	187.8	1.1828	0.0000	SURCHARGED
30 minute summer	S56	25	0.059	0.618	13.4	1.0923	0.0000	SURCHARGED
30 minute summer	S57	25	0.059	0.624	182.0	1.5881	0.0000	SURCHARGED
30 minute summer	S125	28	-0.046	0.509	55.3	0.8998	0.0000	SURCHARGED
30 minute summer	S127	25	-0.046	0.533	188.5	1.3573	0.0000	SURCHARGED
30 minute summer	S119	24	-0.143	0.426	40.7	0.7520	0.0000	OK
30 minute summer	S60	29	-0.146	0.447	169.4	1.1367	0.0000	OK
30 minute summer	Pond Inlet 1	29	-0.278	0.332	167.1	0.5864	0.0000	OK
30 minute summer	Pond Outlet	1240	-0.388	0.222	148.3	0.2515	0.0000	OK
30 minute summer	S13	1164	-0.388	0.250	1.3	0.8677	0.0000	OK
30 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute summer	PP-S26	34	0.806	0.306	44.7	30.4616	0.0000	SURCHARGED
30 minute summer	PP-S25	34	0.804	0.304	51.1	26.3229	0.0000	SURCHARGED
30 minute summer	PP-S16	34	0.804	0.304	66.1	44.0124	0.0000	SURCHARGED
30 minute summer	PP-S145	32	0.793	0.293	81.8	44.1817	0.0000	SURCHARGED
30 minute summer	PP-S4	37	0.758	0.258	96.8	33.7008	0.0000	SURCHARGED
30 minute summer	PP-S1	40	0.747	0.247	87.8	84.0903	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	S78	9.002	S79	152.4	0.962	2.187	6.8745	
30 minute summer	S79	9.003	S30	206.3	1.302	2.869	7.6907	
30 minute summer	S30	1.007	S33	158.0	0.997	2.220	5.0209	
30 minute summer	S31	10.000	S32	67.7	0.427	0.958	13.6740	
30 minute summer	S32	10.001	S33	131.7	0.831	1.840	13.6740	
30 minute summer	S33	1.008	S34	193.9	1.224	2.749	5.1108	
30 minute summer	S34	1.009	S35	181.9	1.148	2.561	8.5103	
30 minute summer	S35	1.010	S37	167.5	1.057	2.521	1.7947	
30 minute summer	S36	11.000	S37	32.0	0.202	0.451	9.1184	
30 minute summer	S37	1.011	S38	202.8	1.280	2.870	14.3287	
30 minute summer	S38	1.012	S39	187.8	1.199	2.628	14.3287	
30 minute summer	S39	1.013	S57	182.0	1.149	2.872	1.1814	
30 minute summer	S56	12.011	S57	-13.4	-0.340	-0.198	2.0645	
30 minute summer	S57	1.014	S127	180.2	1.279	2.548	4.4483	
30 minute summer	S125	21.003	S127	-55.3	-0.585	-0.792	7.8151	
30 minute summer	S127	1.015	S60	169.4	1.139	2.378	4.3845	
30 minute summer	S119	22.003	S60	-40.7	-0.524	-0.582	7.7154	
30 minute summer	S60	1.016	Pond Inlet 1	167.1	1.149	2.207	4.2308	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	148.3	0.057	0.003	1154.2513	
30 minute summer	Pond Outlet	1.018	S13	1.3	0.336	0.018	0.4033	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	-33.2	-1.160	-0.863	0.3977	
30 minute summer	PP-S25	2.000_1	S25	-41.5	-1.485	-0.722	0.1989	
30 minute summer	PP-S16	3.000_1	S16	-48.6	-1.491	-0.719	0.1989	
30 minute summer	PP-S145	4.000_2	S145	-61.3	-1.732	-0.727	0.1989	
30 minute summer	PP-S4	1.000_2	S4	-81.3	-2.714	-1.427	0.1989	
30 minute summer	PP-S1	4.000_1	S1	-50.1	-2.092	-0.756	0.1989	

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Results for 100 year +20% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	37	0.755	0.255	66.3	40.7689	0.0000	SURCHARGED
30 minute summer	PP-S12	34	0.747	0.247	56.1	25.3342	0.0000	SURCHARGED
30 minute summer	PP-S14	57	0.694	0.194	61.3	100.0446	0.0000	OK
30 minute summer	PP-S2	33	0.746	0.246	63.1	26.3668	0.0000	SURCHARGED
30 minute summer	PP-S15	33	0.747	0.247	48.1	13.8180	0.0000	SURCHARGED
30 minute summer	PP-S75	31	0.781	0.281	66.2	17.4488	0.0000	SURCHARGED
30 minute summer	PP-S24	27	0.846	0.346	126.2	49.1834	0.0000	SURCHARGED
30 minute summer	PP-S30	22	0.953	0.453	111.9	26.4581	0.0000	SURCHARGED
30 minute summer	PP-S33	23	0.893	0.393	94.1	23.5360	0.0000	SURCHARGED
30 minute summer	PP-S34	28	0.781	0.281	83.6	36.1646	0.0000	SURCHARGED
30 minute summer	PP-S35	24	0.690	0.190	19.2	5.0480	0.0000	OK
30 minute summer	PP-S36	27	0.664	0.164	37.8	16.3815	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	PP-S5	2.000_2	S5	-43.3	-1.438	-0.585	0.1989	
30 minute summer	PP-S12	8.000_1	S12	-47.4	-1.465	-0.521	0.1989	
30 minute summer	PP-S14	11.000_1	S14	-60.9	-1.952	-0.736	0.1906	
30 minute summer	PP-S2	10.000_1	S2	-50.5	-1.610	-0.553	0.1989	
30 minute summer	PP-S15	12.000_1	S15	-38.5	-1.268	-0.408	0.1989	
30 minute summer	PP-S75	13.000_1	S75	-56.9	-1.768	-0.576	0.1989	
30 minute summer	PP-S24	14.000_1	S92	-102.6	-2.869	-1.000	0.1989	
30 minute summer	PP-S30	18.000_1	S30	-103.6	-2.913	-0.931	0.1989	
30 minute summer	PP-S33	20.000_1	S33	-84.4	-2.514	-0.739	0.1989	
30 minute summer	PP-S34	21.000_1	S34	-63.4	-1.930	-0.536	0.1989	
30 minute summer	PP-S35	22.000_2	S35	-16.1	1.010	-0.130	0.1889	
30 minute summer	PP-S36	23.000_2	S36	31.5	1.667	0.265	0.1772	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S26	34	0.861	1.099	36.9	1.9413	0.0000	SURCHARGED
30 minute winter	S25	34	0.859	1.103	42.3	2.8064	0.0000	SURCHARGED
30 minute winter	S16	34	0.858	1.125	152.6	4.9865	0.0000	SURCHARGED
30 minute winter	S145	32	0.847	1.162	144.7	5.0042	0.0000	SURCHARGED
30 minute winter	S4	18	0.878	1.121	68.1	1.9803	0.0000	SURCHARGED
30 minute winter	S5	37	0.797	1.081	126.5	1.9095	0.0000	SURCHARGED
30 minute winter	S9	35	0.790	1.086	31.9	2.5012	0.0000	SURCHARGED
30 minute winter	S10	35	0.790	1.111	31.5	1.9624	0.0000	SURCHARGED
30 minute winter	S11	35	0.790	1.116	184.6	1.9714	0.0000	SURCHARGED
30 minute winter	S12	34	0.790	1.125	195.5	1.9873	0.0000	SURCHARGED
30 minute winter	S1	41	0.789	1.053	54.7	2.4790	0.0000	SURCHARGED
30 minute winter	S3	35	0.786	1.093	76.6	3.4939	0.0000	SURCHARGED
30 minute winter	S2	33	0.789	1.125	52.6	1.9880	0.0000	SURCHARGED
30 minute winter	S14	41	0.759	1.068	69.2	1.8878	0.0000	SURCHARGED
30 minute winter	S15	33	0.790	1.136	256.2	5.1129	0.0000	SURCHARGED
30 minute winter	S75	30	0.836	1.198	251.4	3.0494	0.0000	SURCHARGED
30 minute winter	S87	18	1.300	1.586	58.8	5.1450	4.0102	FLOOD
30 minute winter	S88	18	1.300	1.608	104.1	5.2437	1.2009	FLOOD
30 minute winter	S89	18	1.283	1.613	149.2	5.2282	0.0000	FLOOD RISK
30 minute winter	S90	18	1.179	1.531	203.9	4.8758	0.0000	FLOOD RISK
30 minute winter	S92	22	0.981	1.360	326.7	3.4600	0.0000	SURCHARGED
30 minute winter	S81	18	1.300	1.602	58.8	5.1729	5.6535	FLOOD
30 minute winter	S82	18	1.300	1.624	102.4	5.2731	2.1866	FLOOD
30 minute winter	S83	18	1.280	1.625	145.9	5.2467	0.0000	FLOOD RISK
30 minute winter	S84	18	1.194	1.561	193.1	4.9529	0.0000	FLOOD RISK
30 minute winter	S86	22	1.040	1.433	196.9	3.6477	0.0000	SURCHARGED
30 minute winter	S76	18	1.300	1.617	58.8	5.1987	5.1467	FLOOD
30 minute winter	S77	18	1.300	1.639	103.7	5.2989	1.5012	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S26	1.000	S16	-36.9	-0.233	-0.521	9.2005	
30 minute winter	S25	2.000	S16	-42.3	-0.267	-0.599	7.3393	
30 minute winter	S16	1.001	S145	-90.5	-0.571	-1.269	15.0038	
30 minute winter	S145	1.002	S75	-68.1	-0.430	-0.965	15.0038	
30 minute winter	S4	3.000	S5	-68.1	-0.430	-0.966	13.1095	
30 minute winter	S5	3.001	S11	-115.6	-0.768	-1.620	13.1095	
30 minute winter	S9	4.000	S10	21.4	0.319	0.305	8.0648	
30 minute winter	S10	4.001	S11	-31.5	0.475	-0.414	1.3780	
30 minute winter	S11	3.002	S12	-184.6	-1.165	-2.616	2.8740	
30 minute winter	S12	3.003	S15	-191.7	-1.210	-2.784	3.6838	
30 minute winter	S1	5.000	S3	-43.3	-0.273	-0.609	13.5151	
30 minute winter	S3	5.001	S2	49.5	0.389	0.699	9.1848	
30 minute winter	S2	5.002	S15	-51.6	-0.326	-0.758	3.4165	
30 minute winter	S14	6.000	S15	-69.2	-0.437	-0.984	11.8707	
30 minute winter	S15	3.004	S75	-172.8	-1.091	-2.414	4.9661	
30 minute winter	S75	1.003	S92	-247.2	-1.560	-3.473	5.3380	
30 minute winter	S87	7.000	S88	43.8	0.277	0.614	6.8747	
30 minute winter	S88	7.001	S89	89.0	0.561	1.247	6.8747	
30 minute winter	S89	7.002	S90	145.1	0.916	2.033	6.8747	
30 minute winter	S90	7.003	S92	201.7	1.273	2.862	8.6413	
30 minute winter	S92	1.005	S86	-130.9	-0.826	-1.842	4.4095	
30 minute winter	S81	8.000	S82	42.1	0.266	0.591	6.8747	
30 minute winter	S82	8.001	S83	85.6	0.540	1.229	6.8747	
30 minute winter	S83	8.002	S84	134.3	0.848	1.883	6.8747	
30 minute winter	S84	8.003	S86	196.9	1.243	2.772	8.1975	
30 minute winter	S86	1.006	S30	126.7	0.800	1.785	4.4165	
30 minute winter	S76	9.000	S77	43.4	0.274	0.608	6.8747	
30 minute winter	S77	9.001	S78	88.3	0.557	1.237	6.8747	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	18	1.274	1.635	148.5	5.2549	0.0000	FLOOD RISK
30 minute winter	S79	20	1.185	1.567	200.7	4.9498	0.0000	FLOOD RISK
30 minute winter	S30	22	1.041	1.448	271.6	3.6849	0.0000	SURCHARGED
30 minute winter	S31	19	1.045	1.381	63.5	4.5737	0.0000	SURCHARGED
30 minute winter	S32	19	1.011	1.390	120.0	4.2927	0.0000	SURCHARGED
30 minute winter	S33	24	0.967	1.390	271.4	3.5369	0.0000	SURCHARGED
30 minute winter	S34	28	0.846	1.285	195.9	2.2699	0.0000	SURCHARGED
30 minute winter	S35	29	0.747	1.213	170.2	2.1439	0.0000	SURCHARGED
30 minute winter	S36	28	0.715	1.157	36.6	2.0442	0.0000	SURCHARGED
30 minute winter	S37	29	0.712	1.183	237.7	5.8147	0.0000	SURCHARGED
30 minute winter	S38	29	0.422	0.938	198.3	1.6571	0.0000	SURCHARGED
30 minute winter	S39	29	0.132	0.694	183.4	1.2257	0.0000	SURCHARGED
30 minute winter	S56	29	0.080	0.639	15.6	1.1294	0.0000	SURCHARGED
30 minute winter	S57	29	0.080	0.645	182.0	1.6420	0.0000	SURCHARGED
30 minute winter	S125	29	-0.031	0.524	50.5	0.9267	0.0000	SURCHARGED
30 minute winter	S127	29	-0.031	0.548	181.0	1.3955	0.0000	SURCHARGED
30 minute winter	S119	30	-0.137	0.432	37.7	0.7629	0.0000	OK
30 minute winter	S60	30	-0.137	0.456	172.0	1.1598	0.0000	SURCHARGED
30 minute winter	Pond Inlet 1	30	-0.271	0.339	171.9	0.5987	0.0000	OK
30 minute winter	Pond Outlet	1380	-0.362	0.248	153.7	0.2800	0.0000	OK
30 minute winter	S13	1346	-0.362	0.276	1.2	0.9549	0.0000	OK
30 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute winter	PP-S26	34	0.863	0.363	49.1	36.7652	0.0000	SURCHARGED
30 minute winter	PP-S25	35	0.859	0.359	50.9	31.5451	0.0000	SURCHARGED
30 minute winter	PP-S16	35	0.860	0.360	71.9	53.6403	0.0000	SURCHARGED
30 minute winter	PP-S145	32	0.851	0.351	86.0	54.5193	0.0000	SURCHARGED
30 minute winter	PP-S4	38	0.801	0.301	89.3	40.5241	0.0000	SURCHARGED
30 minute winter	PP-S1	42	0.790	0.290	99.5	99.2605	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 winter	S78	9.002	S79	141.9	0.895	2.036	6.8745	
30 minute winter	S79	9.003	S30	201.4	1.271	2.801	7.6907	
30 minute winter	S30	1.007	S33	164.9	1.041	2.316	5.0209	
30 minute winter	S31	10.000	S32	64.3	0.406	0.910	13.6740	
30 minute winter	S32	10.001	S33	115.9	0.731	1.620	13.6740	
30 minute winter	S33	1.008	S34	195.9	1.237	2.778	5.1108	
30 minute winter	S34	1.009	S35	168.6	1.064	2.373	8.5103	
30 minute winter	S35	1.010	S37	156.9	0.990	2.361	1.7947	
30 minute winter	S36	11.000	S37	37.1	0.234	0.522	9.1184	
30 minute winter	S37	1.011	S38	198.3	1.252	2.807	14.3287	
30 minute winter	S38	1.012	S39	183.4	1.158	2.567	14.3287	
30 minute winter	S39	1.013	S57	182.0	1.149	2.872	1.1814	
30 minute winter	S56	12.011	S57	-15.6	-0.375	-0.229	2.0645	
30 minute winter	S57	1.014	S127	181.0	1.277	2.559	4.4483	
30 minute winter	S125	21.003	S127	-50.5	-0.604	-0.723	7.8151	
30 minute winter	S127	1.015	S60	172.0	1.145	2.414	4.3871	
30 minute winter	S119	22.003	S60	-37.7	-0.543	-0.539	7.7625	
30 minute winter	S60	1.016	Pond Inlet 1	171.9	1.162	2.270	4.2744	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	153.7	0.058	0.003	1291.3989	
30 minute winter	Pond Outlet	1.018	S13	1.2	0.339	0.018	0.4410	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	-36.3	-1.109	-0.945	0.3977	
30 minute winter	PP-S25	2.000_1	S25	-40.6	-1.438	-0.707	0.1989	
30 minute winter	PP-S16	3.000_1	S16	-52.9	-1.482	-0.784	0.1989	
30 minute winter	PP-S145	4.000_2	S145	-64.1	-1.766	-0.759	0.1989	
30 minute winter	PP-S4	1.000_2	S4	-73.5	-2.514	-1.290	0.1989	
30 minute winter	PP-S1	4.000_1	S1	-56.0	-2.073	-0.845	0.1989	

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Results for 100 year +20% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	PP-S5	37	0.798	0.298	54.5	49.3697	0.0000	SURCHARGED
30 minute winter	PP-S12	34	0.790	0.290	60.6	30.1169	0.0000	SURCHARGED
30 minute winter	PP-S14	60	0.731	0.231	69.5	123.6618	0.0000	SURCHARGED
30 minute winter	PP-S2	33	0.790	0.290	64.9	31.2805	0.0000	SURCHARGED
30 minute winter	PP-S15	33	0.791	0.291	57.5	16.4540	0.0000	SURCHARGED
30 minute winter	PP-S75	30	0.837	0.337	70.1	21.1346	0.0000	SURCHARGED
30 minute winter	PP-S24	27	0.928	0.428	130.0	61.9649	0.0000	SURCHARGED
30 minute winter	PP-S30	23	1.042	0.542	109.8	31.8182	0.0000	SURCHARGED
30 minute winter	PP-S33	24	0.976	0.476	95.5	28.7214	0.0000	SURCHARGED
30 minute winter	PP-S34	29	0.852	0.352	88.0	46.3294	0.0000	SURCHARGED
30 minute winter	PP-S35	29	0.749	0.249	21.3	6.6605	0.0000	SURCHARGED
30 minute winter	PP-S36	29	0.720	0.220	48.2	23.0973	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	PP-S5	2.000_2	S5	-28.0	1.286	-0.378	0.1989	
30 minute winter	PP-S12	8.000_1	S12	-51.2	-1.595	-0.563	0.1989	
30 minute winter	PP-S14	11.000_1	S14	-69.1	-2.124	-0.835	0.1989	
30 minute winter	PP-S2	10.000_1	S2	-51.5	-1.669	-0.564	0.1989	
30 minute winter	PP-S15	12.000_1	S15	-47.2	-1.383	-0.500	0.1989	
30 minute winter	PP-S75	13.000_1	S75	-60.1	-1.854	-0.609	0.1989	
30 minute winter	PP-S24	14.000_1	S92	-105.4	-2.989	-1.027	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-101.0	-2.543	-0.908	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-85.2	-2.225	-0.746	0.1989	
30 minute winter	PP-S34	21.000_1	S34	-66.0	-1.886	-0.558	0.1989	
30 minute winter	PP-S35	22.000_2	S35	-18.0	1.079	-0.145	0.1989	
30 minute winter	PP-S36	23.000_2	S36	36.6	1.647	0.308	0.1982	

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Results for 100 year +20% CC 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	S26	50	0.853	1.091	34.2	1.9281	0.0000	SURCHARGED
60 minute summer	S25	51	0.852	1.096	35.2	2.7901	0.0000	SURCHARGED
60 minute summer	S16	51	0.852	1.119	131.3	4.9602	0.0000	SURCHARGED
60 minute summer	S145	53	0.842	1.157	116.1	4.9832	0.0000	SURCHARGED
60 minute summer	S4	59	0.811	1.054	41.1	1.8628	0.0000	SURCHARGED
60 minute summer	S5	59	0.811	1.095	65.9	1.9341	0.0000	SURCHARGED
60 minute summer	S9	60	0.809	1.105	32.1	2.5464	0.0000	SURCHARGED
60 minute summer	S10	60	0.809	1.130	33.1	1.9970	0.0000	SURCHARGED
60 minute summer	S11	60	0.809	1.135	118.0	2.0058	0.0000	SURCHARGED
60 minute summer	S12	60	0.809	1.144	128.6	2.0209	0.0000	SURCHARGED
60 minute summer	S1	62	0.814	1.078	54.9	2.5393	0.0000	SURCHARGED
60 minute summer	S3	61	0.811	1.118	64.4	3.5744	0.0000	SURCHARGED
60 minute summer	S2	60	0.809	1.145	47.1	2.0229	0.0000	SURCHARGED
60 minute summer	S14	61	0.786	1.095	67.5	1.9346	0.0000	SURCHARGED
60 minute summer	S15	60	0.808	1.154	183.5	5.1942	0.0000	SURCHARGED
60 minute summer	S75	48	0.827	1.189	204.8	3.0252	0.0000	SURCHARGED
60 minute summer	S87	34	1.278	1.564	48.0	5.0736	0.0000	FLOOD RISK
60 minute summer	S88	34	1.267	1.575	93.7	5.1374	0.0000	FLOOD RISK
60 minute summer	S89	34	1.224	1.554	139.5	5.0355	0.0000	FLOOD RISK
60 minute summer	S90	34	1.126	1.478	184.3	4.7062	0.0000	FLOOD RISK
60 minute summer	S92	36	0.946	1.325	304.8	3.3733	0.0000	SURCHARGED
60 minute summer	S81	34	1.300	1.602	48.0	5.1729	0.4051	FLOOD
60 minute summer	S82	34	1.295	1.619	93.2	5.2553	0.0000	FLOOD RISK
60 minute summer	S83	34	1.257	1.602	138.3	5.1706	0.0000	FLOOD RISK
60 minute summer	S84	34	1.168	1.535	181.1	4.8678	0.0000	FLOOD RISK
60 minute summer	S86	36	1.001	1.394	179.5	3.5469	0.0000	SURCHARGED
60 minute summer	S76	34	1.300	1.617	48.0	5.1980	0.0887	FLOOD
60 minute summer	S77	34	1.289	1.628	92.7	5.2648	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)
60 minute summer	S26	1.000	S16	-34.2	-0.216	-0.483	9.2005	
60 minute summer	S25	2.000	S16	-35.2	-0.222	-0.499	7.3393	
60 minute summer	S16	1.001	S145	-88.0	-0.556	-1.234	15.0038	
60 minute summer	S145	1.002	S75	-46.5	0.312	-0.660	15.0038	
60 minute summer	S4	3.000	S5	-41.1	-0.260	-0.583	13.1095	
60 minute summer	S5	3.001	S11	-63.3	-0.400	-0.887	13.1095	
60 minute summer	S9	4.000	S10	27.7	0.237	0.394	8.0648	
60 minute summer	S10	4.001	S11	-33.1	0.389	-0.435	1.3780	
60 minute summer	S11	3.002	S12	-118.0	-0.745	-1.673	2.8740	
60 minute summer	S12	3.003	S15	-125.6	-0.793	-1.825	3.6838	
60 minute summer	S1	5.000	S3	-41.0	-0.259	-0.576	13.5151	
60 minute summer	S3	5.001	S2	45.5	0.294	0.643	9.1848	
60 minute summer	S2	5.002	S15	-45.5	-0.287	-0.668	3.4165	
60 minute summer	S14	6.000	S15	-67.5	-0.426	-0.959	11.8707	
60 minute summer	S15	3.004	S75	-130.7	-0.825	-1.826	4.9661	
60 minute summer	S75	1.003	S92	-204.8	-1.293	-2.878	5.3380	
60 minute summer	S87	7.000	S88	45.0	0.284	0.631	6.8747	
60 minute summer	S88	7.001	S89	91.4	0.577	1.281	6.8747	
60 minute summer	S89	7.002	S90	137.4	0.867	1.926	6.8747	
60 minute summer	S90	7.003	S92	181.7	1.147	2.579	8.6413	
60 minute summer	S92	1.005	S86	127.9	0.807	1.800	4.4095	
60 minute summer	S81	8.000	S82	43.9	0.277	0.616	6.8747	
60 minute summer	S82	8.001	S83	89.0	0.562	1.278	6.8747	
60 minute summer	S83	8.002	S84	134.0	0.846	1.878	6.8747	
60 minute summer	S84	8.003	S86	179.5	1.133	2.527	8.1975	
60 minute summer	S86	1.006	S30	126.4	0.798	1.780	4.4165	
60 minute summer	S76	9.000	S77	44.2	0.279	0.619	6.8747	
60 minute summer	S77	9.001	S78	90.0	0.568	1.261	6.8747	

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Results for 100 year +20% CC 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	S78	34	1.248	1.609	137.2	5.1708	0.0000	FLOOD RISK
60 minute summer	S79	35	1.156	1.538	181.1	4.8589	0.0000	FLOOD RISK
60 minute summer	S30	36	1.000	1.407	239.7	3.5810	0.0000	SURCHARGED
60 minute summer	S31	35	0.961	1.297	51.8	4.2971	0.0000	SURCHARGED
60 minute summer	S32	35	0.951	1.330	94.9	4.1064	0.0000	SURCHARGED
60 minute summer	S33	38	0.931	1.354	248.7	3.4450	0.0000	SURCHARGED
60 minute summer	S34	43	0.821	1.260	188.7	2.2259	0.0000	SURCHARGED
60 minute summer	S35	44	0.720	1.186	144.2	2.0950	0.0000	SURCHARGED
60 minute summer	S36	44	0.687	1.129	26.6	1.9943	0.0000	SURCHARGED
60 minute summer	S37	44	0.684	1.155	192.8	5.6775	0.0000	SURCHARGED
60 minute summer	S38	44	0.402	0.918	171.7	1.6221	0.0000	SURCHARGED
60 minute summer	S39	44	0.120	0.682	170.5	1.2051	0.0000	SURCHARGED
60 minute summer	S56	44	0.070	0.629	4.6	1.1114	0.0000	SURCHARGED
60 minute summer	S57	44	0.070	0.635	169.6	1.6159	0.0000	SURCHARGED
60 minute summer	S125	44	-0.038	0.517	17.3	0.9141	0.0000	SURCHARGED
60 minute summer	S127	44	-0.038	0.541	169.6	1.3774	0.0000	SURCHARGED
60 minute summer	S119	45	-0.141	0.428	17.4	0.7558	0.0000	OK
60 minute summer	S60	45	-0.141	0.452	169.6	1.1496	0.0000	SURCHARGED
60 minute summer	Pond Inlet 1	45	-0.273	0.337	169.5	0.5947	0.0000	OK
60 minute summer	Pond Outlet	1011	-0.334	0.276	154.0	0.3119	0.0000	OK
60 minute summer	S13	1011	-0.334	0.304	1.3	1.0525	0.0000	SURCHARGED
60 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute summer	PP-S26	51	0.855	0.355	44.6	35.8722	0.0000	SURCHARGED
60 minute summer	PP-S25	51	0.853	0.353	49.0	30.9177	0.0000	SURCHARGED
60 minute summer	PP-S16	51	0.853	0.353	60.3	52.5054	0.0000	SURCHARGED
60 minute summer	PP-S145	53	0.843	0.343	76.3	53.1734	0.0000	SURCHARGED
60 minute summer	PP-S4	59	0.812	0.312	71.2	42.1557	0.0000	SURCHARGED
60 minute summer	PP-S1	62	0.815	0.315	90.7	108.3937	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	S78	9.002	S79	135.5	0.855	1.945	6.8745	
60 minute summer	S79	9.003	S30	179.3	1.132	2.494	7.6907	
60 minute summer	S30	1.007	S33	159.3	1.006	2.238	5.0209	
60 minute summer	S31	10.000	S32	49.4	0.312	0.699	13.6740	
60 minute summer	S32	10.001	S33	90.0	0.568	1.257	13.6740	
60 minute summer	S33	1.008	S34	188.7	1.191	2.675	5.1108	
60 minute summer	S34	1.009	S35	142.8	0.901	2.010	8.5103	
60 minute summer	S35	1.010	S37	143.6	0.907	2.162	1.7947	
60 minute summer	S36	11.000	S37	26.8	0.169	0.377	9.1184	
60 minute summer	S37	1.011	S38	171.7	1.083	2.429	14.3287	
60 minute summer	S38	1.012	S39	170.5	1.076	2.387	14.3287	
60 minute summer	S39	1.013	S57	169.6	1.071	2.677	1.1814	
60 minute summer	S56	12.011	S57	-4.6	-0.284	-0.068	2.0645	
60 minute summer	S57	1.014	S127	169.6	1.071	2.398	4.4483	
60 minute summer	S125	21.003	S127	-17.3	-0.288	-0.248	7.8151	
60 minute summer	S127	1.015	S60	169.6	1.070	2.380	4.3860	
60 minute summer	S119	22.003	S60	-17.4	-0.263	-0.250	7.7426	
60 minute summer	S60	1.016	Pond Inlet 1	169.5	1.152	2.238	4.2603	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	153.4	0.057	0.003	1446.4572	
60 minute summer	Pond Outlet	1.018	S13	1.3	0.336	0.019	0.4689	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	-33.7	-0.939	-0.877	0.3977	
60 minute summer	PP-S25	2.000_1	S25	-42.0	-1.787	-0.731	0.1989	
60 minute summer	PP-S16	3.000_1	S16	-47.8	-1.802	-0.708	0.1989	
60 minute summer	PP-S145	4.000_2	S145	-58.2	-1.743	-0.689	0.1989	
60 minute summer	PP-S4	1.000_2	S4	-59.8	-2.102	-1.050	0.1989	
60 minute summer	PP-S1	4.000_1	S1	-52.2	-1.566	-0.788	0.1989	

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Results for 100 year +20% CC 60 minute summer. 1500 minute analysis at 1 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
60 minute summer	PP-S5	60	0.811	0.311	49.4	51.9994	0.0000	SURCHARGED
60 minute summer	PP-S12	60	0.809	0.309	55.5	32.1948	0.0000	SURCHARGED
60 minute summer	PP-S14	79	0.762	0.262	67.8	143.1496	0.0000	SURCHARGED
60 minute summer	PP-S2	60	0.809	0.309	56.9	33.4480	0.0000	SURCHARGED
60 minute summer	PP-S15	59	0.808	0.308	48.9	17.5027	0.0000	SURCHARGED
60 minute summer	PP-S75	48	0.827	0.327	59.8	20.4737	0.0000	SURCHARGED
60 minute summer	PP-S24	42	0.912	0.412	120.7	59.4558	0.0000	SURCHARGED
60 minute summer	PP-S30	38	1.002	0.502	93.0	29.3826	0.0000	SURCHARGED
60 minute summer	PP-S33	39	0.936	0.436	77.4	26.2263	0.0000	SURCHARGED
60 minute summer	PP-S34	44	0.826	0.326	80.0	42.6351	0.0000	SURCHARGED
60 minute summer	PP-S35	44	0.721	0.221	16.9	5.8903	0.0000	OK
60 minute summer	PP-S36	44	0.689	0.189	38.6	19.4316	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP-S5	2.000_2	S5	-27.0	1.201	-0.364	0.1989	
60 minute summer	PP-S12	8.000_1	S12	-48.2	-1.575	-0.530	0.1989	
60 minute summer	PP-S14	11.000_1	S14	-67.4	-2.046	-0.814	0.1989	
60 minute summer	PP-S2	10.000_1	S2	-46.3	-1.466	-0.507	0.1989	
60 minute summer	PP-S15	12.000_1	S15	-41.2	-1.344	-0.438	0.1989	
60 minute summer	PP-S75	13.000_1	S75	-52.3	-1.650	-0.530	0.1989	
60 minute summer	PP-S24	14.000_1	S92	-99.7	-2.664	-0.972	0.1989	
60 minute summer	PP-S30	18.000_1	S30	-86.0	-2.333	-0.773	0.1989	
60 minute summer	PP-S33	20.000_1	S33	-68.6	-1.936	-0.601	0.1989	
60 minute summer	PP-S34	21.000_1	S34	-61.3	-1.726	-0.518	0.1989	
60 minute summer	PP-S35	22.000_2	S35	-14.3	0.974	-0.115	0.1983	
60 minute summer	PP-S36	23.000_2	S36	26.6	1.520	0.223	0.1887	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	53	0.915	1.153	44.0	2.0375	0.0000	SURCHARGED
60 minute winter	S25	54	0.914	1.158	44.1	2.9473	0.0000	SURCHARGED
60 minute winter	S16	53	0.914	1.181	119.4	5.2348	0.0000	SURCHARGED
60 minute winter	S145	55	0.905	1.220	107.0	5.2528	0.0000	SURCHARGED
60 minute winter	S4	62	0.871	1.114	27.3	1.9684	0.0000	SURCHARGED
60 minute winter	S5	61	0.869	1.153	82.4	2.0380	0.0000	SURCHARGED
60 minute winter	S9	60	0.866	1.162	25.2	2.6766	0.0000	SURCHARGED
60 minute winter	S10	60	0.866	1.187	20.4	2.0974	0.0000	SURCHARGED
60 minute winter	S11	60	0.866	1.192	109.3	2.1063	0.0000	SURCHARGED
60 minute winter	S12	60	0.865	1.200	114.5	2.1212	0.0000	SURCHARGED
60 minute winter	S1	63	0.869	1.133	53.3	2.6672	0.0000	SURCHARGED
60 minute winter	S3	60	0.866	1.173	43.2	3.7504	0.0000	SURCHARGED
60 minute winter	S2	60	0.865	1.201	43.7	2.1221	0.0000	SURCHARGED
60 minute winter	S14	62	0.834	1.143	75.0	2.0199	0.0000	SURCHARGED
60 minute winter	S15	60	0.864	1.210	177.2	5.4479	0.0000	SURCHARGED
60 minute winter	S75	50	0.887	1.249	183.8	3.1786	0.0000	SURCHARGED
60 minute winter	S87	36	1.148	1.434	38.9	4.6534	0.0000	FLOOD RISK
60 minute winter	S88	36	1.143	1.451	77.0	4.7309	0.0000	FLOOD RISK
60 minute winter	S89	36	1.118	1.448	114.8	4.6924	0.0000	FLOOD RISK
60 minute winter	S90	37	1.062	1.414	151.4	4.5022	0.0000	SURCHARGED
60 minute winter	S92	40	0.974	1.353	256.9	3.4445	0.0000	SURCHARGED
60 minute winter	S81	36	1.190	1.492	38.9	4.8176	0.0000	FLOOD RISK
60 minute winter	S82	36	1.184	1.508	76.7	4.8976	0.0000	FLOOD RISK
60 minute winter	S83	36	1.160	1.505	114.3	4.8569	0.0000	FLOOD RISK
60 minute winter	S84	37	1.105	1.472	150.9	4.6696	0.0000	FLOOD RISK
60 minute winter	S86	39	1.018	1.411	148.4	3.5919	0.0000	SURCHARGED
60 minute winter	S76	36	1.182	1.499	38.9	4.8193	0.0000	FLOOD RISK
60 minute winter	S77	36	1.176	1.515	76.6	4.8993	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)
60 minute winter	S26	1.000	S16	-40.6	-0.256	-0.574	9.2005	
60 minute winter	S25	2.000	S16	-40.6	-0.256	-0.575	7.3393	
60 minute winter	S16	1.001	S145	-79.6	-0.502	-1.116	15.0038	
60 minute winter	S145	1.002	S75	51.5	0.329	0.729	15.0038	
60 minute winter	S4	3.000	S5	-27.3	-0.172	-0.387	13.1095	
60 minute winter	S5	3.001	S11	-73.7	-0.465	-1.032	13.1095	
60 minute winter	S9	4.000	S10	20.4	0.259	0.290	8.0648	
60 minute winter	S10	4.001	S11	19.1	0.414	0.250	1.3780	
60 minute winter	S11	3.002	S12	-109.3	-0.690	-1.549	2.8740	
60 minute winter	S12	3.003	S15	-111.4	-0.703	-1.618	3.6838	
60 minute winter	S1	5.000	S3	-39.6	-0.250	-0.556	13.5151	
60 minute winter	S3	5.001	S2	31.0	0.317	0.437	9.1848	
60 minute winter	S2	5.002	S15	40.5	0.262	0.594	3.4165	
60 minute winter	S14	6.000	S15	-75.0	-0.474	-1.066	11.8707	
60 minute winter	S15	3.004	S75	-130.1	-0.821	-1.818	4.9661	
60 minute winter	S75	1.003	S92	-183.8	-1.160	-2.583	5.3380	
60 minute winter	S87	7.000	S88	37.1	0.234	0.520	6.8747	
60 minute winter	S88	7.001	S89	74.9	0.473	1.051	6.8747	
60 minute winter	S89	7.002	S90	112.5	0.710	1.577	6.8747	
60 minute winter	S90	7.003	S92	149.0	0.940	2.114	8.6413	
60 minute winter	S92	1.005	S86	127.9	0.808	1.801	4.4095	
60 minute winter	S81	8.000	S82	36.8	0.232	0.515	6.8747	
60 minute winter	S82	8.001	S83	74.4	0.470	1.068	6.8747	
60 minute winter	S83	8.002	S84	112.0	0.707	1.570	6.8747	
60 minute winter	S84	8.003	S86	148.4	0.937	2.090	8.1975	
60 minute winter	S86	1.006	S30	127.7	0.806	1.798	4.4165	
60 minute winter	S76	9.000	S77	36.7	0.232	0.514	6.8747	
60 minute winter	S77	9.001	S78	74.3	0.469	1.042	6.8747	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	36	1.152	1.513	114.2	4.8626	0.0000	FLOOD RISK
60 minute winter	S79	37	1.100	1.482	150.7	4.6823	0.0000	FLOOD RISK
60 minute winter	S30	39	1.020	1.427	197.3	3.6323	0.0000	SURCHARGED
60 minute winter	S31	40	0.991	1.327	41.9	4.3959	0.0000	SURCHARGED
60 minute winter	S32	40	0.986	1.365	76.6	4.2164	0.0000	SURCHARGED
60 minute winter	S33	40	0.966	1.389	214.0	3.5347	0.0000	SURCHARGED
60 minute winter	S34	45	0.874	1.313	179.8	2.3207	0.0000	SURCHARGED
60 minute winter	S35	46	0.762	1.228	145.8	2.1702	0.0000	SURCHARGED
60 minute winter	S36	46	0.725	1.167	26.0	2.0627	0.0000	SURCHARGED
60 minute winter	S37	46	0.723	1.194	192.4	5.8698	0.0000	SURCHARGED
60 minute winter	S38	46	0.430	0.946	172.9	1.6711	0.0000	SURCHARGED
60 minute winter	S39	47	0.137	0.699	172.9	1.2349	0.0000	SURCHARGED
60 minute winter	S56	47	0.085	0.644	6.3	1.1378	0.0000	SURCHARGED
60 minute winter	S57	47	0.085	0.650	172.9	1.6541	0.0000	SURCHARGED
60 minute winter	S125	47	-0.027	0.528	16.9	0.9332	0.0000	SURCHARGED
60 minute winter	S127	47	-0.027	0.552	172.8	1.4051	0.0000	SURCHARGED
60 minute winter	S119	47	-0.135	0.434	13.1	0.7669	0.0000	OK
60 minute winter	S60	47	-0.135	0.458	172.8	1.1656	0.0000	SURCHARGED
60 minute winter	Pond Inlet 1	48	-0.269	0.341	172.8	0.6029	0.0000	OK
60 minute winter	Pond Outlet	1182	-0.305	0.305	156.2	0.3453	0.0000	SURCHARGED
60 minute winter	S13	948	-0.305	0.333	1.3	1.1550	0.0000	SURCHARGED
60 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	53	0.917	0.417	42.5	42.7204	0.0000	SURCHARGED
60 minute winter	PP-S25	54	0.915	0.415	39.8	36.7954	0.0000	SURCHARGED
60 minute winter	PP-S16	53	0.915	0.415	60.4	63.1179	0.0000	SURCHARGED
60 minute winter	PP-S145	56	0.906	0.406	67.4	64.4145	0.0000	SURCHARGED
60 minute winter	PP-S4	62	0.872	0.372	40.2	51.6005	0.0000	SURCHARGED
60 minute winter	PP-S1	64	0.870	0.370	90.1	127.8325	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 winter	S78	9.002	S79	111.8	0.706	1.605	6.8745	
60 minute winter	S79	9.003	S30	148.6	0.938	2.066	7.6907	
60 minute winter	S30	1.007	S33	140.7	0.888	1.977	5.0209	
60 minute winter	S31	10.000	S32	39.8	0.258	0.564	13.6740	
60 minute winter	S32	10.001	S33	75.0	0.473	1.048	13.6740	
60 minute winter	S33	1.008	S34	179.8	1.135	2.549	5.1108	
60 minute winter	S34	1.009	S35	144.1	0.909	2.028	8.5103	
60 minute winter	S35	1.010	S37	145.8	0.920	2.194	1.7947	
60 minute winter	S36	11.000	S37	26.3	0.166	0.370	9.1184	
60 minute winter	S37	1.011	S38	172.9	1.092	2.448	14.3287	
60 minute winter	S38	1.012	S39	172.9	1.091	2.420	14.3287	
60 minute winter	S39	1.013	S57	172.9	1.091	2.728	1.1814	
60 minute winter	S56	12.011	S57	-6.3	-0.301	-0.092	2.0645	
60 minute winter	S57	1.014	S127	172.8	1.091	2.443	4.4483	
60 minute winter	S125	21.003	S127	-16.9	-0.319	-0.243	7.8151	
60 minute winter	S127	1.015	S60	172.8	1.091	2.426	4.3871	
60 minute winter	S119	22.003	S60	-13.1	-0.289	-0.188	7.7726	
60 minute winter	S60	1.016	Pond Inlet 1	172.8	1.162	2.282	4.2882	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	155.8	0.057	0.003	1610.6747	
60 minute winter	Pond Outlet	1.018	S13	1.3	0.338	0.019	0.4779	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-31.8	-1.038	-0.828	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-33.0	-1.330	-0.574	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-43.9	-1.339	-0.650	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-51.1	-1.534	-0.605	0.1989	
60 minute winter	PP-S4	1.000_2	S4	-25.4	-1.230	-0.446	0.1989	
60 minute winter	PP-S1	4.000_1	S1	-52.7	-1.503	-0.794	0.1989	

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Results for 100 year +20% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	61	0.870	0.370	50.0	63.7601	0.0000	SURCHARGED
60 minute winter	PP-S12	60	0.866	0.366	47.9	38.5521	0.0000	SURCHARGED
60 minute winter	PP-S14	83	0.806	0.306	75.3	171.1262	0.0000	SURCHARGED
60 minute winter	PP-S2	60	0.865	0.365	51.7	39.8067	0.0000	SURCHARGED
60 minute winter	PP-S15	60	0.865	0.365	32.8	20.8890	0.0000	SURCHARGED
60 minute winter	PP-S75	51	0.888	0.388	49.7	24.4148	0.0000	SURCHARGED
60 minute winter	PP-S24	44	0.980	0.480	99.9	70.2888	0.0000	SURCHARGED
60 minute winter	PP-S30	39	1.023	0.523	74.4	30.6644	0.0000	SURCHARGED
60 minute winter	PP-S33	41	0.969	0.469	63.3	28.2461	0.0000	SURCHARGED
60 minute winter	PP-S34	46	0.879	0.379	68.3	50.0995	0.0000	SURCHARGED
60 minute winter	PP-S35	46	0.763	0.263	13.3	7.0475	0.0000	SURCHARGED
60 minute winter	PP-S36	47	0.728	0.228	36.8	24.1224	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 winter	PP-S5	2.000_2	S5	-28.0	1.215	-0.379	0.1989	
60 minute winter	PP-S12	8.000_1	S12	-41.5	-1.360	-0.456	0.1989	
60 minute winter	PP-S14	11.000_1	S14	-74.9	-2.131	-0.905	0.1989	
60 minute winter	PP-S2	10.000_1	S2	-42.3	-1.367	-0.463	0.1989	
60 minute winter	PP-S15	12.000_1	S15	-24.9	1.165	-0.265	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-43.0	-1.361	-0.435	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-80.9	-2.178	-0.788	0.1989	
60 minute winter	PP-S30	18.000_1	S30	-68.2	-2.008	-0.613	0.1989	
60 minute winter	PP-S33	20.000_1	S33	-55.4	-1.709	-0.485	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-50.1	1.617	-0.424	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-10.8	0.992	-0.087	0.1989	
60 minute winter	PP-S36	23.000_2	S36	26.0	1.588	0.218	0.1989	

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Results for 100 year +20% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S26	84	0.850	1.088	29.4	1.9231	0.0000	SURCHARGED
120 minute summer	S25	84	0.850	1.094	29.1	2.7847	0.0000	SURCHARGED
120 minute summer	S16	84	0.850	1.117	82.9	4.9509	0.0000	SURCHARGED
120 minute summer	S145	84	0.842	1.157	86.4	4.9826	0.0000	SURCHARGED
120 minute summer	S4	90	0.819	1.062	46.1	1.8757	0.0000	SURCHARGED
120 minute summer	S5	90	0.817	1.101	55.5	1.9456	0.0000	SURCHARGED
120 minute summer	S9	92	0.815	1.111	11.2	2.5592	0.0000	SURCHARGED
120 minute summer	S10	92	0.815	1.136	12.0	2.0070	0.0000	SURCHARGED
120 minute summer	S11	92	0.815	1.141	59.2	2.0158	0.0000	SURCHARGED
120 minute summer	S12	92	0.814	1.149	61.8	2.0306	0.0000	SURCHARGED
120 minute summer	S1	94	0.820	1.084	41.6	2.5524	0.0000	SURCHARGED
120 minute summer	S3	94	0.817	1.124	33.6	3.5943	0.0000	SURCHARGED
120 minute summer	S2	94	0.815	1.151	27.4	2.0330	0.0000	SURCHARGED
120 minute summer	S14	98	0.796	1.105	65.4	1.9531	0.0000	SURCHARGED
120 minute summer	S15	94	0.813	1.159	145.2	5.2180	0.0000	SURCHARGED
120 minute summer	S75	82	0.826	1.188	150.4	3.0224	0.0000	SURCHARGED
120 minute summer	S87	66	0.974	1.260	30.5	4.0864	0.0000	SURCHARGED
120 minute summer	S88	66	0.970	1.278	60.6	4.1682	0.0000	SURCHARGED
120 minute summer	S89	66	0.955	1.285	90.5	4.1639	0.0000	SURCHARGED
120 minute summer	S90	66	0.919	1.271	119.9	4.0471	0.0000	SURCHARGED
120 minute summer	S92	72	0.872	1.251	204.0	3.1849	0.0000	SURCHARGED
120 minute summer	S81	66	1.000	1.302	30.5	4.2056	0.0000	SURCHARGED
120 minute summer	S82	66	0.997	1.321	60.4	4.2895	0.0000	SURCHARGED
120 minute summer	S83	66	0.981	1.326	90.3	4.2819	0.0000	SURCHARGED
120 minute summer	S84	66	0.945	1.312	119.4	4.1631	0.0000	SURCHARGED
120 minute summer	S86	68	0.887	1.280	127.1	3.2587	0.0000	SURCHARGED
120 minute summer	S76	66	0.996	1.313	30.5	4.2202	0.0000	SURCHARGED
120 minute summer	S77	66	0.992	1.331	60.3	4.3039	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	S26	1.000	S16	-26.7	-0.169	-0.377	9.2005	
120 minute summer	S25	2.000	S16	-26.4	-0.167	-0.374	7.3393	
120 minute summer	S16	1.001	S145	-51.5	-0.325	-0.722	15.0038	
120 minute summer	S145	1.002	S75	44.6	0.282	0.632	15.0038	
120 minute summer	S4	3.000	S5	-41.8	-0.264	-0.593	13.1095	
120 minute summer	S5	3.001	S11	-48.9	-0.309	-0.685	13.1095	
120 minute summer	S9	4.000	S10	12.0	0.195	0.172	8.0648	
120 minute summer	S10	4.001	S11	12.2	0.324	0.161	1.3780	
120 minute summer	S11	3.002	S12	-55.1	-0.348	-0.780	2.8740	
120 minute summer	S12	3.003	S15	-60.5	-0.382	-0.879	3.6838	
120 minute summer	S1	5.000	S3	-31.7	-0.200	-0.446	13.5151	
120 minute summer	S3	5.001	S2	21.7	0.241	0.306	9.1848	
120 minute summer	S2	5.002	S15	30.4	0.192	0.445	3.4165	
120 minute summer	S14	6.000	S15	-65.4	-0.413	-0.929	11.8707	
120 minute summer	S15	3.004	S75	-107.8	-0.680	-1.505	4.9661	
120 minute summer	S75	1.003	S92	-150.4	-0.949	-2.114	5.3380	
120 minute summer	S87	7.000	S88	29.3	0.187	0.410	6.8747	
120 minute summer	S88	7.001	S89	59.2	0.374	0.830	6.8747	
120 minute summer	S89	7.002	S90	89.4	0.564	1.253	6.8747	
120 minute summer	S90	7.003	S92	118.8	0.750	1.685	8.6413	
120 minute summer	S92	1.005	S86	127.1	0.802	1.788	4.4095	
120 minute summer	S81	8.000	S82	29.1	0.185	0.408	6.8747	
120 minute summer	S82	8.001	S83	59.0	0.372	0.847	6.8747	
120 minute summer	S83	8.002	S84	88.9	0.561	1.246	6.8747	
120 minute summer	S84	8.003	S86	118.1	0.746	1.663	8.1975	
120 minute summer	S86	1.006	S30	125.9	0.795	1.773	4.4165	
120 minute summer	S76	9.000	S77	29.0	0.187	0.407	6.8747	
120 minute summer	S77	9.001	S78	58.8	0.371	0.825	6.8747	

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Results for 100 year +20% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S78	66	0.977	1.338	90.1	4.2998	0.0000	SURCHARGED
120 minute summer	S79	68	0.941	1.323	119.1	4.1803	0.0000	SURCHARGED
120 minute summer	S30	68	0.889	1.296	154.1	3.2972	0.0000	SURCHARGED
120 minute summer	S31	70	0.860	1.196	32.9	3.9612	0.0000	SURCHARGED
120 minute summer	S32	70	0.857	1.236	60.2	3.8172	0.0000	SURCHARGED
120 minute summer	S33	70	0.844	1.267	179.8	3.2236	0.0000	SURCHARGED
120 minute summer	S34	76	0.777	1.216	160.5	2.1489	0.0000	SURCHARGED
120 minute summer	S35	76	0.672	1.138	140.6	2.0108	0.0000	SURCHARGED
120 minute summer	S36	76	0.637	1.079	22.3	1.9066	0.0000	SURCHARGED
120 minute summer	S37	76	0.635	1.106	172.6	5.4383	0.0000	SURCHARGED
120 minute summer	S38	76	0.367	0.883	165.3	1.5605	0.0000	SURCHARGED
120 minute summer	S39	78	0.099	0.661	165.3	1.1686	0.0000	SURCHARGED
120 minute summer	S56	78	0.052	0.611	3.2	1.0794	0.0000	SURCHARGED
120 minute summer	S57	78	0.052	0.617	165.3	1.5700	0.0000	SURCHARGED
120 minute summer	S125	78	-0.050	0.505	5.2	0.8918	0.0000	SURCHARGED
120 minute summer	S127	78	-0.050	0.529	165.3	1.3455	0.0000	SURCHARGED
120 minute summer	S119	78	-0.148	0.421	5.7	0.7431	0.0000	OK
120 minute summer	S60	78	-0.148	0.445	165.2	1.1313	0.0000	OK
120 minute summer	Pond Inlet 1	80	-0.277	0.333	165.2	0.5879	0.0000	OK
120 minute summer	Pond Outlet	1198	-0.287	0.323	134.1	0.3650	0.0000	SURCHARGED
120 minute summer	S13	992	-0.287	0.351	1.0	1.2153	0.0000	SURCHARGED
120 minute summer	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute summer	PP-S26	84	0.852	0.352	33.6	35.5310	0.0000	SURCHARGED
120 minute summer	PP-S25	84	0.851	0.351	30.3	30.7240	0.0000	SURCHARGED
120 minute summer	PP-S16	84	0.851	0.351	47.9	52.0729	0.0000	SURCHARGED
120 minute summer	PP-S145	86	0.843	0.343	53.1	53.1910	0.0000	SURCHARGED
120 minute summer	PP-S4	90	0.819	0.319	33.6	43.3247	0.0000	SURCHARGED
120 minute summer	PP-S1	94	0.821	0.321	66.4	110.5026	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	S78	9.002	S79	88.6	0.560	1.272	6.8745	
120 minute summer	S79	9.003	S30	117.7	0.743	1.637	7.6907	
120 minute summer	S30	1.007	S33	129.4	0.817	1.817	5.0209	
120 minute summer	S31	10.000	S32	31.3	0.202	0.443	13.6740	
120 minute summer	S32	10.001	S33	59.5	0.375	0.831	13.6740	
120 minute summer	S33	1.008	S34	160.5	1.013	2.275	5.1108	
120 minute summer	S34	1.009	S35	139.6	0.881	1.966	8.5103	
120 minute summer	S35	1.010	S37	140.8	0.889	2.119	1.7947	
120 minute summer	S36	11.000	S37	22.6	0.143	0.318	9.1184	
120 minute summer	S37	1.011	S38	165.3	1.044	2.340	14.3287	
120 minute summer	S38	1.012	S39	165.3	1.043	2.314	14.3287	
120 minute summer	S39	1.013	S57	165.3	1.043	2.609	1.1814	
120 minute summer	S56	12.011	S57	-3.2	-0.232	-0.047	2.0645	
120 minute summer	S57	1.014	S127	165.3	1.043	2.336	4.4483	
120 minute summer	S125	21.003	S127	-5.2	-0.217	-0.074	7.8151	
120 minute summer	S127	1.015	S60	165.2	1.043	2.319	4.3824	
120 minute summer	S119	22.003	S60	-5.7	-0.202	-0.082	7.6989	
120 minute summer	S60	1.016	Pond Inlet 1	165.2	1.136	2.182	4.2333	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	134.1	0.050	0.003	1707.3921	
120 minute summer	Pond Outlet	1.018	S13	1.0	0.277	0.014	0.4779	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	-25.5	-0.670	-0.664	0.3977	
120 minute summer	PP-S25	2.000_1	S25	-23.6	0.729	-0.411	0.1989	
120 minute summer	PP-S16	3.000_1	S16	-35.3	0.969	-0.522	0.1989	
120 minute summer	PP-S145	4.000_2	S145	-38.7	1.197	-0.459	0.1989	
120 minute summer	PP-S4	1.000_2	S4	-22.2	0.902	-0.389	0.1989	
120 minute summer	PP-S1	4.000_1	S1	-38.3	-1.275	-0.578	0.1989	

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Results for 100 year +20% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	PP-S5	90	0.818	0.318	39.3	53.3128	0.0000	SURCHARGED
120 minute summer	PP-S12	92	0.814	0.314	32.5	32.8077	0.0000	SURCHARGED
120 minute summer	PP-S14	118	0.790	0.290	65.6	160.9377	0.0000	SURCHARGED
120 minute summer	PP-S2	94	0.815	0.315	36.1	34.0929	0.0000	SURCHARGED
120 minute summer	PP-S15	94	0.813	0.313	23.3	17.8220	0.0000	SURCHARGED
120 minute summer	PP-S75	82	0.826	0.326	30.6	20.3908	0.0000	SURCHARGED
120 minute summer	PP-S24	74	0.879	0.379	77.0	54.3189	0.0000	SURCHARGED
120 minute summer	PP-S30	68	0.891	0.391	47.6	22.7102	0.0000	SURCHARGED
120 minute summer	PP-S33	70	0.845	0.345	40.6	20.5337	0.0000	SURCHARGED
120 minute summer	PP-S34	76	0.780	0.280	49.8	36.1056	0.0000	SURCHARGED
120 minute summer	PP-S35	76	0.672	0.172	9.8	4.5600	0.0000	OK
120 minute summer	PP-S36	76	0.637	0.137	20.8	13.0835	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	PP-S5	2.000_2	S5	23.6	1.125	0.319	0.1989	
120 minute summer	PP-S12	8.000_1	S12	-26.4	0.994	-0.290	0.1989	
120 minute summer	PP-S14	11.000_1	S14	-65.3	-1.862	-0.788	0.1989	
120 minute summer	PP-S2	10.000_1	S2	-27.1	1.044	-0.296	0.1989	
120 minute summer	PP-S15	12.000_1	S15	22.1	1.064	0.234	0.1989	
120 minute summer	PP-S75	13.000_1	S75	-24.6	1.079	-0.249	0.1989	
120 minute summer	PP-S24	14.000_1	S92	-62.2	-1.689	-0.607	0.1989	
120 minute summer	PP-S30	18.000_1	S30	-42.7	-1.163	-0.384	0.1989	
120 minute summer	PP-S33	20.000_1	S33	-34.0	1.196	-0.298	0.1989	
120 minute summer	PP-S34	21.000_1	S34	-35.4	1.526	-0.299	0.1989	
120 minute summer	PP-S35	22.000_2	S35	-7.9	0.915	-0.064	0.1809	
120 minute summer	PP-S36	23.000_2	S36	22.3	1.449	0.188	0.1628	

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Results for 100 year +20% CC 120 minute winter. 1560 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 winter	S26	90	0.898	1.136	21.0	2.0071	0.0000	SURCHARGED
120 minute winter	S25	90	0.898	1.142	18.6	2.9061	0.0000	SURCHARGED
120 minute winter	S16	90	0.898	1.165	66.6	5.1634	0.0000	SURCHARGED
120 minute winter	S145	90	0.892	1.207	68.5	5.1974	0.0000	SURCHARGED
120 minute winter	S4	94	0.872	1.115	20.1	1.9695	0.0000	SURCHARGED
120 minute winter	S5	96	0.870	1.154	41.1	2.0398	0.0000	SURCHARGED
120 minute winter	S9	98	0.868	1.164	11.4	2.6828	0.0000	SURCHARGED
120 minute winter	S10	98	0.868	1.189	21.7	2.1016	0.0000	SURCHARGED
120 minute winter	S11	98	0.868	1.194	47.1	2.1104	0.0000	SURCHARGED
120 minute winter	S12	98	0.868	1.203	51.1	2.1256	0.0000	SURCHARGED
120 minute winter	S1	98	0.874	1.138	39.1	2.6789	0.0000	SURCHARGED
120 minute winter	S3	98	0.871	1.178	31.9	3.7662	0.0000	SURCHARGED
120 minute winter	S2	98	0.868	1.204	34.3	2.1282	0.0000	SURCHARGED
120 minute winter	S14	108	0.849	1.158	67.8	2.0465	0.0000	SURCHARGED
120 minute winter	S15	98	0.867	1.213	131.2	5.4607	0.0000	SURCHARGED
120 minute winter	S75	88	0.875	1.237	128.6	3.1494	0.0000	SURCHARGED
120 minute winter	S87	74	0.938	1.224	23.5	3.9699	0.0000	SURCHARGED
120 minute winter	S88	74	0.936	1.244	46.8	4.0581	0.0000	SURCHARGED
120 minute winter	S89	74	0.930	1.260	70.1	4.0841	0.0000	SURCHARGED
120 minute winter	S90	76	0.917	1.269	92.8	4.0431	0.0000	SURCHARGED
120 minute winter	S92	78	0.893	1.272	159.3	3.2378	0.0000	SURCHARGED
120 minute winter	S81	72	0.944	1.246	23.5	4.0234	0.0000	SURCHARGED
120 minute winter	S82	72	0.942	1.266	46.8	4.1119	0.0000	SURCHARGED
120 minute winter	S83	74	0.936	1.281	70.1	4.1350	0.0000	SURCHARGED
120 minute winter	S84	76	0.921	1.288	92.8	4.0858	0.0000	SURCHARGED
120 minute winter	S86	78	0.896	1.289	128.5	3.2803	0.0000	SURCHARGED
120 minute winter	S76	72	0.940	1.257	23.5	4.0405	0.0000	SURCHARGED
120 minute winter	S77	72	0.938	1.277	46.8	4.1288	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	S26	1.000	S16	-21.0	-0.132	-0.296	9.2005	
120 minute winter	S25	2.000	S16	20.0	0.126	0.283	7.3393	
120 minute winter	S16	1.001	S145	-37.3	-0.235	-0.522	15.0038	
120 minute winter	S145	1.002	S75	43.6	0.296	0.618	15.0038	
120 minute winter	S4	3.000	S5	-20.1	-0.127	-0.285	13.1095	
120 minute winter	S5	3.001	S11	-41.1	-0.259	-0.576	13.1095	
120 minute winter	S9	4.000	S10	21.7	0.210	0.309	8.0648	
120 minute winter	S10	4.001	S11	23.2	0.340	0.304	1.3780	
120 minute winter	S11	3.002	S12	-47.1	-0.298	-0.668	2.8740	
120 minute winter	S12	3.003	S15	-49.3	-0.311	-0.716	3.6838	
120 minute winter	S1	5.000	S3	-31.4	-0.198	-0.442	13.5151	
120 minute winter	S3	5.001	S2	19.8	0.261	0.279	9.1848	
120 minute winter	S2	5.002	S15	35.0	0.221	0.513	3.4165	
120 minute winter	S14	6.000	S15	-67.8	-0.428	-0.963	11.8707	
120 minute winter	S15	3.004	S75	-103.9	-0.656	-1.451	4.9661	
120 minute winter	S75	1.003	S92	-128.6	-0.812	-1.807	5.3380	
120 minute winter	S87	7.000	S88	22.7	0.185	0.318	6.8747	
120 minute winter	S88	7.001	S89	46.0	0.290	0.645	6.8747	
120 minute winter	S89	7.002	S90	69.3	0.438	0.972	6.8747	
120 minute winter	S90	7.003	S92	92.0	0.581	1.306	8.6413	
120 minute winter	S92	1.005	S86	127.2	0.803	1.791	4.4095	
120 minute winter	S81	8.000	S82	22.7	0.184	0.318	6.8747	
120 minute winter	S82	8.001	S83	46.0	0.290	0.660	6.8747	
120 minute winter	S83	8.002	S84	69.3	0.437	0.971	6.8747	
120 minute winter	S84	8.003	S86	92.0	0.581	1.295	8.1975	
120 minute winter	S86	1.006	S30	127.7	0.806	1.799	4.4165	
120 minute winter	S76	9.000	S77	22.7	0.185	0.318	6.8747	
120 minute winter	S77	9.001	S78	46.0	0.290	0.645	6.8747	

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Results for 100 year +20% CC 120 minute winter. 1560 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 winter	S78	74	0.931	1.292	70.1	4.1540	0.0000	SURCHARGED
120 minute winter	S79	76	0.917	1.299	92.8	4.1025	0.0000	SURCHARGED
120 minute winter	S30	78	0.893	1.300	144.8	3.3073	0.0000	SURCHARGED
120 minute winter	S31	78	0.864	1.200	25.4	3.9759	0.0000	SURCHARGED
120 minute winter	S32	78	0.863	1.242	46.9	3.8344	0.0000	SURCHARGED
120 minute winter	S33	78	0.855	1.278	152.9	3.2537	0.0000	SURCHARGED
120 minute winter	S34	80	0.788	1.227	147.3	2.1687	0.0000	SURCHARGED
120 minute winter	S35	82	0.678	1.144	142.9	2.0221	0.0000	SURCHARGED
120 minute winter	S36	82	0.641	1.083	16.9	1.9143	0.0000	SURCHARGED
120 minute winter	S37	82	0.640	1.111	168.2	5.4627	0.0000	SURCHARGED
120 minute winter	S38	82	0.371	0.887	165.6	1.5677	0.0000	SURCHARGED
120 minute winter	S39	82	0.102	0.664	165.6	1.1736	0.0000	SURCHARGED
120 minute winter	S56	82	0.054	0.613	1.8	1.0840	0.0000	SURCHARGED
120 minute winter	S57	82	0.054	0.619	165.6	1.5765	0.0000	SURCHARGED
120 minute winter	S125	84	-0.048	0.507	5.7	0.8956	0.0000	SURCHARGED
120 minute winter	S127	84	-0.048	0.531	165.6	1.3510	0.0000	SURCHARGED
120 minute winter	S119	84	-0.147	0.422	5.4	0.7463	0.0000	OK
120 minute winter	S60	84	-0.147	0.446	165.6	1.1360	0.0000	OK
120 minute winter	Pond Inlet 1	452	-0.254	0.356	165.5	0.6295	0.0000	OK
120 minute winter	Pond Outlet	402	-0.254	0.356	135.0	0.4028	0.0000	SURCHARGED
120 minute winter	S13	1554	-0.254	0.384	1.0	1.3310	0.0000	SURCHARGED
120 minute winter	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute winter	PP-S26	90	0.898	0.398	27.5	40.7056	0.0000	SURCHARGED
120 minute winter	PP-S25	90	0.898	0.398	23.8	35.2436	0.0000	SURCHARGED
120 minute winter	PP-S16	90	0.898	0.398	41.0	60.2487	0.0000	SURCHARGED
120 minute winter	PP-S145	90	0.893	0.393	42.9	62.1340	0.0000	SURCHARGED
120 minute winter	PP-S4	96	0.872	0.372	29.8	51.6795	0.0000	SURCHARGED
120 minute winter	PP-S1	98	0.875	0.375	63.5	129.4904	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	S78	9.002	S79	69.3	0.437	0.995	6.8745	
120 minute winter	S79	9.003	S30	92.0	0.581	1.280	7.6907	
120 minute winter	S30	1.007	S33	133.2	0.841	1.871	5.0209	
120 minute winter	S31	10.000	S32	24.6	0.214	0.348	13.6740	
120 minute winter	S32	10.001	S33	46.2	0.292	0.646	13.6740	
120 minute winter	S33	1.008	S34	147.3	0.930	2.088	5.1108	
120 minute winter	S34	1.009	S35	142.4	0.899	2.005	8.5103	
120 minute winter	S35	1.010	S37	143.1	0.903	2.154	1.7947	
120 minute winter	S36	11.000	S37	20.2	0.128	0.285	9.1184	
120 minute winter	S37	1.011	S38	165.6	1.045	2.344	14.3287	
120 minute winter	S38	1.012	S39	165.6	1.045	2.318	14.3287	
120 minute winter	S39	1.013	S57	165.6	1.045	2.614	1.1814	
120 minute winter	S56	12.011	S57	-1.8	-0.211	-0.027	2.0645	
120 minute winter	S57	1.014	S127	165.6	1.045	2.341	4.4483	
120 minute winter	S125	21.003	S127	-5.7	-0.258	-0.082	7.8151	
120 minute winter	S127	1.015	S60	165.6	1.045	2.324	4.3844	
120 minute winter	S119	22.003	S60	-5.4	-0.227	-0.078	7.7126	
120 minute winter	S60	1.016	Pond Inlet 1	165.5	1.133	2.186	4.2575	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	134.8	0.051	0.003	1896.1479	
120 minute winter	Pond Outlet	1.018	S13	1.0	0.297	0.014	0.4779	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	-20.6	0.583	-0.535	0.3977	
120 minute winter	PP-S25	2.000_1	S25	-18.1	0.721	-0.316	0.1989	
120 minute winter	PP-S16	3.000_1	S16	-30.1	0.958	-0.446	0.1989	
120 minute winter	PP-S145	4.000_2	S145	-30.4	1.183	-0.359	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-19.8	0.923	-0.348	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-38.8	1.219	-0.586	0.1989	

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Results for 100 year +20% CC 120 minute winter. 1560 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 winter	PP-S5	96	0.871	0.371	35.5	63.9647	0.0000	SURCHARGED
120 minute winter	PP-S12	98	0.868	0.368	25.1	38.7974	0.0000	SURCHARGED
120 minute winter	PP-S14	122	0.844	0.344	67.9	195.5177	0.0000	SURCHARGED
120 minute winter	PP-S2	98	0.869	0.369	27.1	40.1748	0.0000	SURCHARGED
120 minute winter	PP-S15	98	0.867	0.367	18.5	21.0469	0.0000	SURCHARGED
120 minute winter	PP-S75	88	0.876	0.376	23.5	23.6516	0.0000	SURCHARGED
120 minute winter	PP-S24	80	0.897	0.397	55.2	57.1559	0.0000	SURCHARGED
120 minute winter	PP-S30	78	0.893	0.393	49.7	22.8816	0.0000	SURCHARGED
120 minute winter	PP-S33	78	0.856	0.356	25.6	21.2203	0.0000	SURCHARGED
120 minute winter	PP-S34	82	0.791	0.291	35.9	37.5964	0.0000	SURCHARGED
120 minute winter	PP-S35	82	0.678	0.178	6.9	4.7326	0.0000	OK
120 minute winter	PP-S36	82	0.642	0.142	14.9	13.5953	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	PP-S5	2.000_2	S5	-20.7	1.112	-0.279	0.1989	
120 minute winter	PP-S12	8.000_1	S12	26.4	1.036	0.290	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-67.6	-1.805	-0.816	0.1989	
120 minute winter	PP-S2	10.000_1	S2	20.6	1.046	0.226	0.1989	
120 minute winter	PP-S15	12.000_1	S15	21.3	1.047	0.226	0.1989	
120 minute winter	PP-S75	13.000_1	S75	-19.3	1.065	-0.196	0.1989	
120 minute winter	PP-S24	14.000_1	S92	-44.9	-1.509	-0.437	0.1989	
120 minute winter	PP-S30	18.000_1	S30	-45.8	-1.534	-0.411	0.1989	
120 minute winter	PP-S33	20.000_1	S33	-20.2	1.231	-0.176	0.1989	
120 minute winter	PP-S34	21.000_1	S34	24.2	1.507	0.205	0.1989	
120 minute winter	PP-S35	22.000_2	S35	9.7	0.908	0.078	0.1839	
120 minute winter	PP-S36	23.000_2	S36	16.9	1.473	0.142	0.1651	

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Results for 100 year +20% CC 180 minute summer. 1620 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
180 minute summer	S26	120	0.826	1.064	20.0	1.8803	0.0000	SURCHARGED
180 minute summer	S25	120	0.826	1.070	19.8	2.7225	0.0000	SURCHARGED
180 minute summer	S16	120	0.826	1.093	63.6	4.8446	0.0000	SURCHARGED
180 minute summer	S145	116	0.821	1.136	64.8	4.8919	0.0000	SURCHARGED
180 minute summer	S4	124	0.806	1.049	18.6	1.8535	0.0000	SURCHARGED
180 minute summer	S5	124	0.805	1.089	37.1	1.9242	0.0000	SURCHARGED
180 minute summer	S9	124	0.803	1.099	8.2	2.5321	0.0000	SURCHARGED
180 minute summer	S10	124	0.803	1.124	7.9	1.9862	0.0000	SURCHARGED
180 minute summer	S11	124	0.803	1.129	37.4	1.9950	0.0000	SURCHARGED
180 minute summer	S12	124	0.802	1.137	45.9	2.0099	0.0000	SURCHARGED
180 minute summer	S1	124	0.807	1.071	34.5	2.5228	0.0000	SURCHARGED
180 minute summer	S3	128	0.805	1.112	28.7	3.5554	0.0000	SURCHARGED
180 minute summer	S2	128	0.803	1.139	41.2	2.0122	0.0000	SURCHARGED
180 minute summer	S14	132	0.788	1.097	60.0	1.9380	0.0000	SURCHARGED
180 minute summer	S15	124	0.802	1.148	116.8	5.1653	0.0000	SURCHARGED
180 minute summer	S75	116	0.806	1.168	117.7	2.9734	0.0000	SURCHARGED
180 minute summer	S87	100	0.860	1.146	22.5	3.7180	0.0000	SURCHARGED
180 minute summer	S88	100	0.859	1.167	44.8	3.8042	0.0000	SURCHARGED
180 minute summer	S89	104	0.852	1.182	67.0	3.8298	0.0000	SURCHARGED
180 minute summer	S90	104	0.841	1.193	88.8	3.7989	0.0000	SURCHARGED
180 minute summer	S92	108	0.819	1.198	151.0	3.0477	0.0000	SURCHARGED
180 minute summer	S81	100	0.870	1.172	22.5	3.7841	0.0000	SURCHARGED
180 minute summer	S82	100	0.868	1.192	44.7	3.8714	0.0000	SURCHARGED
180 minute summer	S83	100	0.861	1.206	67.0	3.8935	0.0000	SURCHARGED
180 minute summer	S84	100	0.844	1.211	88.7	3.8426	0.0000	SURCHARGED
180 minute summer	S86	104	0.820	1.213	127.9	3.0881	0.0000	SURCHARGED
180 minute summer	S76	100	0.866	1.183	22.5	3.8038	0.0000	SURCHARGED
180 minute summer	S77	100	0.865	1.204	44.8	3.8912	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 summer	S26	1.000	S16	-20.0	-0.126	-0.282	9.2005	
180 minute summer	S25	2.000	S16	-17.5	-0.111	-0.248	7.3393	
180 minute summer	S16	1.001	S145	-35.9	-0.226	-0.503	15.0038	
180 minute summer	S145	1.002	S75	39.6	0.270	0.561	15.0038	
180 minute summer	S4	3.000	S5	-18.6	-0.118	-0.264	13.1095	
180 minute summer	S5	3.001	S11	-37.1	-0.234	-0.520	13.1095	
180 minute summer	S9	4.000	S10	7.9	0.172	0.112	8.0648	
180 minute summer	S10	4.001	S11	7.6	0.173	0.100	1.3780	
180 minute summer	S11	3.002	S12	31.2	0.197	0.443	2.8740	
180 minute summer	S12	3.003	S15	-45.9	-0.289	-0.666	3.6838	
180 minute summer	S1	5.000	S3	-28.4	-0.179	-0.399	13.5151	
180 minute summer	S3	5.001	S2	24.3	0.215	0.343	9.1848	
180 minute summer	S2	5.002	S15	36.3	0.229	0.532	3.4165	
180 minute summer	S14	6.000	S15	-60.0	-0.379	-0.853	11.8707	
180 minute summer	S15	3.004	S75	-90.9	-0.573	-1.269	4.9661	
180 minute summer	S75	1.003	S92	117.1	0.739	1.646	5.3380	
180 minute summer	S87	7.000	S88	21.8	0.173	0.305	6.8747	
180 minute summer	S88	7.001	S89	44.0	0.278	0.617	6.8747	
180 minute summer	S89	7.002	S90	66.3	0.418	0.929	6.8747	
180 minute summer	S90	7.003	S92	88.0	0.556	1.249	8.6413	
180 minute summer	S92	1.005	S86	127.9	0.808	1.801	4.4095	
180 minute summer	S81	8.000	S82	21.7	0.173	0.305	6.8747	
180 minute summer	S82	8.001	S83	44.0	0.278	0.631	6.8747	
180 minute summer	S83	8.002	S84	66.2	0.418	0.928	6.8747	
180 minute summer	S84	8.003	S86	88.0	0.555	1.239	8.1975	
180 minute summer	S86	1.006	S30	125.0	0.789	1.761	4.4165	
180 minute summer	S76	9.000	S77	21.8	0.173	0.305	6.8747	
180 minute summer	S77	9.001	S78	44.0	0.278	0.617	6.8747	

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Results for 100 year +20% CC 180 minute summer. 1620 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
180 minute summer	S78	100	0.857	1.218	67.0	3.9161	0.0000	SURCHARGED
180 minute summer	S79	100	0.841	1.223	88.8	3.8624	0.0000	SURCHARGED
180 minute summer	S30	104	0.817	1.224	127.4	3.1154	0.0000	SURCHARGED
180 minute summer	S31	104	0.790	1.126	24.2	3.7290	0.0000	SURCHARGED
180 minute summer	S32	104	0.788	1.167	44.7	3.6040	0.0000	SURCHARGED
180 minute summer	S33	108	0.782	1.205	147.1	3.0668	0.0000	SURCHARGED
180 minute summer	S34	108	0.721	1.160	140.3	2.0502	0.0000	SURCHARGED
180 minute summer	S35	108	0.618	1.084	139.0	1.9159	0.0000	SURCHARGED
180 minute summer	S36	112	0.642	1.084	21.8	1.9163	0.0000	SURCHARGED
180 minute summer	S37	108	0.583	1.054	160.6	5.1812	0.0000	SURCHARGED
180 minute summer	S38	112	0.337	0.853	160.6	1.5065	0.0000	SURCHARGED
180 minute summer	S39	112	0.079	0.641	160.8	1.1332	0.0000	SURCHARGED
180 minute summer	S56	112	0.034	0.593	1.1	1.0470	0.0000	SURCHARGED
180 minute summer	S57	112	0.034	0.599	160.7	1.5244	0.0000	SURCHARGED
180 minute summer	S125	112	-0.062	0.493	3.8	0.8711	0.0000	SURCHARGED
180 minute summer	S127	112	-0.062	0.517	160.7	1.3145	0.0000	SURCHARGED
180 minute summer	S119	112	-0.155	0.414	3.6	0.7308	0.0000	OK
180 minute summer	S60	112	-0.155	0.438	160.7	1.1137	0.0000	OK
180 minute summer	Pond Inlet 1	476	-0.259	0.351	160.6	0.6205	0.0000	OK
180 minute summer	Pond Outlet	424	-0.259	0.351	92.6	0.3971	0.0000	SURCHARGED
180 minute summer	S13	1452	-0.259	0.379	0.5	1.3135	0.0000	SURCHARGED
180 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute summer	PP-S26	120	0.827	0.327	26.1	32.7833	0.0000	SURCHARGED
180 minute summer	PP-S25	120	0.826	0.326	22.6	28.3884	0.0000	SURCHARGED
180 minute summer	PP-S16	120	0.826	0.326	37.6	47.9463	0.0000	SURCHARGED
180 minute summer	PP-S145	120	0.822	0.322	39.9	49.3135	0.0000	SURCHARGED
180 minute summer	PP-S4	124	0.807	0.307	27.6	41.3938	0.0000	SURCHARGED
180 minute summer	PP-S1	128	0.809	0.309	55.9	106.1983	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 summer	S78	9.002	S79	66.3	0.419	0.952	6.8745	
180 minute summer	S79	9.003	S30	88.1	0.556	1.225	7.6907	
180 minute summer	S30	1.007	S33	126.4	0.798	1.776	5.0209	
180 minute summer	S31	10.000	S32	23.4	0.184	0.331	13.6740	
180 minute summer	S32	10.001	S33	44.0	0.278	0.615	13.6740	
180 minute summer	S33	1.008	S34	140.3	0.886	1.989	5.1108	
180 minute summer	S34	1.009	S35	138.5	0.875	1.951	8.5103	
180 minute summer	S35	1.010	S37	139.2	0.878	2.094	1.7947	
180 minute summer	S36	11.000	S37	10.8	0.068	0.151	9.1184	
180 minute summer	S37	1.011	S38	160.6	1.013	2.272	14.3287	
180 minute summer	S38	1.012	S39	160.8	1.015	2.250	14.3287	
180 minute summer	S39	1.013	S57	160.7	1.015	2.537	1.1814	
180 minute summer	S56	12.011	S57	-1.1	-0.160	-0.016	2.0645	
180 minute summer	S57	1.014	S127	160.7	1.014	2.271	4.4483	
180 minute summer	S125	21.003	S127	-3.8	-0.199	-0.055	7.8151	
180 minute summer	S127	1.015	S60	160.7	1.014	2.256	4.3707	
180 minute summer	S119	22.003	S60	-3.6	-0.169	-0.052	7.6383	
180 minute summer	S60	1.016	Pond Inlet 1	160.6	1.116	2.122	4.2082	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	92.6	0.033	0.002	1867.5959	
180 minute summer	Pond Outlet	1.018	S13	0.5	0.233	0.007	0.4779	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	-19.6	0.563	-0.510	0.3977	
180 minute summer	PP-S25	2.000_1	S25	-17.1	0.679	-0.297	0.1989	
180 minute summer	PP-S16	3.000_1	S16	-27.5	0.905	-0.407	0.1989	
180 minute summer	PP-S145	4.000_2	S145	-28.2	1.116	-0.334	0.1989	
180 minute summer	PP-S4	1.000_2	S4	-18.4	0.869	-0.322	0.1989	
180 minute summer	PP-S1	4.000_1	S1	-34.2	1.212	-0.516	0.1989	

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Results for 100 year +20% CC 180 minute summer. 1620 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
180 minute summer	PP-S5	124	0.806	0.306	31.8	50.9239	0.0000	SURCHARGED
180 minute summer	PP-S12	124	0.803	0.303	23.6	31.5038	0.0000	SURCHARGED
180 minute summer	PP-S14	148	0.783	0.283	60.2	156.2943	0.0000	SURCHARGED
180 minute summer	PP-S2	128	0.803	0.303	26.0	32.7901	0.0000	SURCHARGED
180 minute summer	PP-S15	124	0.802	0.302	18.5	17.1184	0.0000	SURCHARGED
180 minute summer	PP-S75	116	0.807	0.307	21.6	19.1327	0.0000	SURCHARGED
180 minute summer	PP-S24	108	0.822	0.322	48.4	45.3928	0.0000	SURCHARGED
180 minute summer	PP-S30	104	0.818	0.318	23.0	18.3305	0.0000	SURCHARGED
180 minute summer	PP-S33	108	0.783	0.283	23.7	16.6532	0.0000	SURCHARGED
180 minute summer	PP-S34	108	0.723	0.223	33.0	27.9263	0.0000	OK
180 minute summer	PP-S35	112	0.621	0.121	6.1	3.1535	0.0000	OK
180 minute summer	PP-S36	108	0.583	0.083	9.1	6.4744	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP-S5	2.000_2	S5	-18.2	1.050	-0.246	0.1989	
180 minute summer	PP-S12	8.000_1	S12	25.2	0.936	0.277	0.1989	
180 minute summer	PP-S14	11.000_1	S14	-59.9	-1.686	-0.723	0.1989	
180 minute summer	PP-S2	10.000_1	S2	-19.3	0.994	-0.211	0.1989	
180 minute summer	PP-S15	12.000_1	S15	-14.2	0.982	-0.151	0.1989	
180 minute summer	PP-S75	13.000_1	S75	-17.4	1.001	-0.176	0.1989	
180 minute summer	PP-S24	14.000_1	S92	-35.5	1.337	-0.346	0.1989	
180 minute summer	PP-S30	18.000_1	S30	-19.1	1.068	-0.172	0.1989	
180 minute summer	PP-S33	20.000_1	S33	-18.2	1.159	-0.159	0.1989	
180 minute summer	PP-S34	21.000_1	S34	-21.3	1.419	-0.180	0.1987	
180 minute summer	PP-S35	22.000_2	S35	-4.3	0.869	-0.035	0.1537	
180 minute summer	PP-S36	23.000_2	S36	21.8	1.432	0.184	0.1326	

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Results for 100 year +20% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S26	128	0.860	1.098	14.3	1.9396	0.0000	SURCHARGED
180 minute winter	S25	132	0.860	1.104	15.0	2.8085	0.0000	SURCHARGED
180 minute winter	S16	132	0.859	1.126	45.3	4.9948	0.0000	SURCHARGED
180 minute winter	S145	132	0.857	1.172	50.0	5.0450	0.0000	SURCHARGED
180 minute winter	S4	132	0.849	1.092	14.2	1.9290	0.0000	SURCHARGED
180 minute winter	S5	132	0.848	1.132	28.8	2.0011	0.0000	SURCHARGED
180 minute winter	S9	132	0.848	1.144	12.9	2.6349	0.0000	SURCHARGED
180 minute winter	S10	132	0.848	1.169	6.0	2.0650	0.0000	SURCHARGED
180 minute winter	S11	132	0.848	1.174	27.8	2.0739	0.0000	SURCHARGED
180 minute winter	S12	132	0.847	1.182	33.0	2.0893	0.0000	SURCHARGED
180 minute winter	S1	132	0.851	1.115	30.1	2.6257	0.0000	SURCHARGED
180 minute winter	S3	132	0.850	1.157	24.1	3.6986	0.0000	SURCHARGED
180 minute winter	S2	132	0.848	1.184	31.8	2.0920	0.0000	SURCHARGED
180 minute winter	S14	140	0.835	1.144	56.5	2.0220	0.0000	SURCHARGED
180 minute winter	S15	132	0.847	1.193	105.9	5.3692	0.0000	SURCHARGED
180 minute winter	S75	132	0.846	1.208	117.6	3.0745	0.0000	SURCHARGED
180 minute winter	S87	116	0.856	1.142	17.3	3.7060	0.0000	SURCHARGED
180 minute winter	S88	116	0.856	1.164	34.6	3.7952	0.0000	SURCHARGED
180 minute winter	S89	116	0.854	1.184	52.0	3.8367	0.0000	SURCHARGED
180 minute winter	S90	120	0.848	1.200	68.8	3.8209	0.0000	SURCHARGED
180 minute winter	S92	128	0.843	1.222	123.8	3.1092	0.0000	SURCHARGED
180 minute winter	S81	112	0.855	1.157	17.3	3.7356	0.0000	SURCHARGED
180 minute winter	S82	116	0.855	1.179	34.6	3.8272	0.0000	SURCHARGED
180 minute winter	S83	116	0.852	1.197	52.0	3.8638	0.0000	SURCHARGED
180 minute winter	S84	116	0.846	1.213	68.8	3.8485	0.0000	SURCHARGED
180 minute winter	S86	120	0.839	1.232	124.1	3.1348	0.0000	SURCHARGED
180 minute winter	S76	112	0.846	1.163	17.3	3.7380	0.0000	SURCHARGED
180 minute winter	S77	112	0.845	1.184	34.7	3.8280	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	S26	1.000	S16	-14.3	-0.090	-0.203	9.2005	
180 minute winter	S25	2.000	S16	-12.7	-0.080	-0.180	7.3393	
180 minute winter	S16	1.001	S145	24.9	0.161	0.349	15.0038	
180 minute winter	S145	1.002	S75	33.5	0.263	0.475	15.0038	
180 minute winter	S4	3.000	S5	15.7	0.116	0.222	13.1095	
180 minute winter	S5	3.001	S11	-27.6	-0.174	-0.386	13.1095	
180 minute winter	S9	4.000	S10	-12.9	0.180	-0.183	8.0648	
180 minute winter	S10	4.001	S11	5.8	0.197	0.077	1.3780	
180 minute winter	S11	3.002	S12	23.6	-0.156	0.334	2.8740	
180 minute winter	S12	3.003	S15	41.6	0.263	0.604	3.6838	
180 minute winter	S1	5.000	S3	-23.8	-0.150	-0.335	13.5151	
180 minute winter	S3	5.001	S2	20.2	0.231	0.286	9.1848	
180 minute winter	S2	5.002	S15	35.9	0.226	0.526	3.4165	
180 minute winter	S14	6.000	S15	-56.5	-0.356	-0.802	11.8707	
180 minute winter	S15	3.004	S75	91.1	0.575	1.273	4.9661	
180 minute winter	S75	1.003	S92	116.4	0.734	1.635	5.3380	
180 minute winter	S87	7.000	S88	16.8	0.169	0.236	6.8747	
180 minute winter	S88	7.001	S89	34.2	0.216	0.479	6.8747	
180 minute winter	S89	7.002	S90	51.5	0.325	0.722	6.8747	
180 minute winter	S90	7.003	S92	68.4	0.431	0.970	8.6413	
180 minute winter	S92	1.005	S86	124.1	0.784	1.747	4.4095	
180 minute winter	S81	8.000	S82	16.8	0.168	0.236	6.8747	
180 minute winter	S82	8.001	S83	34.2	0.216	0.491	6.8747	
180 minute winter	S83	8.002	S84	51.5	0.325	0.722	6.8747	
180 minute winter	S84	8.003	S86	68.4	0.432	0.963	8.1975	
180 minute winter	S86	1.006	S30	125.3	0.791	1.765	4.4165	
180 minute winter	S76	9.000	S77	16.9	0.169	0.236	6.8747	
180 minute winter	S77	9.001	S78	34.2	0.216	0.480	6.8747	

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Results for 100 year +20% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S78	112	0.842	1.203	52.0	3.8657	0.0000	SURCHARGED
180 minute winter	S79	116	0.836	1.218	68.9	3.8485	0.0000	SURCHARGED
180 minute winter	S30	120	0.825	1.232	136.3	3.1361	0.0000	SURCHARGED
180 minute winter	S31	116	0.789	1.125	18.7	3.7246	0.0000	SURCHARGED
180 minute winter	S32	116	0.788	1.167	34.6	3.6042	0.0000	SURCHARGED
180 minute winter	S33	120	0.783	1.206	133.9	3.0705	0.0000	SURCHARGED
180 minute winter	S34	120	0.719	1.158	139.0	2.0454	0.0000	SURCHARGED
180 minute winter	S35	124	0.612	1.078	141.0	1.9049	0.0000	SURCHARGED
180 minute winter	S36	116	0.637	1.079	22.8	1.9068	0.0000	SURCHARGED
180 minute winter	S37	124	0.573	1.044	164.6	5.1341	0.0000	SURCHARGED
180 minute winter	S38	116	0.328	0.844	160.0	1.4922	0.0000	SURCHARGED
180 minute winter	S39	116	0.075	0.637	159.7	1.1263	0.0000	SURCHARGED
180 minute winter	S56	116	0.030	0.589	1.3	1.0415	0.0000	SURCHARGED
180 minute winter	S57	116	0.031	0.596	159.6	1.5162	0.0000	SURCHARGED
180 minute winter	S125	116	-0.064	0.491	3.1	0.8675	0.0000	SURCHARGED
180 minute winter	S127	116	-0.064	0.515	159.5	1.3096	0.0000	SURCHARGED
180 minute winter	S119	120	-0.156	0.413	3.6	0.7302	0.0000	OK
180 minute winter	S60	120	-0.156	0.437	159.5	1.1129	0.0000	OK
180 minute winter	Pond Inlet 1	404	-0.222	0.388	159.5	0.6849	0.0000	OK
180 minute winter	Pond Outlet	424	-0.223	0.387	100.7	0.4382	0.0000	SURCHARGED
180 minute winter	S13	424	-0.223	0.415	0.5	1.4391	0.0000	SURCHARGED
180 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute winter	PP-S26	132	0.860	0.360	19.2	36.4581	0.0000	SURCHARGED
180 minute winter	PP-S25	132	0.860	0.360	16.6	31.5819	0.0000	SURCHARGED
180 minute winter	PP-S16	132	0.860	0.360	28.8	53.6857	0.0000	SURCHARGED
180 minute winter	PP-S145	132	0.857	0.357	28.0	55.6591	0.0000	SURCHARGED
180 minute winter	PP-S4	132	0.849	0.349	20.9	48.0450	0.0000	SURCHARGED
180 minute winter	PP-S1	136	0.852	0.352	48.9	121.5072	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	S78	9.002	S79	51.6	0.326	0.740	6.8745	
180 minute winter	S79	9.003	S30	68.4	0.432	0.952	7.6907	
180 minute winter	S30	1.007	S33	128.8	0.813	1.809	5.0209	
180 minute winter	S31	10.000	S32	18.2	0.191	0.258	13.6740	
180 minute winter	S32	10.001	S33	34.2	0.246	0.478	13.6740	
180 minute winter	S33	1.008	S34	133.9	0.845	1.899	5.1108	
180 minute winter	S34	1.009	S35	139.2	0.878	1.959	8.5103	
180 minute winter	S35	1.010	S37	141.1	0.891	2.124	1.7947	
180 minute winter	S36	11.000	S37	10.4	0.065	0.146	9.1184	
180 minute winter	S37	1.011	S38	160.0	1.010	2.265	14.3287	
180 minute winter	S38	1.012	S39	159.7	1.008	2.234	14.3287	
180 minute winter	S39	1.013	S57	159.6	1.007	2.519	1.1814	
180 minute winter	S56	12.011	S57	-1.3	-0.089	-0.019	2.0645	
180 minute winter	S57	1.014	S127	159.5	1.006	2.254	4.4483	
180 minute winter	S125	21.003	S127	-3.1	-0.226	-0.045	7.8151	
180 minute winter	S127	1.015	S60	159.5	1.007	2.238	4.3701	
180 minute winter	S119	22.003	S60	-3.6	-0.181	-0.052	7.6354	
180 minute winter	S60	1.016	Pond Inlet 1	159.5	1.106	2.106	4.3666	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	100.6	0.038	0.002	2073.1528	
180 minute winter	Pond Outlet	1.018	S13	0.5	0.238	0.007	0.4779	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	-14.0	0.569	-0.365	0.3977	
180 minute winter	PP-S25	2.000_1	S25	15.0	0.688	0.262	0.1989	
180 minute winter	PP-S16	3.000_1	S16	-20.5	0.907	-0.304	0.1989	
180 minute winter	PP-S145	4.000_2	S145	28.1	1.118	0.333	0.1989	
180 minute winter	PP-S4	1.000_2	S4	14.2	0.878	0.249	0.1989	
180 minute winter	PP-S1	4.000_1	S1	-29.9	1.221	-0.450	0.1989	

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Results for 100 year +20% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP-S5	132	0.849	0.349	24.9	59.5391	0.0000	SURCHARGED
180 minute winter	PP-S12	132	0.847	0.347	17.6	36.5067	0.0000	SURCHARGED
180 minute winter	PP-S14	156	0.832	0.332	56.6	187.4873	0.0000	SURCHARGED
180 minute winter	PP-S2	132	0.848	0.348	18.7	37.8585	0.0000	SURCHARGED
180 minute winter	PP-S15	132	0.847	0.347	16.0	19.8285	0.0000	SURCHARGED
180 minute winter	PP-S75	132	0.846	0.346	17.3	21.7100	0.0000	SURCHARGED
180 minute winter	PP-S24	128	0.843	0.343	30.5	48.7296	0.0000	SURCHARGED
180 minute winter	PP-S30	116	0.825	0.325	18.5	18.7573	0.0000	SURCHARGED
180 minute winter	PP-S33	116	0.784	0.284	13.9	16.7079	0.0000	SURCHARGED
180 minute winter	PP-S34	120	0.719	0.219	19.9	27.4353	0.0000	OK
180 minute winter	PP-S35	116	0.611	0.111	3.3	2.8917	0.0000	OK
180 minute winter	PP-S36	112	0.565	0.065	8.1	4.3226	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP-S5	2.000_2	S5	21.7	1.101	0.293	0.1989	
180 minute winter	PP-S12	8.000_1	S12	-14.2	0.997	-0.156	0.1989	
180 minute winter	PP-S14	11.000_1	S14	-56.3	-1.556	-0.680	0.1989	
180 minute winter	PP-S2	10.000_1	S2	18.2	1.031	0.199	0.1989	
180 minute winter	PP-S15	12.000_1	S15	12.6	0.986	0.133	0.1989	
180 minute winter	PP-S75	13.000_1	S75	-13.9	1.004	-0.141	0.1989	
180 minute winter	PP-S24	14.000_1	S92	-20.4	1.340	-0.199	0.1989	
180 minute winter	PP-S30	18.000_1	S30	-15.4	1.076	-0.139	0.1989	
180 minute winter	PP-S33	20.000_1	S33	15.8	1.153	0.138	0.1989	
180 minute winter	PP-S34	21.000_1	S34	12.8	1.422	0.108	0.1981	
180 minute winter	PP-S35	22.000_2	S35	3.0	0.885	0.024	0.1483	
180 minute winter	PP-S36	23.000_2	S36	19.9	1.398	0.167	0.1233	

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Results for 100 year +20% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S26	152	0.799	1.037	17.7	1.8318	0.0000	SURCHARGED
240 minute summer	S25	152	0.799	1.043	14.9	2.6534	0.0000	SURCHARGED
240 minute summer	S16	152	0.798	1.065	50.2	4.7241	0.0000	SURCHARGED
240 minute summer	S145	152	0.795	1.110	48.9	4.7785	0.0000	SURCHARGED
240 minute summer	S4	156	0.787	1.030	16.5	1.8192	0.0000	SURCHARGED
240 minute summer	S5	156	0.786	1.070	29.7	1.8912	0.0000	SURCHARGED
240 minute summer	S9	156	0.785	1.081	6.9	2.4912	0.0000	SURCHARGED
240 minute summer	S10	156	0.785	1.106	11.4	1.9548	0.0000	SURCHARGED
240 minute summer	S11	156	0.785	1.111	30.1	1.9636	0.0000	SURCHARGED
240 minute summer	S12	156	0.785	1.120	43.8	1.9790	0.0000	SURCHARGED
240 minute summer	S1	156	0.789	1.053	29.1	2.4809	0.0000	SURCHARGED
240 minute summer	S3	156	0.787	1.094	23.9	3.4998	0.0000	SURCHARGED
240 minute summer	S2	156	0.785	1.121	33.4	1.9816	0.0000	SURCHARGED
240 minute summer	S14	164	0.774	1.083	53.9	1.9132	0.0000	SURCHARGED
240 minute summer	S15	156	0.784	1.130	98.2	5.0878	0.0000	SURCHARGED
240 minute summer	S75	156	0.783	1.145	114.5	2.9153	0.0000	SURCHARGED
240 minute summer	S87	136	0.801	1.087	18.8	3.5259	0.0000	SURCHARGED
240 minute summer	S88	136	0.800	1.108	37.4	3.6140	0.0000	SURCHARGED
240 minute summer	S89	136	0.797	1.127	56.0	3.6528	0.0000	SURCHARGED
240 minute summer	S90	140	0.790	1.142	74.1	3.6383	0.0000	SURCHARGED
240 minute summer	S92	148	0.781	1.160	122.5	2.9510	0.0000	SURCHARGED
240 minute summer	S81	132	0.801	1.103	18.8	3.5606	0.0000	SURCHARGED
240 minute summer	S82	136	0.800	1.124	37.4	3.6491	0.0000	SURCHARGED
240 minute summer	S83	136	0.797	1.142	56.0	3.6852	0.0000	SURCHARGED
240 minute summer	S84	136	0.789	1.156	74.0	3.6668	0.0000	SURCHARGED
240 minute summer	S86	144	0.779	1.172	120.8	2.9822	0.0000	SURCHARGED
240 minute summer	S76	132	0.795	1.112	18.8	3.5749	0.0000	SURCHARGED
240 minute summer	S77	132	0.794	1.133	37.4	3.6630	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S26	1.000	S16	-16.0	-0.101	-0.225	9.2005	
240 minute summer	S25	2.000	S16	21.4	0.135	0.303	7.3393	
240 minute summer	S16	1.001	S145	28.2	0.178	0.395	15.0038	
240 minute summer	S145	1.002	S75	41.0	0.259	0.581	15.0038	
240 minute summer	S4	3.000	S5	-14.8	0.108	-0.210	13.1095	
240 minute summer	S5	3.001	S11	-29.7	-0.187	-0.415	13.1095	
240 minute summer	S9	4.000	S10	7.6	0.157	0.108	8.0648	
240 minute summer	S10	4.001	S11	-6.7	0.177	-0.088	1.3780	
240 minute summer	S11	3.002	S12	30.9	0.195	0.438	2.8740	
240 minute summer	S12	3.003	S15	42.9	0.270	0.622	3.6838	
240 minute summer	S1	5.000	S3	-23.7	-0.149	-0.333	13.5151	
240 minute summer	S3	5.001	S2	19.2	0.201	0.271	9.1848	
240 minute summer	S2	5.002	S15	34.1	0.215	0.500	3.4165	
240 minute summer	S14	6.000	S15	-53.9	-0.340	-0.766	11.8707	
240 minute summer	S15	3.004	S75	83.1	0.525	1.161	4.9661	
240 minute summer	S75	1.003	S92	117.1	0.739	1.645	5.3380	
240 minute summer	S87	7.000	S88	18.1	0.154	0.254	6.8747	
240 minute summer	S88	7.001	S89	36.7	0.232	0.514	6.8747	
240 minute summer	S89	7.002	S90	55.3	0.349	0.775	6.8747	
240 minute summer	S90	7.003	S92	73.5	0.464	1.043	8.6413	
240 minute summer	S92	1.005	S86	119.5	0.754	1.682	4.4095	
240 minute summer	S81	8.000	S82	18.1	0.153	0.254	6.8747	
240 minute summer	S82	8.001	S83	36.7	0.231	0.526	6.8747	
240 minute summer	S83	8.002	S84	55.2	0.349	0.774	6.8747	
240 minute summer	S84	8.003	S86	73.4	0.463	1.033	8.1975	
240 minute summer	S86	1.006	S30	120.5	0.760	1.697	4.4165	
240 minute summer	S76	9.000	S77	18.1	0.154	0.253	6.8747	
240 minute summer	S77	9.001	S78	36.7	0.231	0.514	6.8747	

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Results for 100 year +20% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S78	136	0.791	1.152	56.0	3.7015	0.0000	SURCHARGED
240 minute summer	S79	136	0.783	1.165	74.0	3.6802	0.0000	SURCHARGED
240 minute summer	S30	140	0.770	1.177	125.7	2.9948	0.0000	SURCHARGED
240 minute summer	S31	136	0.740	1.076	20.3	3.5637	0.0000	SURCHARGED
240 minute summer	S32	140	0.739	1.118	37.4	3.4524	0.0000	SURCHARGED
240 minute summer	S33	140	0.735	1.158	134.8	2.9470	0.0000	SURCHARGED
240 minute summer	S34	140	0.676	1.115	136.5	1.9706	0.0000	SURCHARGED
240 minute summer	S35	136	0.576	1.042	137.0	1.8409	0.0000	SURCHARGED
240 minute summer	S36	136	0.543	0.985	7.5	1.7409	0.0000	SURCHARGED
240 minute summer	S37	136	0.543	1.014	156.9	4.9845	0.0000	SURCHARGED
240 minute summer	S38	136	0.302	0.818	156.8	1.4450	0.0000	SURCHARGED
240 minute summer	S39	140	0.061	0.623	156.8	1.1002	0.0000	SURCHARGED
240 minute summer	S56	140	0.018	0.577	1.3	1.0197	0.0000	SURCHARGED
240 minute summer	S57	140	0.018	0.583	156.7	1.4840	0.0000	SURCHARGED
240 minute summer	S125	140	-0.074	0.481	4.5	0.8507	0.0000	SURCHARGED
240 minute summer	S127	140	-0.074	0.505	156.7	1.2864	0.0000	SURCHARGED
240 minute summer	S119	140	-0.162	0.407	2.9	0.7188	0.0000	OK
240 minute summer	S60	140	-0.162	0.431	156.7	1.0964	0.0000	OK
240 minute summer	Pond Inlet 1	444	-0.238	0.372	156.5	0.6582	0.0000	OK
240 minute summer	Pond Outlet	448	-0.238	0.372	78.9	0.4210	0.0000	SURCHARGED
240 minute summer	S13	1084	-0.238	0.400	0.4	1.3866	0.0000	SURCHARGED
240 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute summer	PP-S26	152	0.799	0.299	21.2	29.7335	0.0000	SURCHARGED
240 minute summer	PP-S25	152	0.799	0.299	18.5	25.7949	0.0000	SURCHARGED
240 minute summer	PP-S16	152	0.799	0.299	30.9	43.2052	0.0000	SURCHARGED
240 minute summer	PP-S145	152	0.795	0.295	30.8	44.5552	0.0000	SURCHARGED
240 minute summer	PP-S4	156	0.787	0.287	22.3	38.2846	0.0000	SURCHARGED
240 minute summer	PP-S1	160	0.791	0.291	48.0	99.5832	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S78	9.002	S79	55.2	0.349	0.793	6.8745	
240 minute summer	S79	9.003	S30	73.4	0.463	1.020	7.6907	
240 minute summer	S30	1.007	S33	123.0	0.777	1.728	5.0209	
240 minute summer	S31	10.000	S32	19.6	0.176	0.277	13.6740	
240 minute summer	S32	10.001	S33	36.8	0.232	0.514	13.6740	
240 minute summer	S33	1.008	S34	134.9	0.852	1.913	5.1108	
240 minute summer	S34	1.009	S35	136.5	0.862	1.923	8.5103	
240 minute summer	S35	1.010	S37	137.1	0.866	2.064	1.7947	
240 minute summer	S36	11.000	S37	7.4	-0.051	0.103	9.1184	
240 minute summer	S37	1.011	S38	156.8	0.990	2.219	14.3287	
240 minute summer	S38	1.012	S39	156.8	0.989	2.194	14.3287	
240 minute summer	S39	1.013	S57	156.7	0.989	2.474	1.1814	
240 minute summer	S56	12.011	S57	-1.3	-0.106	-0.019	2.0645	
240 minute summer	S57	1.014	S127	156.7	0.989	2.215	4.4483	
240 minute summer	S125	21.003	S127	-4.5	-0.178	-0.064	7.8151	
240 minute summer	S127	1.015	S60	156.7	0.989	2.199	4.3553	
240 minute summer	S119	22.003	S60	-2.9	-0.174	-0.042	7.5688	
240 minute summer	S60	1.016	Pond Inlet 1	156.5	1.101	2.067	4.2802	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	78.9	0.028	0.002	1987.3346	
240 minute summer	Pond Outlet	1.018	S13	0.4	0.209	0.006	0.4779	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	-15.6	0.636	-0.407	0.3977	
240 minute summer	PP-S25	2.000_1	S25	14.9	0.678	0.260	0.1989	
240 minute summer	PP-S16	3.000_1	S16	-22.3	0.903	-0.331	0.1989	
240 minute summer	PP-S145	4.000_2	S145	-20.9	1.111	-0.248	0.1989	
240 minute summer	PP-S4	1.000_2	S4	16.5	0.772	0.289	0.1989	
240 minute summer	PP-S1	4.000_1	S1	-28.9	1.240	-0.435	0.1989	

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Results for 100 year +20% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	PP-S5	156	0.787	0.287	26.3	47.1632	0.0000	SURCHARGED
240 minute summer	PP-S12	156	0.785	0.285	18.8	29.5517	0.0000	SURCHARGED
240 minute summer	PP-S14	180	0.770	0.270	54.1	148.3684	0.0000	SURCHARGED
240 minute summer	PP-S2	156	0.786	0.286	20.2	30.8054	0.0000	SURCHARGED
240 minute summer	PP-S15	156	0.784	0.284	13.3	16.0870	0.0000	SURCHARGED
240 minute summer	PP-S75	156	0.784	0.284	16.1	17.6152	0.0000	SURCHARGED
240 minute summer	PP-S24	148	0.782	0.282	37.8	39.0821	0.0000	SURCHARGED
240 minute summer	PP-S30	140	0.770	0.270	17.5	15.4745	0.0000	SURCHARGED
240 minute summer	PP-S33	140	0.735	0.235	13.2	13.6788	0.0000	SURCHARGED
240 minute summer	PP-S34	140	0.677	0.177	22.3	21.4064	0.0000	OK
240 minute summer	PP-S35	136	0.576	0.076	3.2	1.9235	0.0000	OK
240 minute summer	PP-S36	132	0.538	0.038	7.7	1.5098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	PP-S5	2.000_2	S5	-14.7	1.046	-0.198	0.1989	
240 minute summer	PP-S12	8.000_1	S12	-15.1	1.023	-0.166	0.1989	
240 minute summer	PP-S14	11.000_1	S14	-53.8	-1.537	-0.649	0.1989	
240 minute summer	PP-S2	10.000_1	S2	21.7	1.049	0.238	0.1989	
240 minute summer	PP-S15	12.000_1	S15	10.3	0.976	0.110	0.1989	
240 minute summer	PP-S75	13.000_1	S75	-12.7	0.997	-0.128	0.1989	
240 minute summer	PP-S24	14.000_1	S92	-26.6	1.331	-0.259	0.1989	
240 minute summer	PP-S30	18.000_1	S30	-14.2	1.067	-0.127	0.1989	
240 minute summer	PP-S33	20.000_1	S33	14.4	1.151	0.126	0.1989	
240 minute summer	PP-S34	21.000_1	S34	13.3	1.413	0.112	0.1833	
240 minute summer	PP-S35	22.000_2	S35	2.4	0.837	0.020	0.1288	
240 minute summer	PP-S36	23.000_2	S36	7.5	1.396	0.063	0.1105	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S26	172	0.826	1.064	15.2	1.8793	0.0000	SURCHARGED
240 minute winter	S25	172	0.825	1.069	12.6	2.7217	0.0000	SURCHARGED
240 minute winter	S16	172	0.825	1.092	34.8	4.8436	0.0000	SURCHARGED
240 minute winter	S145	168	0.823	1.138	39.2	4.9012	0.0000	SURCHARGED
240 minute winter	S4	168	0.818	1.061	16.5	1.8746	0.0000	SURCHARGED
240 minute winter	S5	172	0.818	1.102	33.9	1.9466	0.0000	SURCHARGED
240 minute winter	S9	172	0.817	1.113	7.0	2.5639	0.0000	SURCHARGED
240 minute winter	S10	172	0.817	1.138	10.0	2.0105	0.0000	SURCHARGED
240 minute winter	S11	172	0.817	1.143	26.4	2.0193	0.0000	SURCHARGED
240 minute winter	S12	168	0.817	1.152	38.2	2.0347	0.0000	SURCHARGED
240 minute winter	S1	172	0.819	1.083	24.2	2.5509	0.0000	SURCHARGED
240 minute winter	S3	168	0.818	1.125	22.8	3.5986	0.0000	SURCHARGED
240 minute winter	S2	168	0.817	1.153	33.1	2.0372	0.0000	SURCHARGED
240 minute winter	S14	180	0.812	1.121	48.7	1.9802	0.0000	SURCHARGED
240 minute winter	S15	168	0.816	1.162	97.4	5.2306	0.0000	SURCHARGED
240 minute winter	S75	168	0.815	1.177	117.3	2.9966	0.0000	SURCHARGED
240 minute winter	S87	160	0.818	1.104	14.0	3.5818	0.0000	SURCHARGED
240 minute winter	S88	164	0.818	1.126	28.1	3.6717	0.0000	SURCHARGED
240 minute winter	S89	164	0.817	1.147	42.1	3.7181	0.0000	SURCHARGED
240 minute winter	S90	164	0.815	1.167	55.8	3.7180	0.0000	SURCHARGED
240 minute winter	S92	164	0.811	1.190	124.3	3.0293	0.0000	SURCHARGED
240 minute winter	S81	156	0.810	1.112	14.0	3.5910	0.0000	SURCHARGED
240 minute winter	S82	156	0.810	1.134	28.1	3.6816	0.0000	SURCHARGED
240 minute winter	S83	160	0.809	1.154	42.1	3.7243	0.0000	SURCHARGED
240 minute winter	S84	160	0.806	1.173	55.8	3.7216	0.0000	SURCHARGED
240 minute winter	S86	160	0.801	1.194	124.5	3.0391	0.0000	SURCHARGED
240 minute winter	S76	152	0.792	1.109	14.0	3.5670	0.0000	SURCHARGED
240 minute winter	S77	152	0.792	1.131	28.1	3.6569	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S26	1.000	S16	10.6	0.067	0.150	9.2005	
240 minute winter	S25	2.000	S16	15.2	0.096	0.215	7.3393	
240 minute winter	S16	1.001	S145	24.6	0.166	0.345	15.0038	
240 minute winter	S145	1.002	S75	35.7	0.255	0.506	15.0038	
240 minute winter	S4	3.000	S5	18.4	0.116	0.261	13.1095	
240 minute winter	S5	3.001	S11	26.4	0.167	0.370	13.1095	
240 minute winter	S9	4.000	S10	10.0	0.164	0.142	8.0648	
240 minute winter	S10	4.001	S11	-6.7	0.170	-0.088	1.3780	
240 minute winter	S11	3.002	S12	27.4	0.173	0.388	2.8740	
240 minute winter	S12	3.003	S15	36.4	0.230	0.529	3.6838	
240 minute winter	S1	5.000	S3	22.8	0.144	0.320	13.5151	
240 minute winter	S3	5.001	S2	18.6	0.213	0.263	9.1848	
240 minute winter	S2	5.002	S15	33.4	0.211	0.490	3.4165	
240 minute winter	S14	6.000	S15	-48.7	-0.307	-0.692	11.8707	
240 minute winter	S15	3.004	S75	85.5	0.539	1.194	4.9661	
240 minute winter	S75	1.003	S92	115.3	0.728	1.620	5.3380	
240 minute winter	S87	7.000	S88	13.7	0.155	0.191	6.8747	
240 minute winter	S88	7.001	S89	27.7	0.196	0.389	6.8747	
240 minute winter	S89	7.002	S90	41.8	0.264	0.586	6.8747	
240 minute winter	S90	7.003	S92	55.5	0.350	0.787	8.6413	
240 minute winter	S92	1.005	S86	124.5	0.786	1.752	4.4095	
240 minute winter	S81	8.000	S82	13.7	0.154	0.191	6.8747	
240 minute winter	S82	8.001	S83	27.7	0.192	0.398	6.8747	
240 minute winter	S83	8.002	S84	41.8	0.264	0.586	6.8747	
240 minute winter	S84	8.003	S86	55.5	0.350	0.781	8.1975	
240 minute winter	S86	1.006	S30	123.3	0.778	1.737	4.4165	
240 minute winter	S76	9.000	S77	13.7	0.155	0.192	6.8747	
240 minute winter	S77	9.001	S78	27.7	0.193	0.389	6.8747	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S78	152	0.790	1.151	42.1	3.7009	0.0000	SURCHARGED
240 minute winter	S79	152	0.787	1.169	55.8	3.6917	0.0000	SURCHARGED
240 minute winter	S30	156	0.780	1.187	125.8	3.0217	0.0000	SURCHARGED
240 minute winter	S31	152	0.738	1.074	15.1	3.5560	0.0000	SURCHARGED
240 minute winter	S32	152	0.737	1.116	28.1	3.4460	0.0000	SURCHARGED
240 minute winter	S33	152	0.734	1.157	130.0	2.9446	0.0000	SURCHARGED
240 minute winter	S34	152	0.668	1.107	137.3	1.9560	0.0000	SURCHARGED
240 minute winter	S35	152	0.560	1.026	138.1	1.8136	0.0000	SURCHARGED
240 minute winter	S36	148	0.524	0.966	6.0	1.7075	0.0000	SURCHARGED
240 minute winter	S37	148	0.524	0.995	154.7	4.8925	0.0000	SURCHARGED
240 minute winter	S38	148	0.290	0.806	154.7	1.4235	0.0000	SURCHARGED
240 minute winter	S39	152	0.055	0.617	154.7	1.0907	0.0000	SURCHARGED
240 minute winter	S56	152	0.014	0.573	1.1	1.0120	0.0000	SURCHARGED
240 minute winter	S57	152	0.014	0.579	154.7	1.4729	0.0000	SURCHARGED
240 minute winter	S125	152	-0.076	0.479	3.3	0.8471	0.0000	SURCHARGED
240 minute winter	S127	152	-0.076	0.503	154.6	1.2811	0.0000	SURCHARGED
240 minute winter	S119	156	-0.162	0.407	3.0	0.7197	0.0000	OK
240 minute winter	S60	156	-0.162	0.431	154.6	1.0976	0.0000	OK
240 minute winter	Pond Inlet 1	428	-0.199	0.411	154.5	0.7267	0.0000	OK
240 minute winter	Pond Outlet	444	-0.199	0.411	77.5	0.4643	0.0000	SURCHARGED
240 minute winter	S13	444	-0.199	0.439	0.4	1.5193	0.0000	SURCHARGED
240 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute winter	PP-S26	172	0.826	0.326	14.2	32.6829	0.0000	SURCHARGED
240 minute winter	PP-S25	172	0.826	0.326	12.5	28.3414	0.0000	SURCHARGED
240 minute winter	PP-S16	172	0.826	0.326	20.5	47.8166	0.0000	SURCHARGED
240 minute winter	PP-S145	168	0.824	0.324	19.5	49.6348	0.0000	SURCHARGED
240 minute winter	PP-S4	172	0.818	0.318	15.5	43.1931	0.0000	SURCHARGED
240 minute winter	PP-S1	172	0.821	0.321	37.7	110.2640	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S78	9.002	S79	41.8	0.264	0.600	6.8745	
240 minute winter	S79	9.003	S30	55.5	0.350	0.772	7.6907	
240 minute winter	S30	1.007	S33	125.7	0.794	1.766	5.0209	
240 minute winter	S31	10.000	S32	14.8	0.172	0.209	13.6740	
240 minute winter	S32	10.001	S33	27.8	0.218	0.388	13.6740	
240 minute winter	S33	1.008	S34	130.1	0.821	1.844	5.1108	
240 minute winter	S34	1.009	S35	137.4	0.867	1.935	8.5103	
240 minute winter	S35	1.010	S37	138.2	0.872	2.079	1.7947	
240 minute winter	S36	11.000	S37	5.9	-0.048	0.083	9.1184	
240 minute winter	S37	1.011	S38	154.7	0.976	2.189	14.3287	
240 minute winter	S38	1.012	S39	154.7	0.976	2.164	14.3287	
240 minute winter	S39	1.013	S57	154.7	0.976	2.441	1.1814	
240 minute winter	S56	12.011	S57	-1.1	-0.120	-0.016	2.0645	
240 minute winter	S57	1.014	S127	154.6	0.976	2.186	4.4483	
240 minute winter	S125	21.003	S127	-3.3	-0.213	-0.048	7.8151	
240 minute winter	S127	1.015	S60	154.6	0.976	2.170	4.3565	
240 minute winter	S119	22.003	S60	-3.0	-0.153	-0.043	7.5740	
240 minute winter	S60	1.016	Pond Inlet 1	154.5	1.085	2.041	4.5028	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	77.5	0.031	0.002	2206.2957	
240 minute winter	Pond Outlet	1.018	S13	0.4	0.227	0.005	0.4779	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	10.2	0.661	0.267	0.3977	
240 minute winter	PP-S25	2.000_1	S25	11.5	0.662	0.201	0.1989	
240 minute winter	PP-S16	3.000_1	S16	14.4	0.882	0.213	0.1989	
240 minute winter	PP-S145	4.000_2	S145	13.1	1.085	0.155	0.1989	
240 minute winter	PP-S4	1.000_2	S4	16.5	0.798	0.289	0.1989	
240 minute winter	PP-S1	4.000_1	S1	24.2	1.202	0.365	0.1989	

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Results for 100 year +20% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	PP-S5	172	0.818	0.318	18.7	53.4251	0.0000	SURCHARGED
240 minute winter	PP-S12	172	0.817	0.317	14.0	33.0645	0.0000	SURCHARGED
240 minute winter	PP-S14	188	0.811	0.311	48.5	174.2931	0.0000	SURCHARGED
240 minute winter	PP-S2	168	0.817	0.317	15.0	34.3565	0.0000	SURCHARGED
240 minute winter	PP-S15	168	0.816	0.316	14.3	17.9864	0.0000	SURCHARGED
240 minute winter	PP-S75	168	0.816	0.316	14.0	19.7045	0.0000	SURCHARGED
240 minute winter	PP-S24	164	0.812	0.312	19.8	43.8016	0.0000	SURCHARGED
240 minute winter	PP-S30	156	0.780	0.280	13.6	16.0973	0.0000	SURCHARGED
240 minute winter	PP-S33	152	0.734	0.234	7.9	13.6035	0.0000	SURCHARGED
240 minute winter	PP-S34	152	0.668	0.168	12.7	20.1495	0.0000	OK
240 minute winter	PP-S35	152	0.560	0.060	1.8	1.4975	0.0000	OK
240 minute winter	PP-S36	132	0.534	0.034	6.0	1.2217	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	PP-S5	2.000_2	S5	17.8	1.058	0.240	0.1989	
240 minute winter	PP-S12	8.000_1	S12	24.8	1.060	0.273	0.1989	
240 minute winter	PP-S14	11.000_1	S14	-48.3	1.548	-0.583	0.1989	
240 minute winter	PP-S2	10.000_1	S2	17.5	1.037	0.191	0.1989	
240 minute winter	PP-S15	12.000_1	S15	16.7	0.982	0.177	0.1989	
240 minute winter	PP-S75	13.000_1	S75	15.7	0.974	0.159	0.1989	
240 minute winter	PP-S24	14.000_1	S92	21.4	1.301	0.208	0.1989	
240 minute winter	PP-S30	18.000_1	S30	15.8	1.044	0.142	0.1989	
240 minute winter	PP-S33	20.000_1	S33	4.5	1.152	0.040	0.1989	
240 minute winter	PP-S34	21.000_1	S34	10.6	1.421	0.090	0.1791	
240 minute winter	PP-S35	22.000_2	S35	1.7	0.840	0.014	0.1208	
240 minute winter	PP-S36	23.000_2	S36	6.0	1.333	0.050	0.1089	

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Results for 100 year +20% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S26	224	0.751	0.989	10.7	1.7477	0.0000	SURCHARGED
360 minute summer	S25	224	0.751	0.995	15.0	2.5323	0.0000	SURCHARGED
360 minute summer	S16	224	0.751	1.018	33.4	4.5135	0.0000	SURCHARGED
360 minute summer	S145	224	0.749	1.064	47.9	4.5804	0.0000	SURCHARGED
360 minute summer	S4	224	0.744	0.987	16.9	1.7433	0.0000	SURCHARGED
360 minute summer	S5	224	0.743	1.027	26.4	1.8152	0.0000	SURCHARGED
360 minute summer	S9	224	0.742	1.038	22.0	2.3925	0.0000	SURCHARGED
360 minute summer	S10	224	0.742	1.063	7.1	1.8790	0.0000	SURCHARGED
360 minute summer	S11	224	0.742	1.068	19.6	1.8879	0.0000	SURCHARGED
360 minute summer	S12	224	0.742	1.077	28.1	1.9032	0.0000	SURCHARGED
360 minute summer	S1	224	0.745	1.009	22.3	2.3753	0.0000	SURCHARGED
360 minute summer	S3	224	0.744	1.051	19.5	3.3603	0.0000	SURCHARGED
360 minute summer	S2	224	0.742	1.078	21.8	1.9056	0.0000	SURCHARGED
360 minute summer	S14	232	0.737	1.046	44.2	1.8487	0.0000	SURCHARGED
360 minute summer	S15	224	0.742	1.088	72.3	4.8954	0.0000	SURCHARGED
360 minute summer	S75	224	0.741	1.103	95.8	2.8069	0.0000	SURCHARGED
360 minute summer	S87	216	0.743	1.029	14.1	3.3388	0.0000	SURCHARGED
360 minute summer	S88	216	0.743	1.051	28.1	3.4276	0.0000	SURCHARGED
360 minute summer	S89	216	0.742	1.072	42.3	3.4754	0.0000	SURCHARGED
360 minute summer	S90	216	0.740	1.092	56.0	3.4795	0.0000	SURCHARGED
360 minute summer	S92	216	0.736	1.115	107.6	2.8386	0.0000	SURCHARGED
360 minute summer	S81	216	0.734	1.036	14.1	3.3438	0.0000	SURCHARGED
360 minute summer	S82	216	0.733	1.057	28.1	3.4334	0.0000	SURCHARGED
360 minute summer	S83	216	0.733	1.078	42.3	3.4786	0.0000	SURCHARGED
360 minute summer	S84	216	0.731	1.098	56.0	3.4820	0.0000	SURCHARGED
360 minute summer	S86	216	0.727	1.120	112.3	2.8499	0.0000	SURCHARGED
360 minute summer	S76	208	0.717	1.034	14.1	3.3233	0.0000	SURCHARGED
360 minute summer	S77	208	0.716	1.055	28.1	3.4122	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	S26	1.000	S16	-10.7	-0.068	-0.151	9.2005	
360 minute summer	S25	2.000	S16	9.4	0.059	0.133	7.3393	
360 minute summer	S16	1.001	S145	20.9	0.162	0.292	15.0038	
360 minute summer	S145	1.002	S75	28.2	0.225	0.400	15.0038	
360 minute summer	S4	3.000	S5	-10.0	0.101	-0.142	13.1095	
360 minute summer	S5	3.001	S11	-19.8	0.126	-0.278	13.1095	
360 minute summer	S9	4.000	S10	-21.5	0.138	-0.307	8.0648	
360 minute summer	S10	4.001	S11	-7.1	0.075	-0.093	1.3780	
360 minute summer	S11	3.002	S12	21.1	0.133	0.299	2.8740	
360 minute summer	S12	3.003	S15	36.5	0.230	0.530	3.6838	
360 minute summer	S1	5.000	S3	18.2	0.115	0.256	13.5151	
360 minute summer	S3	5.001	S2	16.9	0.180	0.238	9.1848	
360 minute summer	S2	5.002	S15	20.3	0.139	0.297	3.4165	
360 minute summer	S14	6.000	S15	-44.2	-0.279	-0.628	11.8707	
360 minute summer	S15	3.004	S75	69.9	0.441	0.976	4.9661	
360 minute summer	S75	1.003	S92	96.4	0.608	1.354	5.3380	
360 minute summer	S87	7.000	S88	13.6	0.142	0.191	6.8747	
360 minute summer	S88	7.001	S89	27.8	0.185	0.390	6.8747	
360 minute summer	S89	7.002	S90	41.9	0.264	0.587	6.8747	
360 minute summer	S90	7.003	S92	55.7	0.351	0.790	8.6413	
360 minute summer	S92	1.005	S86	107.4	0.678	1.511	4.4095	
360 minute summer	S81	8.000	S82	13.6	0.140	0.191	6.8747	
360 minute summer	S82	8.001	S83	27.8	0.183	0.399	6.8747	
360 minute summer	S83	8.002	S84	41.9	0.265	0.587	6.8747	
360 minute summer	S84	8.003	S86	55.6	0.351	0.782	8.1975	
360 minute summer	S86	1.006	S30	112.3	0.709	1.582	4.4165	
360 minute summer	S76	9.000	S77	13.7	0.142	0.191	6.8747	
360 minute summer	S77	9.001	S78	27.8	0.184	0.389	6.8747	

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Results for 100 year +20% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S78	208	0.715	1.076	42.3	3.4588	0.0000	SURCHARGED
360 minute summer	S79	208	0.712	1.094	56.0	3.4566	0.0000	SURCHARGED
360 minute summer	S30	208	0.706	1.113	120.3	2.8334	0.0000	SURCHARGED
360 minute summer	S31	208	0.667	1.003	15.2	3.3213	0.0000	SURCHARGED
360 minute summer	S32	208	0.666	1.045	28.3	3.2278	0.0000	SURCHARGED
360 minute summer	S33	208	0.664	1.087	127.8	2.7666	0.0000	SURCHARGED
360 minute summer	S34	208	0.603	1.042	132.8	1.8418	0.0000	SURCHARGED
360 minute summer	S35	200	0.505	0.971	133.5	1.7166	0.0000	SURCHARGED
360 minute summer	S36	200	0.473	0.915	5.7	1.6160	0.0000	SURCHARGED
360 minute summer	S37	200	0.472	0.943	149.8	4.6377	0.0000	SURCHARGED
360 minute summer	S38	200	0.252	0.768	149.9	1.3573	0.0000	SURCHARGED
360 minute summer	S39	200	0.032	0.594	149.9	1.0492	0.0000	SURCHARGED
360 minute summer	S56	200	-0.007	0.552	1.2	0.9748	0.0000	SURCHARGED
360 minute summer	S57	200	-0.007	0.558	149.9	1.4193	0.0000	SURCHARGED
360 minute summer	S125	208	-0.091	0.464	3.2	0.8201	0.0000	SURCHARGED
360 minute summer	S127	208	-0.091	0.488	149.9	1.2423	0.0000	SURCHARGED
360 minute summer	S119	208	-0.172	0.397	2.3	0.7023	0.0000	OK
360 minute summer	S60	208	-0.172	0.421	149.8	1.0726	0.0000	OK
360 minute summer	Pond Inlet 1	480	-0.208	0.402	149.8	0.7111	0.0000	OK
360 minute summer	Pond Outlet	496	-0.208	0.402	75.1	0.4549	0.0000	SURCHARGED
360 minute summer	S13	496	-0.208	0.430	0.3	1.4902	0.0000	SURCHARGED
360 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute summer	PP-S26	224	0.751	0.251	14.6	24.4437	0.0000	SURCHARGED
360 minute summer	PP-S25	224	0.751	0.251	12.2	21.2727	0.0000	SURCHARGED
360 minute summer	PP-S16	224	0.751	0.251	19.7	35.0252	0.0000	SURCHARGED
360 minute summer	PP-S145	224	0.749	0.249	20.2	36.2645	0.0000	SURCHARGED
360 minute summer	PP-S4	224	0.744	0.244	15.6	31.5056	0.0000	SURCHARGED
360 minute summer	PP-S1	224	0.746	0.246	35.1	83.7596	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	S78	9.002	S79	41.9	0.264	0.601	6.8745	
360 minute summer	S79	9.003	S30	55.5	0.351	0.772	7.6907	
360 minute summer	S30	1.007	S33	120.3	0.759	1.690	5.0209	
360 minute summer	S31	10.000	S32	14.9	0.157	0.211	13.6740	
360 minute summer	S32	10.001	S33	28.0	0.177	0.391	13.6740	
360 minute summer	S33	1.008	S34	127.9	0.808	1.814	5.1108	
360 minute summer	S34	1.009	S35	133.1	0.840	1.874	8.5103	
360 minute summer	S35	1.010	S37	133.7	0.844	2.013	1.7947	
360 minute summer	S36	11.000	S37	5.6	0.035	0.078	9.1184	
360 minute summer	S37	1.011	S38	149.9	0.946	2.122	14.3287	
360 minute summer	S38	1.012	S39	149.9	0.946	2.098	14.3287	
360 minute summer	S39	1.013	S57	149.9	0.946	2.366	1.1814	
360 minute summer	S56	12.011	S57	-1.2	-0.187	-0.018	2.0645	
360 minute summer	S57	1.014	S127	149.9	0.946	2.119	4.4483	
360 minute summer	S125	21.003	S127	-3.2	-0.168	-0.046	7.8151	
360 minute summer	S127	1.015	S60	149.8	0.946	2.103	4.3295	
360 minute summer	S119	22.003	S60	-2.3	-0.135	-0.034	7.4587	
360 minute summer	S60	1.016	Pond Inlet 1	149.8	1.071	1.978	4.4763	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	75.1	0.024	0.002	2157.9724	
360 minute summer	Pond Outlet	1.018	S13	0.3	0.193	0.005	0.4779	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	-10.4	0.582	-0.272	0.3977	
360 minute summer	PP-S25	2.000_1	S25	-8.6	0.684	-0.149	0.1989	
360 minute summer	PP-S16	3.000_1	S16	-13.3	0.906	-0.197	0.1989	
360 minute summer	PP-S145	4.000_2	S145	26.7	1.049	0.316	0.1989	
360 minute summer	PP-S4	1.000_2	S4	12.7	0.733	0.224	0.1989	
360 minute summer	PP-S1	4.000_1	S1	21.8	1.128	0.328	0.1989	

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Results for 100 year +20% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	PP-S5	224	0.744	0.244	18.4	38.5867	0.0000	SURCHARGED
360 minute summer	PP-S12	224	0.742	0.242	14.2	24.7723	0.0000	SURCHARGED
360 minute summer	PP-S14	240	0.737	0.237	44.3	127.0120	0.0000	SURCHARGED
360 minute summer	PP-S2	224	0.743	0.243	15.1	25.9484	0.0000	SURCHARGED
360 minute summer	PP-S15	224	0.742	0.242	10.9	13.5277	0.0000	SURCHARGED
360 minute summer	PP-S75	224	0.741	0.241	8.3	14.8308	0.0000	SURCHARGED
360 minute summer	PP-S24	216	0.737	0.237	20.6	31.9984	0.0000	SURCHARGED
360 minute summer	PP-S30	208	0.706	0.206	8.5	11.6528	0.0000	OK
360 minute summer	PP-S33	208	0.664	0.164	7.7	9.2361	0.0000	OK
360 minute summer	PP-S34	208	0.602	0.102	10.5	10.7157	0.0000	OK
360 minute summer	PP-S35	192	0.515	0.015	1.1	0.2651	0.0000	OK
360 minute summer	PP-S36	192	0.533	0.033	5.7	1.1604	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	PP-S5	2.000_2	S5	18.1	0.993	0.244	0.1989	
360 minute summer	PP-S12	8.000_1	S12	-11.5	0.853	-0.126	0.1989	
360 minute summer	PP-S14	11.000_1	S14	-44.1	-1.367	-0.533	0.1989	
360 minute summer	PP-S2	10.000_1	S2	12.5	0.933	0.136	0.1989	
360 minute summer	PP-S15	12.000_1	S15	15.8	0.918	0.168	0.1989	
360 minute summer	PP-S75	13.000_1	S75	8.7	0.945	0.088	0.1989	
360 minute summer	PP-S24	14.000_1	S92	20.6	1.259	0.201	0.1989	
360 minute summer	PP-S30	18.000_1	S30	-5.7	1.003	-0.051	0.1949	
360 minute summer	PP-S33	20.000_1	S33	-4.5	1.074	-0.040	0.1770	
360 minute summer	PP-S34	21.000_1	S34	14.1	1.331	0.119	0.1431	
360 minute summer	PP-S35	22.000_2	S35	1.1	0.779	0.009	0.1023	
360 minute summer	PP-S36	23.000_2	S36	5.7	1.331	0.048	0.1083	

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Results for 100 year +20% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S26	240	0.760	0.998	12.2	1.7641	0.0000	SURCHARGED
360 minute winter	S25	240	0.760	1.004	13.0	2.5560	0.0000	SURCHARGED
360 minute winter	S16	240	0.760	1.027	22.4	4.5551	0.0000	SURCHARGED
360 minute winter	S145	240	0.759	1.074	38.8	4.6229	0.0000	SURCHARGED
360 minute winter	S4	248	0.755	0.998	10.1	1.7627	0.0000	SURCHARGED
360 minute winter	S5	248	0.754	1.038	26.7	1.8350	0.0000	SURCHARGED
360 minute winter	S9	248	0.754	1.050	3.8	2.4195	0.0000	SURCHARGED
360 minute winter	S10	248	0.754	1.075	9.8	1.8998	0.0000	SURCHARGED
360 minute winter	S11	248	0.754	1.080	22.3	1.9086	0.0000	SURCHARGED
360 minute winter	S12	248	0.754	1.089	30.1	1.9243	0.0000	SURCHARGED
360 minute winter	S1	248	0.756	1.020	16.6	2.4015	0.0000	SURCHARGED
360 minute winter	S3	248	0.755	1.062	24.1	3.3970	0.0000	SURCHARGED
360 minute winter	S2	248	0.754	1.090	35.1	1.9266	0.0000	SURCHARGED
360 minute winter	S14	248	0.754	1.063	36.3	1.8790	0.0000	SURCHARGED
360 minute winter	S15	248	0.754	1.100	82.9	4.9500	0.0000	SURCHARGED
360 minute winter	S75	240	0.752	1.114	106.5	2.8352	0.0000	SURCHARGED
360 minute winter	S87	232	0.751	1.037	10.3	3.3656	0.0000	SURCHARGED
360 minute winter	S88	232	0.751	1.059	20.7	3.4545	0.0000	SURCHARGED
360 minute winter	S89	232	0.751	1.081	31.1	3.5024	0.0000	SURCHARGED
360 minute winter	S90	232	0.749	1.101	41.2	3.5066	0.0000	SURCHARGED
360 minute winter	S92	232	0.745	1.124	108.3	2.8614	0.0000	SURCHARGED
360 minute winter	S81	224	0.740	1.042	10.3	3.3638	0.0000	SURCHARGED
360 minute winter	S82	224	0.740	1.064	20.7	3.4533	0.0000	SURCHARGED
360 minute winter	S83	224	0.739	1.084	31.1	3.4978	0.0000	SURCHARGED
360 minute winter	S84	224	0.736	1.103	41.2	3.4998	0.0000	SURCHARGED
360 minute winter	S86	232	0.732	1.125	109.6	2.8643	0.0000	SURCHARGED
360 minute winter	S76	224	0.716	1.033	10.3	3.3221	0.0000	SURCHARGED
360 minute winter	S77	224	0.716	1.055	20.7	3.4112	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 winter	S26	1.000	S16	7.1	0.045	0.100	9.2005	
360 minute winter	S25	2.000	S16	7.0	0.044	0.099	7.3393	
360 minute winter	S16	1.001	S145	20.7	0.167	0.290	15.0038	
360 minute winter	S145	1.002	S75	36.9	0.233	0.522	15.0038	
360 minute winter	S4	3.000	S5	13.5	0.101	0.191	13.1095	
360 minute winter	S5	3.001	S11	21.3	0.134	0.298	13.1095	
360 minute winter	S9	4.000	S10	6.1	0.143	0.087	8.0648	
360 minute winter	S10	4.001	S11	6.7	0.157	0.088	1.3780	
360 minute winter	S11	3.002	S12	20.2	0.128	0.287	2.8740	
360 minute winter	S12	3.003	S15	22.9	0.144	0.332	3.6838	
360 minute winter	S1	5.000	S3	23.7	0.150	0.333	13.5151	
360 minute winter	S3	5.001	S2	17.0	0.189	0.240	9.1848	
360 minute winter	S2	5.002	S15	24.5	0.155	0.360	3.4165	
360 minute winter	S14	6.000	S15	-36.3	-0.229	-0.516	11.8707	
360 minute winter	S15	3.004	S75	71.5	0.451	0.999	4.9661	
360 minute winter	S75	1.003	S92	106.6	0.673	1.498	5.3380	
360 minute winter	S87	7.000	S88	10.1	0.143	0.141	6.8747	
360 minute winter	S88	7.001	S89	20.5	0.179	0.287	6.8747	
360 minute winter	S89	7.002	S90	30.9	0.207	0.433	6.8747	
360 minute winter	S90	7.003	S92	41.0	0.264	0.581	8.6413	
360 minute winter	S92	1.005	S86	106.6	0.673	1.501	4.4095	
360 minute winter	S81	8.000	S82	10.1	0.143	0.142	6.8747	
360 minute winter	S82	8.001	S83	20.5	0.176	0.294	6.8747	
360 minute winter	S83	8.002	S84	30.9	0.209	0.433	6.8747	
360 minute winter	S84	8.003	S86	41.0	0.259	0.578	8.1975	
360 minute winter	S86	1.006	S30	109.7	0.693	1.545	4.4165	
360 minute winter	S76	9.000	S77	10.1	0.144	0.142	6.8747	
360 minute winter	S77	9.001	S78	20.5	0.177	0.288	6.8747	

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Results for 100 year +20% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	224	0.715	1.076	31.1	3.4588	0.0000	SURCHARGED
360 minute winter	S79	224	0.713	1.095	41.2	3.4588	0.0000	SURCHARGED
360 minute winter	S30	224	0.709	1.116	120.1	2.8389	0.0000	SURCHARGED
360 minute winter	S31	224	0.662	0.998	11.1	3.3054	0.0000	SURCHARGED
360 minute winter	S32	224	0.662	1.041	20.8	3.2134	0.0000	SURCHARGED
360 minute winter	S33	224	0.660	1.083	127.6	2.7561	0.0000	SURCHARGED
360 minute winter	S34	224	0.595	1.034	132.1	1.8268	0.0000	SURCHARGED
360 minute winter	S35	216	0.490	0.956	132.6	1.6892	0.0000	SURCHARGED
360 minute winter	S36	216	0.455	0.897	4.4	1.5848	0.0000	SURCHARGED
360 minute winter	S37	216	0.455	0.926	147.5	4.5513	0.0000	SURCHARGED
360 minute winter	S38	216	0.241	0.757	147.5	1.3384	0.0000	SURCHARGED
360 minute winter	S39	224	0.029	0.591	147.5	1.0439	0.0000	SURCHARGED
360 minute winter	S56	224	-0.009	0.550	0.8	0.9720	0.0000	SURCHARGED
360 minute winter	S57	224	-0.009	0.556	147.5	1.4152	0.0000	SURCHARGED
360 minute winter	S125	224	-0.090	0.465	1.6	0.8221	0.0000	SURCHARGED
360 minute winter	S127	224	-0.090	0.489	147.5	1.2452	0.0000	SURCHARGED
360 minute winter	S119	376	-0.145	0.424	2.0	0.7485	0.0000	OK
360 minute winter	S60	376	-0.145	0.448	147.5	1.1390	0.0000	OK
360 minute winter	Pond Inlet 1	496	-0.165	0.445	147.4	0.7870	0.0000	OK
360 minute winter	Pond Outlet	496	-0.167	0.443	73.8	0.5016	0.0000	SURCHARGED
360 minute winter	S13	496	-0.166	0.472	0.2	1.6334	0.0000	SURCHARGED
360 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute winter	PP-S26	240	0.761	0.261	8.2	25.4597	0.0000	SURCHARGED
360 minute winter	PP-S25	240	0.760	0.260	7.4	22.1565	0.0000	SURCHARGED
360 minute winter	PP-S16	240	0.760	0.260	11.8	36.6217	0.0000	SURCHARGED
360 minute winter	PP-S145	240	0.759	0.259	11.9	38.0210	0.0000	SURCHARGED
360 minute winter	PP-S4	248	0.755	0.255	10.1	33.2094	0.0000	SURCHARGED
360 minute winter	PP-S1	248	0.757	0.257	25.1	87.5543	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 winter	S78	9.002	S79	30.9	0.210	0.444	6.8745	
360 minute winter	S79	9.003	S30	41.1	0.259	0.571	7.6907	
360 minute winter	S30	1.007	S33	119.3	0.753	1.676	5.0209	
360 minute winter	S31	10.000	S32	11.1	0.152	0.156	13.6740	
360 minute winter	S32	10.001	S33	20.7	0.192	0.289	13.6740	
360 minute winter	S33	1.008	S34	127.7	0.806	1.810	5.1108	
360 minute winter	S34	1.009	S35	132.1	0.834	1.860	8.5103	
360 minute winter	S35	1.010	S37	132.6	0.837	1.996	1.7947	
360 minute winter	S36	11.000	S37	4.4	-0.052	0.062	9.1184	
360 minute winter	S37	1.011	S38	147.5	0.931	2.088	14.3287	
360 minute winter	S38	1.012	S39	147.5	0.931	2.064	14.3287	
360 minute winter	S39	1.013	S57	147.5	0.931	2.328	1.1814	
360 minute winter	S56	12.011	S57	-0.8	-0.037	-0.012	2.0645	
360 minute winter	S57	1.014	S127	147.5	0.931	2.085	4.4483	
360 minute winter	S125	21.003	S127	-1.6	-0.138	-0.022	7.8151	
360 minute winter	S127	1.015	S60	147.5	0.931	2.070	4.3848	
360 minute winter	S119	22.003	S60	-2.0	-0.099	-0.028	7.7201	
360 minute winter	S60	1.016	Pond Inlet 1	147.4	1.054	1.946	4.6789	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	73.8	0.026	0.002	2395.8123	
360 minute winter	Pond Outlet	1.018	S13	0.2	0.207	0.003	0.4779	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	11.4	0.597	0.296	0.3977	
360 minute winter	PP-S25	2.000_1	S25	12.9	0.711	0.224	0.1989	
360 minute winter	PP-S16	3.000_1	S16	10.4	0.870	0.155	0.1989	
360 minute winter	PP-S145	4.000_2	S145	26.2	1.066	0.310	0.1989	
360 minute winter	PP-S4	1.000_2	S4	10.1	0.817	0.177	0.1989	
360 minute winter	PP-S1	4.000_1	S1	16.6	1.205	0.250	0.1989	

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Results for 100 year +20% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP-S5	248	0.755	0.255	12.4	40.7909	0.0000	SURCHARGED
360 minute winter	PP-S12	248	0.754	0.254	8.7	26.0951	0.0000	SURCHARGED
360 minute winter	PP-S14	256	0.754	0.254	36.5	138.3304	0.0000	SURCHARGED
360 minute winter	PP-S2	248	0.754	0.254	8.4	27.2817	0.0000	SURCHARGED
360 minute winter	PP-S15	248	0.754	0.254	4.7	14.2526	0.0000	SURCHARGED
360 minute winter	PP-S75	240	0.752	0.252	6.9	15.5538	0.0000	SURCHARGED
360 minute winter	PP-S24	232	0.746	0.246	10.4	33.4091	0.0000	SURCHARGED
360 minute winter	PP-S30	224	0.709	0.209	4.7	11.7825	0.0000	OK
360 minute winter	PP-S33	224	0.660	0.160	4.2	8.9767	0.0000	OK
360 minute winter	PP-S34	224	0.594	0.094	5.7	9.5832	0.0000	OK
360 minute winter	PP-S35	192	0.514	0.014	0.9	0.2274	0.0000	OK
360 minute winter	PP-S36	192	0.530	0.030	4.4	0.9142	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	PP-S5	2.000_2	S5	13.2	1.010	0.179	0.1989	
360 minute winter	PP-S12	8.000_1	S12	15.6	0.841	0.172	0.1989	
360 minute winter	PP-S14	11.000_1	S14	-36.3	1.352	-0.438	0.1989	
360 minute winter	PP-S2	10.000_1	S2	18.0	0.958	0.197	0.1989	
360 minute winter	PP-S15	12.000_1	S15	26.6	0.896	0.282	0.1989	
360 minute winter	PP-S75	13.000_1	S75	17.2	0.916	0.174	0.1989	
360 minute winter	PP-S24	14.000_1	S92	13.5	1.228	0.131	0.1989	
360 minute winter	PP-S30	18.000_1	S30	9.9	0.976	0.089	0.1955	
360 minute winter	PP-S33	20.000_1	S33	4.8	1.096	0.042	0.1749	
360 minute winter	PP-S34	21.000_1	S34	7.1	1.353	0.060	0.1387	
360 minute winter	PP-S35	22.000_2	S35	0.9	0.797	0.007	0.1019	
360 minute winter	PP-S36	23.000_2	S36	4.4	1.260	0.037	0.1044	

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Results for 100 year +20% CC 480 minute summer. 1920 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
480 minute summer	S26	288	0.713	0.951	9.3	1.6799	0.0000	SURCHARGED
480 minute summer	S25	288	0.713	0.957	8.6	2.4348	0.0000	SURCHARGED
480 minute summer	S16	288	0.713	0.980	22.1	4.3437	0.0000	SURCHARGED
480 minute summer	S145	288	0.711	1.026	42.3	4.4164	0.0000	SURCHARGED
480 minute summer	S4	288	0.705	0.948	12.4	1.6755	0.0000	SURCHARGED
480 minute summer	S5	288	0.705	0.989	34.8	1.7478	0.0000	SURCHARGED
480 minute summer	S9	288	0.705	1.001	9.6	2.3055	0.0000	SURCHARGED
480 minute summer	S10	288	0.705	1.026	3.8	1.8124	0.0000	SURCHARGED
480 minute summer	S11	288	0.705	1.031	19.0	1.8212	0.0000	SURCHARGED
480 minute summer	S12	288	0.704	1.039	25.6	1.8368	0.0000	SURCHARGED
480 minute summer	S1	288	0.707	0.971	16.9	2.2861	0.0000	SURCHARGED
480 minute summer	S3	288	0.706	1.013	24.3	3.2396	0.0000	SURCHARGED
480 minute summer	S2	288	0.705	1.041	37.6	1.8393	0.0000	SURCHARGED
480 minute summer	S14	296	0.701	1.010	32.4	1.7849	0.0000	SURCHARGED
480 minute summer	S15	288	0.704	1.050	92.0	4.7265	0.0000	SURCHARGED
480 minute summer	S75	288	0.703	1.065	104.3	2.7107	0.0000	SURCHARGED
480 minute summer	S87	280	0.705	0.991	11.0	3.2140	0.0000	SURCHARGED
480 minute summer	S88	280	0.705	1.013	22.1	3.3021	0.0000	SURCHARGED
480 minute summer	S89	280	0.704	1.034	33.1	3.3509	0.0000	SURCHARGED
480 minute summer	S90	280	0.702	1.054	43.9	3.3579	0.0000	SURCHARGED
480 minute summer	S92	280	0.699	1.078	101.1	2.7430	0.0000	SURCHARGED
480 minute summer	S81	272	0.693	0.995	11.0	3.2134	0.0000	SURCHARGED
480 minute summer	S82	272	0.693	1.017	22.1	3.3022	0.0000	SURCHARGED
480 minute summer	S83	280	0.692	1.037	33.1	3.3478	0.0000	SURCHARGED
480 minute summer	S84	280	0.690	1.057	43.9	3.3543	0.0000	SURCHARGED
480 minute summer	S86	280	0.687	1.080	107.4	2.7488	0.0000	SURCHARGED
480 minute summer	S76	272	0.672	0.989	11.0	3.1803	0.0000	SURCHARGED
480 minute summer	S77	272	0.672	1.011	22.1	3.2687	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S26	1.000	S16	8.3	0.052	0.117	9.2005	
480 minute summer	S25	2.000	S16	9.4	0.059	0.133	7.3393	
480 minute summer	S16	1.001	S145	24.9	0.157	0.350	15.0038	
480 minute summer	S145	1.002	S75	37.0	0.233	0.524	15.0038	
480 minute summer	S4	3.000	S5	10.8	0.090	0.153	13.1095	
480 minute summer	S5	3.001	S11	16.1	0.124	0.226	13.1095	
480 minute summer	S9	4.000	S10	-9.1	0.134	-0.129	8.0648	
480 minute summer	S10	4.001	S11	8.9	0.118	0.117	1.3780	
480 minute summer	S11	3.002	S12	25.0	0.158	0.354	2.8740	
480 minute summer	S12	3.003	S15	25.1	0.158	0.364	3.6838	
480 minute summer	S1	5.000	S3	22.9	0.144	0.321	13.5151	
480 minute summer	S3	5.001	S2	18.3	0.173	0.258	9.1848	
480 minute summer	S2	5.002	S15	44.6	0.282	0.655	3.4165	
480 minute summer	S14	6.000	S15	-32.4	-0.205	-0.461	11.8707	
480 minute summer	S15	3.004	S75	68.0	0.430	0.951	4.9661	
480 minute summer	S75	1.003	S92	98.1	0.619	1.379	5.3380	
480 minute summer	S87	7.000	S88	10.8	0.138	0.151	6.8747	
480 minute summer	S88	7.001	S89	21.8	0.171	0.306	6.8747	
480 minute summer	S89	7.002	S90	32.9	0.208	0.461	6.8747	
480 minute summer	S90	7.003	S92	43.7	0.276	0.620	8.6413	
480 minute summer	S92	1.005	S86	100.7	0.636	1.418	4.4095	
480 minute summer	S81	8.000	S82	10.8	0.137	0.151	6.8747	
480 minute summer	S82	8.001	S83	21.8	0.169	0.314	6.8747	
480 minute summer	S83	8.002	S84	32.9	0.208	0.461	6.8747	
480 minute summer	S84	8.003	S86	43.7	0.276	0.615	8.1975	
480 minute summer	S86	1.006	S30	107.8	0.680	1.518	4.4165	
480 minute summer	S76	9.000	S77	10.8	0.138	0.151	6.8747	
480 minute summer	S77	9.001	S78	21.8	0.171	0.306	6.8747	

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Results for 100 year +20% CC 480 minute summer. 1920 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
480 minute summer	S78	272	0.671	1.032	33.1	3.3172	0.0000	SURCHARGED
480 minute summer	S79	272	0.669	1.051	43.9	3.3199	0.0000	SURCHARGED
480 minute summer	S30	272	0.665	1.072	121.9	2.7273	0.0000	SURCHARGED
480 minute summer	S31	272	0.622	0.958	11.9	3.1726	0.0000	SURCHARGED
480 minute summer	S32	272	0.621	1.000	22.1	3.0894	0.0000	SURCHARGED
480 minute summer	S33	272	0.620	1.043	125.6	2.6539	0.0000	SURCHARGED
480 minute summer	S34	272	0.559	0.998	129.0	1.7634	0.0000	SURCHARGED
480 minute summer	S35	264	0.461	0.927	129.4	1.6376	0.0000	SURCHARGED
480 minute summer	S36	264	0.428	0.870	4.7	1.5365	0.0000	SURCHARGED
480 minute summer	S37	264	0.427	0.898	145.8	4.4169	0.0000	SURCHARGED
480 minute summer	S38	264	0.220	0.736	145.7	1.3002	0.0000	SURCHARGED
480 minute summer	S39	264	0.012	0.574	145.6	1.0146	0.0000	SURCHARGED
480 minute summer	S56	272	-0.024	0.535	0.7	0.9445	0.0000	SURCHARGED
480 minute summer	S57	272	-0.024	0.541	145.6	1.3756	0.0000	SURCHARGED
480 minute summer	S125	272	-0.102	0.453	1.4	0.8001	0.0000	SURCHARGED
480 minute summer	S127	272	-0.102	0.477	145.6	1.2135	0.0000	SURCHARGED
480 minute summer	S119	400	-0.169	0.400	1.5	0.7064	0.0000	OK
480 minute summer	S60	400	-0.169	0.424	145.5	1.0786	0.0000	OK
480 minute summer	Pond Inlet 1	616	-0.185	0.425	145.4	0.7504	0.0000	OK
480 minute summer	Pond Outlet	568	-0.186	0.424	72.9	0.4798	0.0000	SURCHARGED
480 minute summer	S13	568	-0.186	0.452	0.3	1.5666	0.0000	SURCHARGED
480 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute summer	PP-S26	288	0.713	0.213	10.3	20.1952	0.0000	OK
480 minute summer	PP-S25	288	0.713	0.213	9.2	17.6371	0.0000	OK
480 minute summer	PP-S16	288	0.713	0.213	15.1	28.4462	0.0000	OK
480 minute summer	PP-S145	288	0.711	0.211	14.5	29.4204	0.0000	OK
480 minute summer	PP-S4	288	0.705	0.205	12.4	25.4566	0.0000	OK
480 minute summer	PP-S1	288	0.708	0.208	26.8	70.1798	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	S78	9.002	S79	32.9	0.208	0.472	6.8745	
480 minute summer	S79	9.003	S30	43.7	0.276	0.607	7.6907	
480 minute summer	S30	1.007	S33	119.1	0.752	1.673	5.0209	
480 minute summer	S31	10.000	S32	11.7	0.144	0.165	13.6740	
480 minute summer	S32	10.001	S33	21.9	0.143	0.306	13.6740	
480 minute summer	S33	1.008	S34	125.8	0.794	1.783	5.1108	
480 minute summer	S34	1.009	S35	128.9	0.814	1.815	8.5103	
480 minute summer	S35	1.010	S37	129.7	0.819	1.952	1.7947	
480 minute summer	S36	11.000	S37	4.6	-0.037	0.064	9.1184	
480 minute summer	S37	1.011	S38	145.7	0.919	2.062	14.3287	
480 minute summer	S38	1.012	S39	145.6	0.919	2.038	14.3287	
480 minute summer	S39	1.013	S57	145.6	0.919	2.298	1.1814	
480 minute summer	S56	12.011	S57	-0.7	-0.081	-0.010	2.0645	
480 minute summer	S57	1.014	S127	145.6	0.919	2.058	4.4483	
480 minute summer	S125	21.003	S127	-1.4	-0.141	-0.021	7.8137	
480 minute summer	S127	1.015	S60	145.5	0.921	2.043	4.3362	
480 minute summer	S119	22.003	S60	-1.5	-0.094	-0.021	7.4878	
480 minute summer	S60	1.016	Pond Inlet 1	145.4	1.050	1.921	4.5647	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	72.9	0.021	0.001	2284.9023	
480 minute summer	Pond Outlet	1.018	S13	0.3	0.184	0.004	0.4779	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	-6.8	0.546	-0.176	0.3935	
480 minute summer	PP-S25	2.000_1	S25	6.7	0.657	0.117	0.1967	
480 minute summer	PP-S16	3.000_1	S16	10.8	0.872	0.160	0.1967	
480 minute summer	PP-S145	4.000_2	S145	-8.3	1.070	-0.098	0.1962	
480 minute summer	PP-S4	1.000_2	S4	12.4	0.751	0.218	0.1945	
480 minute summer	PP-S1	4.000_1	S1	16.4	1.022	0.247	0.1953	

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Results for 100 year +20% CC 480 minute summer. 1920 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
480 minute summer	PP-S5	288	0.706	0.206	14.8	30.9774	0.0000	OK
480 minute summer	PP-S12	288	0.705	0.205	10.5	20.5775	0.0000	OK
480 minute summer	PP-S14	304	0.701	0.201	32.6	104.2100	0.0000	OK
480 minute summer	PP-S2	288	0.705	0.205	10.3	21.6980	0.0000	OK
480 minute summer	PP-S15	288	0.704	0.204	6.4	11.2807	0.0000	OK
480 minute summer	PP-S75	288	0.703	0.203	8.6	12.3669	0.0000	OK
480 minute summer	PP-S24	280	0.699	0.199	13.9	26.0884	0.0000	OK
480 minute summer	PP-S30	272	0.665	0.165	5.9	9.1451	0.0000	OK
480 minute summer	PP-S33	272	0.620	0.120	6.1	6.4665	0.0000	OK
480 minute summer	PP-S34	264	0.556	0.056	6.2	4.1702	0.0000	OK
480 minute summer	PP-S35	256	0.514	0.014	0.9	0.2281	0.0000	OK
480 minute summer	PP-S36	248	0.530	0.030	4.8	0.9673	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	PP-S5	2.000_2	S5	24.1	1.012	0.325	0.1946	
480 minute summer	PP-S12	8.000_1	S12	12.7	0.871	0.140	0.1943	
480 minute summer	PP-S14	11.000_1	S14	-32.4	1.272	-0.391	0.1930	
480 minute summer	PP-S2	10.000_1	S2	19.3	0.961	0.211	0.1944	
480 minute summer	PP-S15	12.000_1	S15	9.4	0.939	0.100	0.1941	
480 minute summer	PP-S75	13.000_1	S75	27.6	0.914	0.280	0.1939	
480 minute summer	PP-S24	14.000_1	S92	9.0	1.227	0.088	0.1924	
480 minute summer	PP-S30	18.000_1	S30	7.2	0.976	0.065	0.1773	
480 minute summer	PP-S33	20.000_1	S33	4.9	1.096	0.043	0.1531	
480 minute summer	PP-S34	21.000_1	S34	7.9	1.358	0.066	0.1186	
480 minute summer	PP-S35	22.000_2	S35	0.9	0.818	0.007	0.1019	
480 minute summer	PP-S36	23.000_2	S36	4.7	1.267	0.039	0.0954	

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Results for 100 year +20% CC 480 minute winter. 1920 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
480 minute winter	S26	312	0.702	0.940	8.1	1.6615	0.0000	SURCHARGED
480 minute winter	S25	312	0.702	0.946	14.1	2.4083	0.0000	SURCHARGED
480 minute winter	S16	312	0.702	0.969	23.4	4.2977	0.0000	SURCHARGED
480 minute winter	S145	312	0.701	1.016	36.6	4.3741	0.0000	SURCHARGED
480 minute winter	S4	320	0.699	0.942	13.8	1.6637	0.0000	SURCHARGED
480 minute winter	S5	320	0.698	0.982	36.2	1.7361	0.0000	SURCHARGED
480 minute winter	S9	320	0.698	0.994	15.8	2.2906	0.0000	SURCHARGED
480 minute winter	S10	320	0.698	1.019	10.8	1.8009	0.0000	SURCHARGED
480 minute winter	S11	320	0.698	1.024	17.5	1.8097	0.0000	SURCHARGED
480 minute winter	S12	320	0.698	1.033	38.6	1.8254	0.0000	SURCHARGED
480 minute winter	S1	320	0.700	0.964	20.1	2.2692	0.0000	SURCHARGED
480 minute winter	S3	320	0.699	1.006	21.1	3.2174	0.0000	SURCHARGED
480 minute winter	S2	320	0.698	1.034	25.3	1.8276	0.0000	SURCHARGED
480 minute winter	S14	312	0.698	1.007	27.3	1.7799	0.0000	SURCHARGED
480 minute winter	S15	320	0.698	1.044	67.0	4.6980	0.0000	SURCHARGED
480 minute winter	S75	312	0.695	1.057	99.5	2.6905	0.0000	SURCHARGED
480 minute winter	S87	296	0.693	0.979	8.2	3.1754	0.0000	SURCHARGED
480 minute winter	S88	296	0.693	1.001	16.5	3.2631	0.0000	SURCHARGED
480 minute winter	S89	296	0.692	1.022	24.8	3.3126	0.0000	SURCHARGED
480 minute winter	S90	296	0.691	1.043	32.8	3.3206	0.0000	SURCHARGED
480 minute winter	S92	296	0.687	1.066	103.1	2.7139	0.0000	SURCHARGED
480 minute winter	S81	288	0.679	0.981	8.2	3.1686	0.0000	SURCHARGED
480 minute winter	S82	288	0.679	1.003	16.5	3.2565	0.0000	SURCHARGED
480 minute winter	S83	288	0.678	1.023	24.8	3.3030	0.0000	SURCHARGED
480 minute winter	S84	288	0.677	1.044	32.8	3.3102	0.0000	SURCHARGED
480 minute winter	S86	296	0.673	1.066	108.6	2.7130	0.0000	SURCHARGED
480 minute winter	S76	288	0.654	0.971	8.2	3.1224	0.0000	SURCHARGED
480 minute winter	S77	288	0.654	0.993	16.5	3.2095	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S26	1.000	S16	9.0	0.057	0.126	9.2005	
480 minute winter	S25	2.000	S16	8.4	0.053	0.119	7.3393	
480 minute winter	S16	1.001	S145	20.1	0.159	0.282	15.0038	
480 minute winter	S145	1.002	S75	32.9	0.207	0.466	15.0038	
480 minute winter	S4	3.000	S5	12.2	0.099	0.172	13.1095	
480 minute winter	S5	3.001	S11	15.4	0.114	0.215	13.1095	
480 minute winter	S9	4.000	S10	-15.3	0.128	-0.219	8.0648	
480 minute winter	S10	4.001	S11	8.8	0.109	0.116	1.3780	
480 minute winter	S11	3.002	S12	22.8	0.144	0.323	2.8740	
480 minute winter	S12	3.003	S15	41.8	0.264	0.607	3.6838	
480 minute winter	S1	5.000	S3	19.7	0.124	0.277	13.5151	
480 minute winter	S3	5.001	S2	25.3	0.177	0.357	9.1848	
480 minute winter	S2	5.002	S15	19.2	0.129	0.281	3.4165	
480 minute winter	S14	6.000	S15	26.2	0.165	0.372	11.8707	
480 minute winter	S15	3.004	S75	60.8	0.384	0.850	4.9661	
480 minute winter	S75	1.003	S92	88.8	0.561	1.248	5.3380	
480 minute winter	S87	7.000	S88	8.1	0.131	0.113	6.8747	
480 minute winter	S88	7.001	S89	16.4	0.170	0.229	6.8747	
480 minute winter	S89	7.002	S90	24.6	0.202	0.345	6.8747	
480 minute winter	S90	7.003	S92	32.7	0.230	0.464	8.6413	
480 minute winter	S92	1.005	S86	102.5	0.647	1.442	4.4095	
480 minute winter	S81	8.000	S82	8.1	0.129	0.113	6.8747	
480 minute winter	S82	8.001	S83	16.4	0.167	0.235	6.8747	
480 minute winter	S83	8.002	S84	24.6	0.192	0.345	6.8747	
480 minute winter	S84	8.003	S86	32.7	0.236	0.461	8.1975	
480 minute winter	S86	1.006	S30	108.8	0.687	1.533	4.4165	
480 minute winter	S76	9.000	S77	8.1	0.131	0.113	6.8747	
480 minute winter	S77	9.001	S78	16.4	0.166	0.229	6.8747	

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Results for 100 year +20% CC 480 minute winter. 1920 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
480 minute winter	S78	288	0.653	1.014	24.8	3.2591	0.0000	SURCHARGED
480 minute winter	S79	288	0.651	1.033	32.8	3.2646	0.0000	SURCHARGED
480 minute winter	S30	288	0.648	1.055	117.4	2.6846	0.0000	SURCHARGED
480 minute winter	S31	288	0.603	0.939	8.8	3.1116	0.0000	SURCHARGED
480 minute winter	S32	288	0.603	0.982	16.4	3.0318	0.0000	SURCHARGED
480 minute winter	S33	288	0.601	1.024	124.8	2.6052	0.0000	SURCHARGED
480 minute winter	S34	288	0.539	0.978	127.3	1.7273	0.0000	SURCHARGED
480 minute winter	S35	288	0.439	0.905	127.9	1.5984	0.0000	SURCHARGED
480 minute winter	S36	288	0.404	0.846	3.6	1.4953	0.0000	SURCHARGED
480 minute winter	S37	288	0.404	0.875	142.5	4.3028	0.0000	SURCHARGED
480 minute winter	S38	288	0.206	0.722	142.4	1.2759	0.0000	SURCHARGED
480 minute winter	S39	288	0.008	0.570	142.3	1.0079	0.0000	SURCHARGED
480 minute winter	S56	288	-0.027	0.532	0.9	0.9406	0.0000	SURCHARGED
480 minute winter	S57	288	-0.027	0.538	142.3	1.3699	0.0000	SURCHARGED
480 minute winter	S125	424	-0.084	0.471	2.2	0.8329	0.0000	SURCHARGED
480 minute winter	S127	424	-0.083	0.496	142.3	1.2612	0.0000	SURCHARGED
480 minute winter	S119	424	-0.130	0.439	1.5	0.7759	0.0000	OK
480 minute winter	S60	424	-0.130	0.463	142.3	1.1786	0.0000	SURCHARGED
480 minute winter	Pond Inlet 1	560	-0.138	0.472	142.2	0.8340	0.0000	OK
480 minute winter	Pond Outlet	1888	-0.142	0.468	71.2	0.5294	0.0000	SURCHARGED
480 minute winter	S13	1848	-0.142	0.496	0.4	1.7187	0.0000	SURCHARGED
480 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute winter	PP-S26	312	0.702	0.202	5.2	19.0365	0.0000	OK
480 minute winter	PP-S25	312	0.702	0.202	5.0	16.6468	0.0000	OK
480 minute winter	PP-S16	312	0.702	0.202	7.2	26.6581	0.0000	OK
480 minute winter	PP-S145	312	0.701	0.201	7.4	27.6386	0.0000	OK
480 minute winter	PP-S4	320	0.699	0.199	6.4	24.3909	0.0000	OK
480 minute winter	PP-S1	320	0.700	0.200	17.3	67.5118	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S78	9.002	S79	24.6	0.182	0.354	6.8745	
480 minute winter	S79	9.003	S30	32.7	0.231	0.455	7.6907	
480 minute winter	S30	1.007	S33	118.1	0.745	1.659	5.0209	
480 minute winter	S31	10.000	S32	8.7	0.144	0.123	13.6740	
480 minute winter	S32	10.001	S33	16.3	0.172	0.228	13.6740	
480 minute winter	S33	1.008	S34	124.8	0.788	1.769	5.1108	
480 minute winter	S34	1.009	S35	127.3	0.804	1.793	8.5103	
480 minute winter	S35	1.010	S37	127.9	0.807	1.925	1.7947	
480 minute winter	S36	11.000	S37	3.5	-0.048	0.049	9.1184	
480 minute winter	S37	1.011	S38	142.4	0.899	2.015	14.3287	
480 minute winter	S38	1.012	S39	142.3	0.898	1.992	14.3287	
480 minute winter	S39	1.013	S57	142.3	0.898	2.246	1.1814	
480 minute winter	S56	12.011	S57	-0.9	-0.185	-0.014	2.0645	
480 minute winter	S57	1.014	S127	142.3	0.898	2.012	4.4483	
480 minute winter	S125	21.003	S127	-2.2	-0.161	-0.032	7.8151	
480 minute winter	S127	1.015	S60	142.3	0.901	1.997	4.3871	
480 minute winter	S119	22.003	S60	-1.5	-0.133	-0.022	7.7903	
480 minute winter	S60	1.016	Pond Inlet 1	142.2	1.031	1.878	4.7268	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	71.2	0.023	0.001	2539.4026	
480 minute winter	Pond Outlet	1.018	S13	0.4	0.191	0.005	0.4779	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	8.1	0.499	0.212	0.3871	
480 minute winter	PP-S25	2.000_1	S25	9.5	0.635	0.164	0.1935	
480 minute winter	PP-S16	3.000_1	S16	14.7	0.844	0.218	0.1936	
480 minute winter	PP-S145	4.000_2	S145	24.6	1.028	0.291	0.1931	
480 minute winter	PP-S4	1.000_2	S4	9.2	0.726	0.162	0.1922	
480 minute winter	PP-S1	4.000_1	S1	19.5	1.052	0.294	0.1928	

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Results for 100 year +20% CC 480 minute winter. 1920 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
480 minute winter	PP-S5	320	0.699	0.199	9.3	29.6191	0.0000	OK
480 minute winter	PP-S12	320	0.698	0.198	6.8	19.8574	0.0000	OK
480 minute winter	PP-S14	320	0.699	0.199	25.0	102.6622	0.0000	OK
480 minute winter	PP-S2	320	0.698	0.198	7.7	20.9515	0.0000	OK
480 minute winter	PP-S15	320	0.698	0.198	5.8	10.9033	0.0000	OK
480 minute winter	PP-S75	312	0.695	0.195	5.3	11.8336	0.0000	OK
480 minute winter	PP-S24	296	0.688	0.188	6.8	24.2884	0.0000	OK
480 minute winter	PP-S30	288	0.648	0.148	2.6	8.1378	0.0000	OK
480 minute winter	PP-S33	288	0.601	0.101	2.4	5.3166	0.0000	OK
480 minute winter	PP-S34	280	0.534	0.034	4.6	1.5717	0.0000	OK
480 minute winter	PP-S35	264	0.512	0.012	0.7	0.1858	0.0000	OK
480 minute winter	PP-S36	248	0.527	0.027	3.6	0.7518	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP-S5	2.000_2	S5	24.0	0.980	0.324	0.1923	
480 minute winter	PP-S12	8.000_1	S12	19.2	0.818	0.211	0.1920	
480 minute winter	PP-S14	11.000_1	S14	27.3	1.303	0.330	0.1922	
480 minute winter	PP-S2	10.000_1	S2	8.1	0.907	0.089	0.1921	
480 minute winter	PP-S15	12.000_1	S15	7.4	0.879	0.078	0.1919	
480 minute winter	PP-S75	13.000_1	S75	19.0	0.900	0.192	0.1909	
480 minute winter	PP-S24	14.000_1	S92	20.6	1.202	0.201	0.1879	
480 minute winter	PP-S30	18.000_1	S30	11.2	0.957	0.100	0.1686	
480 minute winter	PP-S33	20.000_1	S33	4.1	1.026	0.036	0.1427	
480 minute winter	PP-S34	21.000_1	S34	5.5	1.307	0.046	0.1089	
480 minute winter	PP-S35	22.000_2	S35	0.7	0.782	0.006	0.1008	
480 minute winter	PP-S36	23.000_2	S36	3.6	1.220	0.030	0.0828	

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Results for 100 year +20% CC 600 minute summer. 2040 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	S26	345	0.674	0.912	11.7	1.6116	0.0000	SURCHARGED
600 minute summer	S25	345	0.674	0.918	4.9	2.3363	0.0000	SURCHARGED
600 minute summer	S16	345	0.674	0.941	20.3	4.1721	0.0000	SURCHARGED
600 minute summer	S145	345	0.672	0.987	31.3	4.2519	0.0000	SURCHARGED
600 minute summer	S4	345	0.669	0.912	7.5	1.6111	0.0000	SURCHARGED
600 minute summer	S5	345	0.669	0.953	10.1	1.6831	0.0000	SURCHARGED
600 minute summer	S9	345	0.668	0.964	3.3	2.2209	0.0000	SURCHARGED
600 minute summer	S10	345	0.668	0.989	10.3	1.7474	0.0000	SURCHARGED
600 minute summer	S11	345	0.668	0.994	20.9	1.7562	0.0000	SURCHARGED
600 minute summer	S12	345	0.668	1.003	25.8	1.7717	0.0000	SURCHARGED
600 minute summer	S1	345	0.669	0.933	17.9	2.1982	0.0000	SURCHARGED
600 minute summer	S3	345	0.669	0.976	21.5	3.1211	0.0000	SURCHARGED
600 minute summer	S2	345	0.668	1.004	25.2	1.7740	0.0000	SURCHARGED
600 minute summer	S14	360	0.666	0.975	26.7	1.7223	0.0000	SURCHARGED
600 minute summer	S15	345	0.667	1.013	67.5	4.5611	0.0000	SURCHARGED
600 minute summer	S75	345	0.667	1.029	94.9	2.6182	0.0000	SURCHARGED
600 minute summer	S87	345	0.667	0.953	8.9	3.0920	0.0000	SURCHARGED
600 minute summer	S88	345	0.667	0.975	17.9	3.1795	0.0000	SURCHARGED
600 minute summer	S89	345	0.666	0.996	26.8	3.2294	0.0000	SURCHARGED
600 minute summer	S90	345	0.665	1.017	35.6	3.2391	0.0000	SURCHARGED
600 minute summer	S92	345	0.662	1.041	97.2	2.6489	0.0000	SURCHARGED
600 minute summer	S81	330	0.654	0.956	8.9	3.0882	0.0000	SURCHARGED
600 minute summer	S82	330	0.654	0.978	17.9	3.1762	0.0000	SURCHARGED
600 minute summer	S83	330	0.653	0.998	26.8	3.2221	0.0000	SURCHARGED
600 minute summer	S84	345	0.651	1.018	35.6	3.2303	0.0000	SURCHARGED
600 minute summer	S86	345	0.648	1.041	104.9	2.6502	0.0000	SURCHARGED
600 minute summer	S76	330	0.634	0.951	8.9	3.0574	0.0000	SURCHARGED
600 minute summer	S77	330	0.634	0.973	17.9	3.1449	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S26	1.000	S16	5.9	0.047	0.084	9.2005	
600 minute summer	S25	2.000	S16	15.7	0.099	0.222	7.3393	
600 minute summer	S16	1.001	S145	16.5	0.148	0.232	15.0038	
600 minute summer	S145	1.002	S75	27.7	0.216	0.392	15.0038	
600 minute summer	S4	3.000	S5	4.4	0.092	0.063	13.1095	
600 minute summer	S5	3.001	S11	18.1	0.121	0.254	13.1095	
600 minute summer	S9	4.000	S10	10.3	0.126	0.146	8.0648	
600 minute summer	S10	4.001	S11	-7.5	0.108	-0.099	1.3780	
600 minute summer	S11	3.002	S12	14.7	0.093	0.208	2.8740	
600 minute summer	S12	3.003	S15	22.5	0.142	0.327	3.6838	
600 minute summer	S1	5.000	S3	20.0	0.126	0.282	13.5151	
600 minute summer	S3	5.001	S2	15.3	0.156	0.216	9.1848	
600 minute summer	S2	5.002	S15	21.3	0.134	0.312	3.4165	
600 minute summer	S14	6.000	S15	25.9	0.163	0.368	11.8707	
600 minute summer	S15	3.004	S75	62.0	0.391	0.865	4.9661	
600 minute summer	S75	1.003	S92	89.5	0.565	1.258	5.3380	
600 minute summer	S87	7.000	S88	8.8	0.120	0.123	6.8747	
600 minute summer	S88	7.001	S89	17.7	0.162	0.248	6.8747	
600 minute summer	S89	7.002	S90	26.7	0.186	0.374	6.8747	
600 minute summer	S90	7.003	S92	35.4	0.224	0.502	8.6413	
600 minute summer	S92	1.005	S86	97.0	0.612	1.365	4.4095	
600 minute summer	S81	8.000	S82	8.8	0.118	0.123	6.8747	
600 minute summer	S82	8.001	S83	17.7	0.159	0.254	6.8747	
600 minute summer	S83	8.002	S84	26.7	0.183	0.374	6.8747	
600 minute summer	S84	8.003	S86	35.4	0.224	0.499	8.1975	
600 minute summer	S86	1.006	S30	105.0	0.663	1.479	4.4165	
600 minute summer	S76	9.000	S77	8.8	0.120	0.123	6.8747	
600 minute summer	S77	9.001	S78	17.7	0.160	0.248	6.8747	

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Results for 100 year +20% CC 600 minute summer. 2040 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	S78	330	0.633	0.994	26.8	3.1939	0.0000	SURCHARGED
600 minute summer	S79	330	0.630	1.012	35.6	3.1980	0.0000	SURCHARGED
600 minute summer	S30	330	0.626	1.033	116.0	2.6282	0.0000	SURCHARGED
600 minute summer	S31	330	0.584	0.920	9.6	3.0458	0.0000	SURCHARGED
600 minute summer	S32	330	0.583	0.962	18.0	2.9712	0.0000	SURCHARGED
600 minute summer	S33	330	0.581	1.004	123.6	2.5561	0.0000	SURCHARGED
600 minute summer	S34	330	0.521	0.960	126.3	1.6965	0.0000	SURCHARGED
600 minute summer	S35	330	0.424	0.890	126.9	1.5727	0.0000	SURCHARGED
600 minute summer	S36	330	0.391	0.833	3.9	1.4715	0.0000	SURCHARGED
600 minute summer	S37	330	0.391	0.862	142.0	4.2363	0.0000	SURCHARGED
600 minute summer	S38	330	0.194	0.710	141.8	1.2549	0.0000	SURCHARGED
600 minute summer	S39	330	-0.002	0.560	141.8	0.9887	0.0000	SURCHARGED
600 minute summer	S56	330	-0.037	0.522	0.7	0.9218	0.0000	SURCHARGED
600 minute summer	S57	330	-0.037	0.528	141.7	1.3429	0.0000	SURCHARGED
600 minute summer	S125	330	-0.111	0.444	1.6	0.7844	0.0000	OK
600 minute summer	S127	330	-0.111	0.468	141.7	1.1909	0.0000	SURCHARGED
600 minute summer	S119	450	-0.168	0.401	1.4	0.7077	0.0000	OK
600 minute summer	S60	450	-0.169	0.424	141.6	1.0803	0.0000	OK
600 minute summer	Pond Inlet 1	705	-0.168	0.442	141.5	0.7803	0.0000	OK
600 minute summer	Pond Outlet	660	-0.170	0.440	70.9	0.4982	0.0000	SURCHARGED
600 minute summer	S13	660	-0.169	0.469	0.2	1.6230	0.0000	SURCHARGED
600 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute summer	PP-S26	345	0.674	0.174	7.3	15.9089	0.0000	OK
600 minute summer	PP-S25	345	0.674	0.174	7.1	13.9614	0.0000	OK
600 minute summer	PP-S16	345	0.674	0.174	8.8	21.7830	0.0000	OK
600 minute summer	PP-S145	345	0.673	0.173	8.8	22.5245	0.0000	OK
600 minute summer	PP-S4	345	0.669	0.169	7.9	19.7070	0.0000	OK
600 minute summer	PP-S1	345	0.670	0.170	21.0	56.6868	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	S78	9.002	S79	26.7	0.184	0.383	6.8745	
600 minute summer	S79	9.003	S30	35.4	0.224	0.493	7.6907	
600 minute summer	S30	1.007	S33	116.0	0.732	1.629	5.0209	
600 minute summer	S31	10.000	S32	9.6	0.129	0.136	13.6740	
600 minute summer	S32	10.001	S33	18.0	0.172	0.252	13.6740	
600 minute summer	S33	1.008	S34	123.6	0.780	1.753	5.1108	
600 minute summer	S34	1.009	S35	126.4	0.798	1.780	8.5103	
600 minute summer	S35	1.010	S37	126.9	0.801	1.910	1.7947	
600 minute summer	S36	11.000	S37	3.8	0.032	0.054	9.1184	
600 minute summer	S37	1.011	S38	141.8	0.895	2.007	14.3287	
600 minute summer	S38	1.012	S39	141.8	0.895	1.984	14.3287	
600 minute summer	S39	1.013	S57	141.7	0.895	2.237	1.1814	
600 minute summer	S56	12.011	S57	-0.7	-0.041	-0.010	2.0645	
600 minute summer	S57	1.014	S127	141.7	0.894	2.003	4.4483	
600 minute summer	S125	21.003	S127	-1.6	-0.028	-0.022	7.8049	
600 minute summer	S127	1.015	S60	141.6	0.902	1.988	4.3387	
600 minute summer	S119	22.003	S60	-1.4	-0.025	-0.019	7.4965	
600 minute summer	S60	1.016	Pond Inlet 1	141.5	1.029	1.869	4.6631	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	70.9	0.020	0.001	2378.6453	
600 minute summer	Pond Outlet	1.018	S13	0.2	0.128	0.002	0.4779	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	11.7	0.514	0.305	0.3638	
600 minute summer	PP-S25	2.000_1	S25	-4.7	0.650	-0.082	0.1818	
600 minute summer	PP-S16	3.000_1	S16	13.0	0.864	0.193	0.1818	
600 minute summer	PP-S145	4.000_2	S145	12.6	1.054	0.150	0.1811	
600 minute summer	PP-S4	1.000_2	S4	7.0	0.743	0.123	0.1794	
600 minute summer	PP-S1	4.000_1	S1	17.3	0.988	0.261	0.1797	

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Results for 100 year +20% CC 600 minute summer. 2040 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	PP-S5	345	0.669	0.169	9.5	23.6333	0.0000	OK
600 minute summer	PP-S12	345	0.668	0.168	8.5	16.4755	0.0000	OK
600 minute summer	PP-S14	375	0.663	0.163	24.2	79.7562	0.0000	OK
600 minute summer	PP-S2	345	0.668	0.168	9.4	17.5215	0.0000	OK
600 minute summer	PP-S15	345	0.667	0.167	3.6	9.0827	0.0000	OK
600 minute summer	PP-S75	345	0.667	0.167	4.2	9.9760	0.0000	OK
600 minute summer	PP-S24	345	0.662	0.162	9.3	20.2533	0.0000	OK
600 minute summer	PP-S30	330	0.626	0.126	3.0	6.8059	0.0000	OK
600 minute summer	PP-S33	330	0.581	0.081	3.4	4.0679	0.0000	OK
600 minute summer	PP-S34	315	0.531	0.031	5.0	1.3441	0.0000	OK
600 minute summer	PP-S35	315	0.513	0.013	0.8	0.2074	0.0000	OK
600 minute summer	PP-S36	315	0.528	0.028	3.9	0.8175	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	PP-S5	2.000_2	S5	-8.1	1.000	-0.109	0.1792	
600 minute summer	PP-S12	8.000_1	S12	22.3	0.863	0.245	0.1788	
600 minute summer	PP-S14	11.000_1	S14	26.7	1.154	0.322	0.1762	
600 minute summer	PP-S2	10.000_1	S2	10.3	0.951	0.113	0.1789	
600 minute summer	PP-S15	12.000_1	S15	19.1	0.882	0.203	0.1786	
600 minute summer	PP-S75	13.000_1	S75	28.1	0.888	0.284	0.1783	
600 minute summer	PP-S24	14.000_1	S92	10.4	1.183	0.101	0.1759	
600 minute summer	PP-S30	18.000_1	S30	4.3	0.938	0.038	0.1564	
600 minute summer	PP-S33	20.000_1	S33	3.1	1.083	0.027	0.1316	
600 minute summer	PP-S34	21.000_1	S34	5.0	1.337	0.042	0.1078	
600 minute summer	PP-S35	22.000_2	S35	0.8	0.789	0.006	0.0973	
600 minute summer	PP-S36	23.000_2	S36	3.9	1.252	0.033	0.0764	

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Results for 100 year +20% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S26	375	0.651	0.889	2.9	1.5704	0.0000	SURCHARGED
600 minute winter	S25	375	0.651	0.895	6.1	2.2771	0.0000	SURCHARGED
600 minute winter	S16	375	0.651	0.918	31.8	4.0692	0.0000	SURCHARGED
600 minute winter	S145	375	0.649	0.964	45.3	4.1527	0.0000	SURCHARGED
600 minute winter	S4	405	0.658	0.901	15.0	1.5921	0.0000	SURCHARGED
600 minute winter	S5	405	0.649	0.933	24.8	1.6481	0.0000	SURCHARGED
600 minute winter	S9	375	0.647	0.943	18.7	2.1732	0.0000	SURCHARGED
600 minute winter	S10	375	0.647	0.968	2.8	1.7109	0.0000	SURCHARGED
600 minute winter	S11	375	0.647	0.973	13.6	1.7197	0.0000	SURCHARGED
600 minute winter	S12	375	0.647	0.982	20.7	1.7353	0.0000	SURCHARGED
600 minute winter	S1	405	0.660	0.924	26.0	2.1758	0.0000	SURCHARGED
600 minute winter	S3	390	0.649	0.956	19.0	3.0563	0.0000	SURCHARGED
600 minute winter	S2	375	0.647	0.983	33.7	1.7375	0.0000	SURCHARGED
600 minute winter	S14	435	0.667	0.976	22.8	1.7239	0.0000	SURCHARGED
600 minute winter	S15	375	0.647	0.993	72.3	4.4687	0.0000	SURCHARGED
600 minute winter	S75	375	0.644	1.006	86.4	2.5612	0.0000	SURCHARGED
600 minute winter	S87	360	0.641	0.927	6.8	3.0072	0.0000	SURCHARGED
600 minute winter	S88	360	0.641	0.949	13.8	3.0943	0.0000	SURCHARGED
600 minute winter	S89	360	0.640	0.970	20.7	3.1447	0.0000	SURCHARGED
600 minute winter	S90	360	0.639	0.991	27.4	3.1562	0.0000	SURCHARGED
600 minute winter	S92	360	0.636	1.015	95.4	2.5835	0.0000	SURCHARGED
600 minute winter	S81	360	0.626	0.928	6.8	2.9958	0.0000	SURCHARGED
600 minute winter	S82	360	0.626	0.950	13.7	3.0836	0.0000	SURCHARGED
600 minute winter	S83	360	0.625	0.970	20.7	3.1314	0.0000	SURCHARGED
600 minute winter	S84	360	0.624	0.991	27.4	3.1426	0.0000	SURCHARGED
600 minute winter	S86	360	0.621	1.014	102.7	2.5806	0.0000	SURCHARGED
600 minute winter	S76	345	0.600	0.917	6.8	2.9484	0.0000	SURCHARGED
600 minute winter	S77	345	0.600	0.939	13.7	3.0355	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S26	1.000	S16	10.3	0.065	0.146	9.2005	
600 minute winter	S25	2.000	S16	11.2	0.071	0.159	7.3393	
600 minute winter	S16	1.001	S145	23.9	0.155	0.335	15.0038	
600 minute winter	S145	1.002	S75	24.0	0.197	0.340	15.0038	
600 minute winter	S4	3.000	S5	6.5	0.090	0.092	13.1095	
600 minute winter	S5	3.001	S11	10.6	0.102	0.148	13.1095	
600 minute winter	S9	4.000	S10	-18.0	0.118	-0.256	8.0648	
600 minute winter	S10	4.001	S11	3.0	0.091	0.040	1.3780	
600 minute winter	S11	3.002	S12	20.7	0.131	0.294	2.8740	
600 minute winter	S12	3.003	S15	28.3	0.179	0.412	3.6838	
600 minute winter	S1	5.000	S3	16.8	0.106	0.236	13.5151	
600 minute winter	S3	5.001	S2	17.7	0.141	0.250	9.1848	
600 minute winter	S2	5.002	S15	34.8	0.219	0.510	3.4165	
600 minute winter	S14	6.000	S15	-16.3	-0.103	-0.231	11.8707	
600 minute winter	S15	3.004	S75	62.4	0.394	0.871	4.9661	
600 minute winter	S75	1.003	S92	80.7	0.509	1.134	5.3380	
600 minute winter	S87	7.000	S88	6.8	0.122	0.095	6.8747	
600 minute winter	S88	7.001	S89	13.7	0.160	0.192	6.8747	
600 minute winter	S89	7.002	S90	20.6	0.167	0.289	6.8747	
600 minute winter	S90	7.003	S92	27.3	0.199	0.388	8.6413	
600 minute winter	S92	1.005	S86	94.5	0.596	1.330	4.4095	
600 minute winter	S81	8.000	S82	6.7	0.121	0.094	6.8747	
600 minute winter	S82	8.001	S83	13.7	0.158	0.197	6.8747	
600 minute winter	S83	8.002	S84	20.6	0.157	0.288	6.8747	
600 minute winter	S84	8.003	S86	27.3	0.215	0.384	8.1975	
600 minute winter	S86	1.006	S30	103.2	0.651	1.454	4.4165	
600 minute winter	S76	9.000	S77	6.7	0.123	0.094	6.8747	
600 minute winter	S77	9.001	S78	13.6	0.158	0.191	6.8747	

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Results for 100 year +20% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S78	345	0.599	0.960	20.6	3.0861	0.0000	SURCHARGED
600 minute winter	S79	345	0.598	0.980	27.4	3.0944	0.0000	SURCHARGED
600 minute winter	S30	345	0.594	1.001	113.4	2.5483	0.0000	SURCHARGED
600 minute winter	S31	345	0.549	0.885	7.3	2.9320	0.0000	SURCHARGED
600 minute winter	S32	345	0.549	0.928	13.7	2.8654	0.0000	SURCHARGED
600 minute winter	S33	345	0.548	0.971	121.1	2.4703	0.0000	SURCHARGED
600 minute winter	S34	345	0.488	0.927	124.0	1.6373	0.0000	SURCHARGED
600 minute winter	S35	345	0.392	0.858	124.5	1.5164	0.0000	SURCHARGED
600 minute winter	S36	345	0.360	0.802	3.0	1.4164	0.0000	SURCHARGED
600 minute winter	S37	345	0.360	0.831	137.8	4.0831	0.0000	SURCHARGED
600 minute winter	S38	345	0.174	0.690	137.7	1.2199	0.0000	SURCHARGED
600 minute winter	S39	390	-0.007	0.555	137.7	0.9803	0.0000	SURCHARGED
600 minute winter	S56	465	-0.036	0.523	0.4	0.9236	0.0000	SURCHARGED
600 minute winter	S57	465	-0.036	0.529	137.7	1.3459	0.0000	SURCHARGED
600 minute winter	S125	465	-0.086	0.469	1.0	0.8294	0.0000	SURCHARGED
600 minute winter	S127	465	-0.086	0.493	137.7	1.2551	0.0000	SURCHARGED
600 minute winter	S119	720	-0.122	0.447	1.5	0.7907	0.0000	OK
600 minute winter	S60	720	-0.122	0.471	137.6	1.1995	0.0000	SURCHARGED
600 minute winter	Pond Inlet 1	645	-0.117	0.493	137.5	0.8705	0.0000	OK
600 minute winter	Pond Outlet	2040	-0.123	0.487	68.8	0.5507	0.0000	SURCHARGED
600 minute winter	S13	1980	-0.123	0.515	0.2	1.7839	0.0000	SURCHARGED
600 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute winter	PP-S26	375	0.651	0.151	3.8	13.3317	0.0000	OK
600 minute winter	PP-S25	375	0.651	0.151	4.2	11.7546	0.0000	OK
600 minute winter	PP-S16	375	0.651	0.151	4.7	17.7875	0.0000	OK
600 minute winter	PP-S145	375	0.649	0.149	4.4	18.3755	0.0000	OK
600 minute winter	PP-S4	375	0.648	0.148	4.3	16.3565	0.0000	OK
600 minute winter	PP-S1	375	0.649	0.149	13.2	49.2123	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S78	9.002	S79	20.6	0.160	0.295	6.8745	
600 minute winter	S79	9.003	S30	27.3	0.211	0.380	7.6907	
600 minute winter	S30	1.007	S33	112.3	0.709	1.577	5.0209	
600 minute winter	S31	10.000	S32	7.3	0.123	0.103	13.6740	
600 minute winter	S32	10.001	S33	13.6	0.152	0.191	13.6740	
600 minute winter	S33	1.008	S34	121.1	0.765	1.717	5.1108	
600 minute winter	S34	1.009	S35	124.0	0.783	1.746	8.5103	
600 minute winter	S35	1.010	S37	124.5	0.786	1.874	1.7947	
600 minute winter	S36	11.000	S37	3.0	0.036	0.042	9.1184	
600 minute winter	S37	1.011	S38	137.7	0.869	1.949	14.3287	
600 minute winter	S38	1.012	S39	137.7	0.869	1.927	14.3287	
600 minute winter	S39	1.013	S57	137.7	0.869	2.173	1.1814	
600 minute winter	S56	12.011	S57	-0.4	-0.139	-0.006	2.0645	
600 minute winter	S57	1.014	S127	137.7	0.869	1.946	4.4483	
600 minute winter	S125	21.003	S127	-1.0	-0.031	-0.015	7.8151	
600 minute winter	S127	1.015	S60	137.6	0.877	1.932	4.3871	
600 minute winter	S119	22.003	S60	-1.5	-0.108	-0.021	7.8108	
600 minute winter	S60	1.016	Pond Inlet 1	137.5	1.009	1.815	4.7280	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	68.8	0.022	0.001	2650.0120	
600 minute winter	Pond Outlet	1.018	S13	0.2	0.176	0.003	0.4779	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	2.9	0.494	0.074	0.3319	
600 minute winter	PP-S25	2.000_1	S25	5.9	0.623	0.103	0.1677	
600 minute winter	PP-S16	3.000_1	S16	8.2	0.827	0.122	0.1701	
600 minute winter	PP-S145	4.000_2	S145	18.1	0.976	0.214	0.1694	
600 minute winter	PP-S4	1.000_2	S4	15.0	0.712	0.263	0.1653	
600 minute winter	PP-S1	4.000_1	S1	24.9	1.044	0.375	0.1690	

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Results for 100 year +20% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP-S5	375	0.647	0.147	6.9	19.4030	0.0000	OK
600 minute winter	PP-S12	375	0.647	0.147	9.5	14.1751	0.0000	OK
600 minute winter	PP-S14	375	0.647	0.147	16.4	69.6843	0.0000	OK
600 minute winter	PP-S2	375	0.647	0.147	4.8	15.1926	0.0000	OK
600 minute winter	PP-S15	375	0.647	0.147	9.2	7.8650	0.0000	OK
600 minute winter	PP-S75	375	0.644	0.144	5.3	8.5088	0.0000	OK
600 minute winter	PP-S24	360	0.636	0.136	4.5	16.1773	0.0000	OK
600 minute winter	PP-S30	345	0.594	0.094	1.8	4.9182	0.0000	OK
600 minute winter	PP-S33	345	0.547	0.047	2.0	1.9645	0.0000	OK
600 minute winter	PP-S34	315	0.528	0.028	3.8	1.0419	0.0000	OK
600 minute winter	PP-S35	330	0.511	0.011	0.6	0.1630	0.0000	OK
600 minute winter	PP-S36	315	0.525	0.025	3.0	0.6440	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP-S5	2.000_2	S5	16.1	0.958	0.217	0.1683	
600 minute winter	PP-S12	8.000_1	S12	-9.1	0.852	-0.100	0.1681	
600 minute winter	PP-S14	11.000_1	S14	22.8	1.258	0.275	0.1680	
600 minute winter	PP-S2	10.000_1	S2	21.9	0.983	0.240	0.1683	
600 minute winter	PP-S15	12.000_1	S15	-8.7	0.863	-0.092	0.1681	
600 minute winter	PP-S75	13.000_1	S75	8.7	0.870	0.088	0.1667	
600 minute winter	PP-S24	14.000_1	S92	16.6	1.169	0.162	0.1622	
600 minute winter	PP-S30	18.000_1	S30	2.0	0.923	0.018	0.1388	
600 minute winter	PP-S33	20.000_1	S33	2.1	0.986	0.018	0.1146	
600 minute winter	PP-S34	21.000_1	S34	3.8	1.236	0.032	0.1063	
600 minute winter	PP-S35	22.000_2	S35	0.6	0.759	0.005	0.0842	
600 minute winter	PP-S36	23.000_2	S36	3.0	1.195	0.025	0.0584	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S26	405	0.642	0.880	20.9	1.5552	0.0000	SURCHARGED
720 minute summer	S25	405	0.642	0.886	24.0	2.2551	0.0000	SURCHARGED
720 minute summer	S16	405	0.642	0.909	18.9	4.0308	0.0000	SURCHARGED
720 minute summer	S145	405	0.641	0.956	41.1	4.1152	0.0000	SURCHARGED
720 minute summer	S4	405	0.638	0.881	5.9	1.5559	0.0000	SURCHARGED
720 minute summer	S5	405	0.637	0.921	33.4	1.6278	0.0000	SURCHARGED
720 minute summer	S9	405	0.637	0.933	8.9	2.1489	0.0000	SURCHARGED
720 minute summer	S10	405	0.637	0.958	14.8	1.6922	0.0000	SURCHARGED
720 minute summer	S11	405	0.637	0.963	18.9	1.7011	0.0000	SURCHARGED
720 minute summer	S12	405	0.636	0.971	25.2	1.7166	0.0000	SURCHARGED
720 minute summer	S1	420	0.638	0.902	14.5	2.1246	0.0000	SURCHARGED
720 minute summer	S3	450	0.638	0.945	23.9	3.0216	0.0000	SURCHARGED
720 minute summer	S2	405	0.637	0.973	22.3	1.7188	0.0000	SURCHARGED
720 minute summer	S14	420	0.635	0.944	18.4	1.6688	0.0000	SURCHARGED
720 minute summer	S15	405	0.636	0.982	65.7	4.4208	0.0000	SURCHARGED
720 minute summer	S75	405	0.635	0.997	88.5	2.5383	0.0000	SURCHARGED
720 minute summer	S87	405	0.634	0.920	7.8	2.9857	0.0000	SURCHARGED
720 minute summer	S88	405	0.634	0.942	15.7	3.0727	0.0000	SURCHARGED
720 minute summer	S89	405	0.634	0.964	23.6	3.1234	0.0000	SURCHARGED
720 minute summer	S90	405	0.632	0.984	31.3	3.1353	0.0000	SURCHARGED
720 minute summer	S92	405	0.630	1.009	94.4	2.5668	0.0000	SURCHARGED
720 minute summer	S81	390	0.621	0.923	7.8	2.9805	0.0000	SURCHARGED
720 minute summer	S82	390	0.621	0.945	15.7	3.0679	0.0000	SURCHARGED
720 minute summer	S83	390	0.620	0.965	23.6	3.1151	0.0000	SURCHARGED
720 minute summer	S84	390	0.618	0.985	31.3	3.1247	0.0000	SURCHARGED
720 minute summer	S86	405	0.615	1.008	102.7	2.5661	0.0000	SURCHARGED
720 minute summer	S76	390	0.599	0.916	7.8	2.9451	0.0000	SURCHARGED
720 minute summer	S77	390	0.599	0.938	15.7	3.0321	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S26	1.000	S16	-10.2	-0.065	-0.145	9.2005	
720 minute summer	S25	2.000	S16	-11.5	-0.073	-0.163	7.3393	
720 minute summer	S16	1.001	S145	19.4	0.142	0.272	15.0038	
720 minute summer	S145	1.002	S75	32.1	0.205	0.455	15.0038	
720 minute summer	S4	3.000	S5	14.0	0.088	0.198	13.1095	
720 minute summer	S5	3.001	S11	17.3	0.109	0.243	13.1095	
720 minute summer	S9	4.000	S10	14.8	0.124	0.211	8.0648	
720 minute summer	S10	4.001	S11	5.8	0.106	0.077	1.3780	
720 minute summer	S11	3.002	S12	19.2	0.121	0.273	2.8740	
720 minute summer	S12	3.003	S15	33.1	0.209	0.481	3.6838	
720 minute summer	S1	5.000	S3	22.0	0.139	0.310	13.5151	
720 minute summer	S3	5.001	S2	14.0	0.156	0.198	9.1848	
720 minute summer	S2	5.002	S15	29.1	0.184	0.427	3.4165	
720 minute summer	S14	6.000	S15	-18.4	-0.116	-0.261	11.8707	
720 minute summer	S15	3.004	S75	56.3	0.356	0.787	4.9661	
720 minute summer	S75	1.003	S92	85.0	0.537	1.195	5.3380	
720 minute summer	S87	7.000	S88	7.7	0.117	0.108	6.8747	
720 minute summer	S88	7.001	S89	15.6	0.158	0.218	6.8747	
720 minute summer	S89	7.002	S90	23.5	0.178	0.329	6.8747	
720 minute summer	S90	7.003	S92	31.1	0.200	0.442	8.6413	
720 minute summer	S92	1.005	S86	94.3	0.595	1.327	4.4095	
720 minute summer	S81	8.000	S82	7.7	0.116	0.108	6.8747	
720 minute summer	S82	8.001	S83	15.6	0.155	0.223	6.8747	
720 minute summer	S83	8.002	S84	23.5	0.174	0.329	6.8747	
720 minute summer	S84	8.003	S86	31.1	0.202	0.439	8.1975	
720 minute summer	S86	1.006	S30	101.7	0.642	1.433	4.4165	
720 minute summer	S76	9.000	S77	7.7	0.117	0.108	6.8747	
720 minute summer	S77	9.001	S78	15.6	0.156	0.218	6.8747	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	390	0.598	0.959	23.6	3.0823	0.0000	SURCHARGED
720 minute summer	S79	390	0.596	0.978	31.2	3.0897	0.0000	SURCHARGED
720 minute summer	S30	390	0.592	0.999	113.9	2.5430	0.0000	SURCHARGED
720 minute summer	S31	390	0.550	0.886	8.5	2.9331	0.0000	SURCHARGED
720 minute summer	S32	390	0.549	0.928	15.9	2.8664	0.0000	SURCHARGED
720 minute summer	S33	390	0.548	0.971	121.4	2.4706	0.0000	SURCHARGED
720 minute summer	S34	390	0.489	0.928	124.1	1.6392	0.0000	SURCHARGED
720 minute summer	S35	390	0.394	0.860	124.7	1.5197	0.0000	SURCHARGED
720 minute summer	S36	390	0.362	0.804	3.4	1.4201	0.0000	SURCHARGED
720 minute summer	S37	390	0.362	0.833	138.8	4.0932	0.0000	SURCHARGED
720 minute summer	S38	390	0.174	0.690	138.7	1.2186	0.0000	SURCHARGED
720 minute summer	S39	390	-0.014	0.548	138.7	0.9677	0.0000	SURCHARGED
720 minute summer	S56	390	-0.048	0.511	0.6	0.9035	0.0000	SURCHARGED
720 minute summer	S57	390	-0.048	0.517	138.6	1.3165	0.0000	SURCHARGED
720 minute summer	S125	405	-0.118	0.437	1.3	0.7730	0.0000	OK
720 minute summer	S127	405	-0.118	0.461	138.6	1.1744	0.0000	SURCHARGED
720 minute summer	S119	750	-0.156	0.413	1.2	0.7301	0.0000	OK
720 minute summer	S60	750	-0.156	0.437	138.5	1.1129	0.0000	OK
720 minute summer	Pond Inlet 1	750	-0.154	0.456	138.4	0.8052	0.0000	OK
720 minute summer	Pond Outlet	765	-0.156	0.454	69.3	0.5137	0.0000	SURCHARGED
720 minute summer	S13	765	-0.156	0.482	0.1	1.6701	0.0000	SURCHARGED
720 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute summer	PP-S26	405	0.642	0.142	5.7	12.3803	0.0000	OK
720 minute summer	PP-S25	405	0.642	0.142	5.7	10.9367	0.0000	OK
720 minute summer	PP-S16	405	0.642	0.142	6.7	16.3026	0.0000	OK
720 minute summer	PP-S145	405	0.641	0.141	7.4	16.8104	0.0000	OK
720 minute summer	PP-S4	405	0.638	0.138	11.7	14.7902	0.0000	OK
720 minute summer	PP-S1	420	0.638	0.138	16.8	45.4039	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	S78	9.002	S79	23.4	0.176	0.337	6.8745	
720 minute summer	S79	9.003	S30	31.1	0.197	0.433	7.6907	
720 minute summer	S30	1.007	S33	113.2	0.715	1.591	5.0209	
720 minute summer	S31	10.000	S32	8.5	0.126	0.120	13.6740	
720 minute summer	S32	10.001	S33	15.8	0.171	0.221	13.6740	
720 minute summer	S33	1.008	S34	121.5	0.767	1.722	5.1108	
720 minute summer	S34	1.009	S35	124.2	0.784	1.748	8.5103	
720 minute summer	S35	1.010	S37	124.7	0.787	1.877	1.7947	
720 minute summer	S36	11.000	S37	3.3	0.044	0.047	9.1184	
720 minute summer	S37	1.011	S38	138.7	0.876	1.963	14.3287	
720 minute summer	S38	1.012	S39	138.7	0.875	1.941	14.3287	
720 minute summer	S39	1.013	S57	138.6	0.875	2.188	1.1814	
720 minute summer	S56	12.011	S57	-0.6	-0.057	-0.008	2.0645	
720 minute summer	S57	1.014	S127	138.6	0.875	1.959	4.4483	
720 minute summer	S125	21.003	S127	-1.3	-0.019	-0.019	7.7852	
720 minute summer	S127	1.015	S60	138.5	0.886	1.944	4.3375	
720 minute summer	S119	22.003	S60	-1.2	-0.037	-0.017	7.6351	
720 minute summer	S60	1.016	Pond Inlet 1	138.4	1.012	1.828	4.7096	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	69.3	0.019	0.001	2457.8250	
720 minute summer	Pond Outlet	1.018	S13	0.1	0.165	0.002	0.4779	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	10.7	0.521	0.279	0.3167	
720 minute summer	PP-S25	2.000_1	S25	12.5	0.636	0.218	0.1604	
720 minute summer	PP-S16	3.000_1	S16	4.7	0.843	0.069	0.1654	
720 minute summer	PP-S145	4.000_2	S145	23.0	1.032	0.272	0.1647	
720 minute summer	PP-S4	1.000_2	S4	-10.7	0.726	-0.187	0.1560	
720 minute summer	PP-S1	4.000_1	S1	13.8	0.996	0.208	0.1624	

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Results for 100 year +20% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP-S5	405	0.637	0.137	7.0	17.3752	0.0000	OK
720 minute summer	PP-S12	405	0.636	0.136	6.6	12.9966	0.0000	OK
720 minute summer	PP-S14	435	0.633	0.133	18.4	60.6789	0.0000	OK
720 minute summer	PP-S2	405	0.637	0.137	6.7	13.9897	0.0000	OK
720 minute summer	PP-S15	405	0.636	0.136	5.5	7.2184	0.0000	OK
720 minute summer	PP-S75	405	0.635	0.135	8.4	7.9193	0.0000	OK
720 minute summer	PP-S24	405	0.629	0.129	7.3	15.1382	0.0000	OK
720 minute summer	PP-S30	390	0.592	0.092	3.6	4.7923	0.0000	OK
720 minute summer	PP-S33	390	0.547	0.047	2.3	1.9624	0.0000	OK
720 minute summer	PP-S34	375	0.530	0.030	4.4	1.1942	0.0000	OK
720 minute summer	PP-S35	375	0.512	0.012	0.7	0.1857	0.0000	OK
720 minute summer	PP-S36	375	0.526	0.026	3.4	0.7209	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	PP-S5	2.000_2	S5	19.4	0.979	0.262	0.1628	
720 minute summer	PP-S12	8.000_1	S12	19.9	0.847	0.219	0.1624	
720 minute summer	PP-S14	11.000_1	S14	-18.3	1.203	-0.221	0.1603	
720 minute summer	PP-S2	10.000_1	S2	8.8	0.934	0.096	0.1625	
720 minute summer	PP-S15	12.000_1	S15	7.4	0.906	0.078	0.1622	
720 minute summer	PP-S75	13.000_1	S75	-7.9	0.920	-0.079	0.1618	
720 minute summer	PP-S24	14.000_1	S92	8.8	1.236	0.086	0.1585	
720 minute summer	PP-S30	18.000_1	S30	3.5	0.980	0.032	0.1376	
720 minute summer	PP-S33	20.000_1	S33	2.5	1.059	0.022	0.1146	
720 minute summer	PP-S34	21.000_1	S34	4.4	1.308	0.037	0.1071	
720 minute summer	PP-S35	22.000_2	S35	0.7	0.789	0.006	0.0853	
720 minute summer	PP-S36	23.000_2	S36	3.4	1.219	0.029	0.0600	

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Results for 100 year +20% CC 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	S26	480	0.627	0.865	7.8	1.5293	0.0000	SURCHARGED
720 minute winter	S25	405	0.617	0.861	11.8	2.1922	0.0000	SURCHARGED
720 minute winter	S16	405	0.616	0.883	23.5	3.9137	0.0000	SURCHARGED
720 minute winter	S145	450	0.645	0.960	30.8	4.1323	0.0000	SURCHARGED
720 minute winter	S4	480	0.646	0.889	9.2	1.5711	0.0000	SURCHARGED
720 minute winter	S5	465	0.647	0.931	26.1	1.6457	0.0000	SURCHARGED
720 minute winter	S9	495	0.634	0.930	3.6	2.1437	0.0000	SURCHARGED
720 minute winter	S10	450	0.627	0.948	10.7	1.6747	0.0000	SURCHARGED
720 minute winter	S11	450	0.624	0.950	18.5	1.6786	0.0000	SURCHARGED
720 minute winter	S12	450	0.624	0.959	21.9	1.6940	0.0000	SURCHARGED
720 minute winter	S1	480	0.645	0.909	12.3	2.1405	0.0000	SURCHARGED
720 minute winter	S3	435	0.625	0.932	20.1	2.9806	0.0000	SURCHARGED
720 minute winter	S2	465	0.626	0.962	28.7	1.7005	0.0000	SURCHARGED
720 minute winter	S14	480	0.642	0.951	19.9	1.6812	0.0000	SURCHARGED
720 minute winter	S15	450	0.624	0.970	55.0	4.3647	0.0000	SURCHARGED
720 minute winter	S75	465	0.626	0.988	77.0	2.5152	0.0000	SURCHARGED
720 minute winter	S87	420	0.601	0.887	5.9	2.8787	0.0000	SURCHARGED
720 minute winter	S88	435	0.601	0.909	11.9	2.9640	0.0000	SURCHARGED
720 minute winter	S89	435	0.601	0.931	18.4	3.0167	0.0000	SURCHARGED
720 minute winter	S90	420	0.600	0.952	25.5	3.0332	0.0000	SURCHARGED
720 minute winter	S92	420	0.595	0.974	91.0	2.4793	0.0000	SURCHARGED
720 minute winter	S81	420	0.587	0.889	5.9	2.8707	0.0000	SURCHARGED
720 minute winter	S82	405	0.584	0.908	11.9	2.9485	0.0000	SURCHARGED
720 minute winter	S83	405	0.586	0.931	18.4	3.0066	0.0000	SURCHARGED
720 minute winter	S84	420	0.585	0.952	25.7	3.0203	0.0000	SURCHARGED
720 minute winter	S86	420	0.583	0.976	97.5	2.4829	0.0000	SURCHARGED
720 minute winter	S76	420	0.562	0.879	5.9	2.8249	0.0000	SURCHARGED
720 minute winter	S77	405	0.558	0.897	11.9	2.9015	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S26	1.000	S16	9.3	0.059	0.131	9.2005	
720 minute winter	S25	2.000	S16	9.8	0.062	0.139	7.3393	
720 minute winter	S16	1.001	S145	16.4	0.151	0.230	15.0038	
720 minute winter	S145	1.002	S75	23.1	0.188	0.328	15.0038	
720 minute winter	S4	3.000	S5	8.5	0.091	0.120	13.1095	
720 minute winter	S5	3.001	S11	15.9	0.116	0.223	13.1095	
720 minute winter	S9	4.000	S10	10.7	0.102	0.153	8.0648	
720 minute winter	S10	4.001	S11	5.1	0.071	0.067	1.3780	
720 minute winter	S11	3.002	S12	12.5	0.079	0.177	2.8740	
720 minute winter	S12	3.003	S15	18.8	0.119	0.273	3.6838	
720 minute winter	S1	5.000	S3	14.9	0.105	0.209	13.5151	
720 minute winter	S3	5.001	S2	13.8	0.139	0.195	9.1848	
720 minute winter	S2	5.002	S15	25.3	0.160	0.372	3.4165	
720 minute winter	S14	6.000	S15	12.3	0.078	0.175	11.8707	
720 minute winter	S15	3.004	S75	46.4	0.293	0.648	4.9661	
720 minute winter	S75	1.003	S92	75.2	0.475	1.057	5.3380	
720 minute winter	S87	7.000	S88	6.6	0.114	0.093	6.8747	
720 minute winter	S88	7.001	S89	12.3	0.156	0.172	6.8747	
720 minute winter	S89	7.002	S90	19.8	0.173	0.278	6.8747	
720 minute winter	S90	7.003	S92	24.0	0.172	0.340	8.6413	
720 minute winter	S92	1.005	S86	87.3	0.551	1.229	4.4095	
720 minute winter	S81	8.000	S82	6.2	0.114	0.086	6.8747	
720 minute winter	S82	8.001	S83	12.3	0.151	0.176	6.8747	
720 minute winter	S83	8.002	S84	20.0	0.157	0.281	6.8747	
720 minute winter	S84	8.003	S86	25.0	0.184	0.352	8.1975	
720 minute winter	S86	1.006	S30	95.1	0.601	1.340	4.4165	
720 minute winter	S76	9.000	S77	5.9	0.114	0.083	6.8747	
720 minute winter	S77	9.001	S78	11.9	0.148	0.167	6.8747	

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Results for 100 year +20% CC 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	S78	405	0.560	0.921	18.0	2.9607	0.0000	SURCHARGED
720 minute winter	S79	420	0.558	0.940	24.3	2.9687	0.0000	SURCHARGED
720 minute winter	S30	420	0.556	0.963	109.8	2.4508	0.0000	SURCHARGED
720 minute winter	S31	420	0.508	0.844	6.4	2.7967	0.0000	SURCHARGED
720 minute winter	S32	405	0.511	0.890	12.1	2.7482	0.0000	SURCHARGED
720 minute winter	S33	420	0.509	0.932	120.0	2.3718	0.0000	SURCHARGED
720 minute winter	S34	420	0.450	0.889	121.9	1.5702	0.0000	SURCHARGED
720 minute winter	S35	405	0.359	0.825	121.9	1.4572	0.0000	SURCHARGED
720 minute winter	S36	420	0.327	0.769	2.6	1.3595	0.0000	SURCHARGED
720 minute winter	S37	405	0.328	0.799	133.6	3.9263	0.0000	SURCHARGED
720 minute winter	S38	420	0.153	0.669	133.8	1.1828	0.0000	SURCHARGED
720 minute winter	S39	495	-0.010	0.552	133.9	0.9754	0.0000	SURCHARGED
720 minute winter	S56	510	-0.035	0.524	0.3	0.9266	0.0000	SURCHARGED
720 minute winter	S57	510	-0.035	0.530	133.9	1.3497	0.0000	SURCHARGED
720 minute winter	S125	510	-0.086	0.469	1.4	0.8282	0.0000	SURCHARGED
720 minute winter	S127	510	-0.086	0.493	133.8	1.2547	0.0000	SURCHARGED
720 minute winter	S119	810	-0.105	0.464	0.8	0.8192	0.0000	SURCHARGED
720 minute winter	S60	915	-0.106	0.487	133.8	1.2404	0.0000	SURCHARGED
720 minute winter	Pond Inlet 1	750	-0.102	0.508	133.6	0.8983	0.0000	OK
720 minute winter	Pond Outlet	750	-0.107	0.503	66.9	0.5687	0.0000	SURCHARGED
720 minute winter	S13	750	-0.107	0.531	0.2	1.8386	0.0000	SURCHARGED
720 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute winter	PP-S26	435	0.611	0.111	5.1	8.9402	0.0000	OK
720 minute winter	PP-S25	435	0.611	0.111	4.6	7.9648	0.0000	OK
720 minute winter	PP-S16	420	0.609	0.109	9.4	10.6363	0.0000	OK
720 minute winter	PP-S145	435	0.602	0.102	12.7	9.8021	0.0000	OK
720 minute winter	PP-S4	435	0.609	0.109	6.2	10.3270	0.0000	OK
720 minute winter	PP-S1	435	0.603	0.103	14.6	33.0472	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S78	9.002	S79	18.6	0.144	0.266	6.8745	
720 minute winter	S79	9.003	S30	24.4	0.187	0.339	7.6907	
720 minute winter	S30	1.007	S33	109.8	0.693	1.542	5.0209	
720 minute winter	S31	10.000	S32	6.5	0.123	0.092	13.6740	
720 minute winter	S32	10.001	S33	11.9	0.132	0.166	13.6740	
720 minute winter	S33	1.008	S34	119.0	0.751	1.687	5.1108	
720 minute winter	S34	1.009	S35	121.5	0.767	1.711	8.5103	
720 minute winter	S35	1.010	S37	122.1	0.771	1.837	1.7947	
720 minute winter	S36	11.000	S37	2.8	0.045	0.039	9.1184	
720 minute winter	S37	1.011	S38	133.8	0.845	1.894	14.3287	
720 minute winter	S38	1.012	S39	133.9	0.845	1.875	14.3287	
720 minute winter	S39	1.013	S57	133.9	0.845	2.113	1.1814	
720 minute winter	S56	12.011	S57	-0.3	-0.033	-0.005	2.0645	
720 minute winter	S57	1.014	S127	133.8	0.844	1.891	4.4483	
720 minute winter	S125	21.003	S127	-1.4	-0.108	-0.020	7.8151	
720 minute winter	S127	1.015	S60	133.8	0.861	1.878	4.3871	
720 minute winter	S119	22.003	S60	-0.8	-0.130	-0.012	7.8151	
720 minute winter	S60	1.016	Pond Inlet 1	133.6	0.986	1.765	4.7280	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	66.9	0.021	0.001	2743.2371	
720 minute winter	Pond Outlet	1.018	S13	0.2	0.173	0.002	0.4779	
720 minute winter	S13	Pump	Final Outfall	0.0				0.0
720 minute winter	PP-S26	1.000_1	S26	4.9	0.481	0.127	0.2497	
720 minute winter	PP-S25	2.000_1	S25	11.8	0.630	0.205	0.1301	
720 minute winter	PP-S16	3.000_1	S16	16.0	0.804	0.237	0.1388	
720 minute winter	PP-S145	4.000_2	S145	10.3	0.982	0.121	0.1428	
720 minute winter	PP-S4	1.000_2	S4	9.2	0.696	0.161	0.1335	
720 minute winter	PP-S1	4.000_1	S1	10.7	1.017	0.162	0.1381	

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Results for 100 year +20% CC 720 minute winter. 2160 minute analysis at 15 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
720 minute winter	PP-S5	420	0.604	0.104	9.8	10.7400	0.0000	OK
720 minute winter	PP-S12	450	0.605	0.105	8.9	9.4907	0.0000	OK
720 minute winter	PP-S14	435	0.606	0.106	11.3	43.4301	0.0000	OK
720 minute winter	PP-S2	435	0.606	0.106	9.7	10.5426	0.0000	OK
720 minute winter	PP-S15	435	0.604	0.104	4.4	5.3242	0.0000	OK
720 minute winter	PP-S75	420	0.602	0.102	10.0	5.7291	0.0000	OK
720 minute winter	PP-S24	420	0.595	0.095	5.0	9.8002	0.0000	OK
720 minute winter	PP-S30	405	0.553	0.053	3.5	2.4204	0.0000	OK
720 minute winter	PP-S33	375	0.519	0.019	1.7	0.3721	0.0000	OK
720 minute winter	PP-S34	375	0.526	0.026	3.3	0.9160	0.0000	OK
720 minute winter	PP-S35	390	0.511	0.011	0.5	0.1389	0.0000	OK
720 minute winter	PP-S36	375	0.523	0.023	2.6	0.5628	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP-S5	2.000_2	S5	17.6	0.934	0.238	0.1408	
720 minute winter	PP-S12	8.000_1	S12	12.0	0.785	0.132	0.1448	
720 minute winter	PP-S14	11.000_1	S14	19.9	1.106	0.241	0.1452	
720 minute winter	PP-S2	10.000_1	S2	20.9	0.872	0.229	0.1455	
720 minute winter	PP-S15	12.000_1	S15	18.2	0.829	0.193	0.1445	
720 minute winter	PP-S75	13.000_1	S75	20.5	0.855	0.207	0.1431	
720 minute winter	PP-S24	14.000_1	S92	5.3	1.144	0.051	0.1395	
720 minute winter	PP-S30	18.000_1	S30	4.8	0.906	0.043	0.1170	
720 minute winter	PP-S33	20.000_1	S33	1.7	0.969	0.015	0.1035	
720 minute winter	PP-S34	21.000_1	S34	3.3	1.245	0.028	0.1009	
720 minute winter	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0669	
720 minute winter	PP-S36	23.000_2	S36	2.6	1.156	0.022	0.0397	

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Results for 100 year +20% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S26	540	0.594	0.832	4.6	1.4693	0.0000	SURCHARGED
960 minute summer	S25	525	0.597	0.841	5.5	2.1393	0.0000	SURCHARGED
960 minute summer	S16	525	0.595	0.862	17.9	3.8222	0.0000	SURCHARGED
960 minute summer	S145	525	0.604	0.919	32.8	3.9575	0.0000	SURCHARGED
960 minute summer	S4	555	0.626	0.869	14.4	1.5349	0.0000	SURCHARGED
960 minute summer	S5	540	0.611	0.895	27.1	1.5819	0.0000	SURCHARGED
960 minute summer	S9	540	0.631	0.927	11.1	2.1368	0.0000	SURCHARGED
960 minute summer	S10	525	0.597	0.918	10.2	1.6215	0.0000	SURCHARGED
960 minute summer	S11	525	0.594	0.920	13.9	1.6256	0.0000	SURCHARGED
960 minute summer	S12	540	0.592	0.927	19.3	1.6382	0.0000	SURCHARGED
960 minute summer	S1	525	0.645	0.909	18.8	2.1417	0.0000	SURCHARGED
960 minute summer	S3	510	0.582	0.889	17.7	2.8422	0.0000	SURCHARGED
960 minute summer	S2	570	0.600	0.936	18.2	1.6545	0.0000	SURCHARGED
960 minute summer	S14	555	0.622	0.931	23.9	1.6447	0.0000	SURCHARGED
960 minute summer	S15	540	0.593	0.939	56.7	4.2257	0.0000	SURCHARGED
960 minute summer	S75	525	0.593	0.955	74.1	2.4305	0.0000	SURCHARGED
960 minute summer	S87	525	0.587	0.873	6.3	2.8321	0.0000	SURCHARGED
960 minute summer	S88	525	0.583	0.891	14.1	2.9042	0.0000	SURCHARGED
960 minute summer	S89	525	0.582	0.912	19.1	2.9556	0.0000	SURCHARGED
960 minute summer	S90	540	0.588	0.940	25.4	2.9925	0.0000	SURCHARGED
960 minute summer	S92	525	0.585	0.964	90.6	2.4541	0.0000	SURCHARGED
960 minute summer	S81	510	0.569	0.871	6.3	2.8126	0.0000	SURCHARGED
960 minute summer	S82	510	0.568	0.892	12.7	2.8976	0.0000	SURCHARGED
960 minute summer	S83	510	0.568	0.913	19.1	2.9480	0.0000	SURCHARGED
960 minute summer	S84	525	0.568	0.935	25.4	2.9646	0.0000	SURCHARGED
960 minute summer	S86	525	0.568	0.961	98.3	2.4446	0.0000	SURCHARGED
960 minute summer	S76	510	0.544	0.861	6.3	2.7691	0.0000	SURCHARGED
960 minute summer	S77	510	0.544	0.883	12.8	2.8545	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S26	1.000	S16	10.2	0.064	0.144	9.2005	
960 minute summer	S25	2.000	S16	7.1	0.045	0.100	7.3393	
960 minute summer	S16	1.001	S145	22.0	0.141	0.309	15.0038	
960 minute summer	S145	1.002	S75	24.8	0.189	0.352	15.0038	
960 minute summer	S4	3.000	S5	7.9	0.082	0.113	13.1095	
960 minute summer	S5	3.001	S11	11.7	0.106	0.164	13.1095	
960 minute summer	S9	4.000	S10	10.2	0.111	0.145	8.0648	
960 minute summer	S10	4.001	S11	3.5	0.100	0.046	1.3780	
960 minute summer	S11	3.002	S12	19.3	0.122	0.274	2.8740	
960 minute summer	S12	3.003	S15	23.0	0.145	0.335	3.6838	
960 minute summer	S1	5.000	S3	15.1	0.096	0.213	13.5151	
960 minute summer	S3	5.001	S2	18.2	0.137	0.256	9.1848	
960 minute summer	S2	5.002	S15	22.2	0.140	0.326	3.4165	
960 minute summer	S14	6.000	S15	16.6	0.105	0.235	11.8707	
960 minute summer	S15	3.004	S75	52.0	0.328	0.726	4.9661	
960 minute summer	S75	1.003	S92	74.3	0.469	1.044	5.3380	
960 minute summer	S87	7.000	S88	8.2	0.107	0.115	6.8747	
960 minute summer	S88	7.001	S89	12.6	0.147	0.177	6.8747	
960 minute summer	S89	7.002	S90	19.1	0.169	0.267	6.8747	
960 minute summer	S90	7.003	S92	25.4	0.190	0.360	8.6413	
960 minute summer	S92	1.005	S86	85.9	0.542	1.210	4.4095	
960 minute summer	S81	8.000	S82	6.2	0.105	0.088	6.8747	
960 minute summer	S82	8.001	S83	12.6	0.146	0.181	6.8747	
960 minute summer	S83	8.002	S84	19.1	0.161	0.267	6.8747	
960 minute summer	S84	8.003	S86	25.3	0.203	0.357	8.1975	
960 minute summer	S86	1.006	S30	94.1	0.594	1.326	4.4165	
960 minute summer	S76	9.000	S77	6.3	0.106	0.089	6.8747	
960 minute summer	S77	9.001	S78	12.7	0.146	0.178	6.8747	

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Results for 100 year +20% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S78	510	0.544	0.905	19.2	2.9077	0.0000	SURCHARGED
960 minute summer	S79	510	0.542	0.924	25.6	2.9193	0.0000	SURCHARGED
960 minute summer	S30	510	0.539	0.946	108.1	2.4080	0.0000	SURCHARGED
960 minute summer	S31	510	0.496	0.832	6.8	2.7568	0.0000	SURCHARGED
960 minute summer	S32	510	0.496	0.875	12.8	2.7024	0.0000	SURCHARGED
960 minute summer	S33	510	0.495	0.918	118.4	2.3361	0.0000	SURCHARGED
960 minute summer	S34	510	0.438	0.877	121.1	1.5501	0.0000	SURCHARGED
960 minute summer	S35	510	0.348	0.814	120.9	1.4382	0.0000	SURCHARGED
960 minute summer	S36	510	0.317	0.759	2.7	1.3412	0.0000	SURCHARGED
960 minute summer	S37	510	0.317	0.788	133.8	3.8738	0.0000	SURCHARGED
960 minute summer	S38	510	0.143	0.659	133.7	1.1640	0.0000	SURCHARGED
960 minute summer	S39	510	-0.032	0.530	133.7	0.9374	0.0000	SURCHARGED
960 minute summer	S56	510	-0.062	0.497	0.3	0.8774	0.0000	SURCHARGED
960 minute summer	S57	510	-0.062	0.503	133.7	1.2790	0.0000	SURCHARGED
960 minute summer	S125	585	-0.122	0.433	0.5	0.7651	0.0000	OK
960 minute summer	S127	585	-0.122	0.457	133.7	1.1624	0.0000	SURCHARGED
960 minute summer	S119	990	-0.133	0.436	1.0	0.7703	0.0000	OK
960 minute summer	S60	990	-0.132	0.461	133.6	1.1729	0.0000	SURCHARGED
960 minute summer	Pond Inlet 1	990	-0.127	0.483	133.4	0.8528	0.0000	OK
960 minute summer	Pond Outlet	2400	-0.134	0.476	66.8	0.5380	0.0000	SURCHARGED
960 minute summer	S13	2355	-0.134	0.504	0.1	1.7449	0.0000	SURCHARGED
960 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute summer	PP-S26	540	0.600	0.100	3.3	7.7118	0.0000	OK
960 minute summer	PP-S25	540	0.600	0.100	3.1	6.9712	0.0000	OK
960 minute summer	PP-S16	525	0.593	0.093	4.1	7.8583	0.0000	OK
960 minute summer	PP-S145	525	0.591	0.091	11.2	7.9826	0.0000	OK
960 minute summer	PP-S4	525	0.592	0.092	4.5	7.5646	0.0000	OK
960 minute summer	PP-S1	525	0.588	0.088	12.2	27.8072	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S78	9.002	S79	19.3	0.161	0.277	6.8745	
960 minute summer	S79	9.003	S30	25.6	0.203	0.356	7.6907	
960 minute summer	S30	1.007	S33	109.3	0.690	1.536	5.0209	
960 minute summer	S31	10.000	S32	6.8	0.118	0.096	13.6740	
960 minute summer	S32	10.001	S33	12.7	0.155	0.177	13.6740	
960 minute summer	S33	1.008	S34	118.6	0.749	1.682	5.1108	
960 minute summer	S34	1.009	S35	120.5	0.760	1.696	8.5103	
960 minute summer	S35	1.010	S37	121.1	0.764	1.822	1.7947	
960 minute summer	S36	11.000	S37	2.7	0.036	0.037	9.1184	
960 minute summer	S37	1.011	S38	133.7	0.844	1.893	14.3287	
960 minute summer	S38	1.012	S39	133.7	0.844	1.871	14.3287	
960 minute summer	S39	1.013	S57	133.7	0.844	2.110	1.1814	
960 minute summer	S56	12.011	S57	-0.3	-0.133	-0.004	2.0645	
960 minute summer	S57	1.014	S127	133.7	0.844	1.890	4.4483	
960 minute summer	S125	21.003	S127	-0.5	-0.033	-0.007	7.7679	
960 minute summer	S127	1.015	S60	133.6	0.862	1.875	4.3846	
960 minute summer	S119	22.003	S60	-1.0	-0.116	-0.014	7.7806	
960 minute summer	S60	1.016	Pond Inlet 1	133.4	0.978	1.761	4.7280	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	66.8	0.017	0.001	2583.6897	
960 minute summer	Pond Outlet	1.018	S13	0.1	0.128	0.002	0.4779	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	4.6	0.495	0.119	0.2241	
960 minute summer	PP-S25	2.000_1	S25	5.5	0.612	0.096	0.1136	
960 minute summer	PP-S16	3.000_1	S16	10.3	0.806	0.153	0.1233	
960 minute summer	PP-S145	4.000_2	S145	13.5	0.986	0.160	0.1373	
960 minute summer	PP-S4	1.000_2	S4	14.4	0.697	0.253	0.1210	
960 minute summer	PP-S1	4.000_1	S1	16.8	1.012	0.253	0.1355	

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Results for 100 year +20% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP-S5	540	0.585	0.085	12.5	7.2275	0.0000	OK
960 minute summer	PP-S12	525	0.583	0.083	12.8	7.0849	0.0000	OK
960 minute summer	PP-S14	540	0.585	0.085	11.9	30.3118	0.0000	OK
960 minute summer	PP-S2	525	0.592	0.092	12.1	8.9325	0.0000	OK
960 minute summer	PP-S15	525	0.593	0.093	6.6	4.6378	0.0000	OK
960 minute summer	PP-S75	525	0.590	0.090	4.6	4.9818	0.0000	OK
960 minute summer	PP-S24	525	0.581	0.081	5.3	7.4576	0.0000	OK
960 minute summer	PP-S30	510	0.539	0.039	1.6	1.6094	0.0000	OK
960 minute summer	PP-S33	495	0.520	0.020	1.8	0.3924	0.0000	OK
960 minute summer	PP-S34	495	0.527	0.027	3.6	0.9909	0.0000	OK
960 minute summer	PP-S35	480	0.511	0.011	0.5	0.1392	0.0000	OK
960 minute summer	PP-S36	495	0.523	0.023	2.7	0.5831	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP-S5	2.000_2	S5	19.7	0.944	0.266	0.1314	
960 minute summer	PP-S12	8.000_1	S12	17.5	0.799	0.192	0.1329	
960 minute summer	PP-S14	11.000_1	S14	23.9	0.904	0.288	0.1330	
960 minute summer	PP-S2	10.000_1	S2	-10.6	0.894	-0.116	0.1375	
960 minute summer	PP-S15	12.000_1	S15	25.9	0.863	0.274	0.1381	
960 minute summer	PP-S75	13.000_1	S75	6.9	0.889	0.070	0.1367	
960 minute summer	PP-S24	14.000_1	S92	13.2	1.190	0.129	0.1313	
960 minute summer	PP-S30	18.000_1	S30	2.0	0.945	0.018	0.1109	
960 minute summer	PP-S33	20.000_1	S33	1.8	1.006	0.016	0.1036	
960 minute summer	PP-S34	21.000_1	S34	3.6	1.250	0.030	0.0974	
960 minute summer	PP-S35	22.000_2	S35	0.5	0.748	0.004	0.0610	
960 minute summer	PP-S36	23.000_2	S36	2.7	1.167	0.023	0.0348	

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Results for 100 year +20% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S26	540	0.561	0.799	4.6	1.4115	0.0000	SURCHARGED
960 minute winter	S25	540	0.561	0.805	8.5	2.0475	0.0000	SURCHARGED
960 minute winter	S16	555	0.556	0.823	20.2	3.6511	0.0000	SURCHARGED
960 minute winter	S145	510	0.547	0.862	23.2	3.7110	0.0000	SURCHARGED
960 minute winter	S4	540	0.554	0.797	3.4	1.4085	0.0000	SURCHARGED
960 minute winter	S5	540	0.545	0.829	5.7	1.4648	0.0000	SURCHARGED
960 minute winter	S9	525	0.555	0.851	3.9	1.9604	0.0000	SURCHARGED
960 minute winter	S10	540	0.553	0.874	3.3	1.5452	0.0000	SURCHARGED
960 minute winter	S11	540	0.554	0.880	7.6	1.5550	0.0000	SURCHARGED
960 minute winter	S12	540	0.550	0.885	13.5	1.5646	0.0000	SURCHARGED
960 minute winter	S1	525	0.547	0.811	7.0	1.9088	0.0000	SURCHARGED
960 minute winter	S3	525	0.542	0.849	14.2	2.7162	0.0000	SURCHARGED
960 minute winter	S2	540	0.541	0.877	12.2	1.5505	0.0000	SURCHARGED
960 minute winter	S14	525	0.540	0.849	3.0	1.4998	0.0000	SURCHARGED
960 minute winter	S15	540	0.546	0.892	30.6	4.0171	0.0000	SURCHARGED
960 minute winter	S75	540	0.544	0.906	53.3	2.3050	0.0000	SURCHARGED
960 minute winter	S87	525	0.530	0.816	4.7	2.6465	0.0000	SURCHARGED
960 minute winter	S88	540	0.529	0.838	9.5	2.7311	0.0000	SURCHARGED
960 minute winter	S89	540	0.530	0.860	14.2	2.7870	0.0000	SURCHARGED
960 minute winter	S90	540	0.530	0.882	18.8	2.8090	0.0000	SURCHARGED
960 minute winter	S92	540	0.529	0.908	71.3	2.3113	0.0000	SURCHARGED
960 minute winter	S81	525	0.513	0.815	4.7	2.6310	0.0000	SURCHARGED
960 minute winter	S82	525	0.513	0.837	9.5	2.7165	0.0000	SURCHARGED
960 minute winter	S83	540	0.513	0.858	14.2	2.7685	0.0000	SURCHARGED
960 minute winter	S84	525	0.513	0.880	18.9	2.7908	0.0000	SURCHARGED
960 minute winter	S86	525	0.512	0.905	86.8	2.3020	0.0000	SURCHARGED
960 minute winter	S76	525	0.486	0.803	4.7	2.5831	0.0000	SURCHARGED
960 minute winter	S77	510	0.486	0.825	9.5	2.6683	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S26	1.000	S16	3.1	0.049	0.044	9.2005	
960 minute winter	S25	2.000	S16	6.9	0.044	0.098	7.3393	
960 minute winter	S16	1.001	S145	11.5	0.142	0.162	15.0038	
960 minute winter	S145	1.002	S75	22.3	0.179	0.316	15.0038	
960 minute winter	S4	3.000	S5	3.1	0.080	0.044	13.1095	
960 minute winter	S5	3.001	S11	6.4	0.120	0.090	13.1095	
960 minute winter	S9	4.000	S10	3.3	0.105	0.046	8.0648	
960 minute winter	S10	4.001	S11	3.1	0.025	0.041	1.3780	
960 minute winter	S11	3.002	S12	7.5	0.047	0.107	2.8740	
960 minute winter	S12	3.003	S15	12.2	0.077	0.177	3.6838	
960 minute winter	S1	5.000	S3	10.1	0.102	0.142	13.5151	
960 minute winter	S3	5.001	S2	12.2	0.132	0.172	9.1848	
960 minute winter	S2	5.002	S15	12.4	0.095	0.182	3.4165	
960 minute winter	S14	6.000	S15	3.4	-0.049	0.049	11.8707	
960 minute winter	S15	3.004	S75	30.6	0.193	0.428	4.9661	
960 minute winter	S75	1.003	S92	52.5	0.331	0.738	5.3380	
960 minute winter	S87	7.000	S88	4.8	0.111	0.068	6.8747	
960 minute winter	S88	7.001	S89	9.4	0.144	0.132	6.8747	
960 minute winter	S89	7.002	S90	14.1	0.170	0.198	6.8747	
960 minute winter	S90	7.003	S92	18.8	0.148	0.267	8.6413	
960 minute winter	S92	1.005	S86	70.5	0.445	0.992	4.4095	
960 minute winter	S81	8.000	S82	5.2	0.108	0.073	6.8747	
960 minute winter	S82	8.001	S83	9.4	0.142	0.135	6.8747	
960 minute winter	S83	8.002	S84	14.2	0.167	0.199	6.8747	
960 minute winter	S84	8.003	S86	18.8	0.138	0.265	8.1975	
960 minute winter	S86	1.006	S30	85.7	0.541	1.207	4.4165	
960 minute winter	S76	9.000	S77	5.0	0.107	0.071	6.8747	
960 minute winter	S77	9.001	S78	9.4	0.143	0.132	6.8747	

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Results for 100 year +20% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	525	0.487	0.848	14.2	2.7245	0.0000	SURCHARGED
960 minute winter	S79	525	0.486	0.868	18.9	2.7405	0.0000	SURCHARGED
960 minute winter	S30	525	0.484	0.891	104.6	2.2682	0.0000	SURCHARGED
960 minute winter	S31	525	0.441	0.777	5.1	2.5720	0.0000	SURCHARGED
960 minute winter	S32	525	0.440	0.819	9.5	2.5296	0.0000	SURCHARGED
960 minute winter	S33	525	0.440	0.863	114.2	2.1953	0.0000	SURCHARGED
960 minute winter	S34	510	0.386	0.825	117.0	1.4569	0.0000	SURCHARGED
960 minute winter	S35	525	0.301	0.767	117.3	1.3551	0.0000	SURCHARGED
960 minute winter	S36	525	0.272	0.714	2.0	1.2624	0.0000	SURCHARGED
960 minute winter	S37	525	0.272	0.743	127.5	3.6525	0.0000	SURCHARGED
960 minute winter	S38	540	0.115	0.631	127.4	1.1157	0.0000	SURCHARGED
960 minute winter	S39	570	-0.036	0.526	127.4	0.9303	0.0000	SURCHARGED
960 minute winter	S56	570	-0.061	0.498	0.2	0.8796	0.0000	SURCHARGED
960 minute winter	S57	570	-0.061	0.504	127.4	1.2820	0.0000	SURCHARGED
960 minute winter	S125	2250	-0.082	0.473	0.5	0.8349	0.0000	SURCHARGED
960 minute winter	S127	975	-0.083	0.496	127.4	1.2631	0.0000	SURCHARGED
960 minute winter	S119	2130	-0.083	0.486	0.5	0.8596	0.0000	SURCHARGED
960 minute winter	S60	975	-0.083	0.510	127.3	1.2987	0.0000	SURCHARGED
960 minute winter	Pond Inlet 1	975	-0.077	0.533	127.2	0.9423	0.0000	OK
960 minute winter	Pond Outlet	1005	-0.084	0.526	63.6	0.5945	0.0000	SURCHARGED
960 minute winter	S13	1125	-0.084	0.554	0.3	1.9178	0.0000	SURCHARGED
960 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute winter	PP-S26	525	0.542	0.042	2.3	1.6145	0.0000	OK
960 minute winter	PP-S25	525	0.540	0.040	2.9	1.3950	0.0000	OK
960 minute winter	PP-S16	525	0.542	0.042	3.1	1.6093	0.0000	OK
960 minute winter	PP-S145	525	0.540	0.040	2.6	1.5879	0.0000	OK
960 minute winter	PP-S4	525	0.540	0.040	2.1	1.5065	0.0000	OK
960 minute winter	PP-S1	480	0.543	0.043	5.2	11.6201	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	S78	9.002	S79	14.2	0.162	0.203	6.8745	
960 minute winter	S79	9.003	S30	18.8	0.141	0.262	7.6907	
960 minute winter	S30	1.007	S33	103.8	0.655	1.458	5.0209	
960 minute winter	S31	10.000	S32	5.1	0.116	0.072	13.6740	
960 minute winter	S32	10.001	S33	9.4	0.090	0.132	13.6740	
960 minute winter	S33	1.008	S34	114.4	0.722	1.622	5.1108	
960 minute winter	S34	1.009	S35	116.9	0.738	1.646	8.5103	
960 minute winter	S35	1.010	S37	117.2	0.740	1.764	1.7947	
960 minute winter	S36	11.000	S37	2.1	0.046	0.030	9.1184	
960 minute winter	S37	1.011	S38	127.4	0.804	1.803	14.3287	
960 minute winter	S38	1.012	S39	127.4	0.804	1.783	14.3287	
960 minute winter	S39	1.013	S57	127.4	0.804	2.011	1.1814	
960 minute winter	S56	12.011	S57	-0.2	-0.022	-0.004	2.0645	
960 minute winter	S57	1.014	S127	127.4	0.804	1.801	4.4483	
960 minute winter	S125	21.003	S127	-0.5	-0.044	-0.007	7.8151	
960 minute winter	S127	1.015	S60	127.3	0.829	1.787	4.3871	
960 minute winter	S119	22.003	S60	-0.5	-0.024	-0.007	7.8151	
960 minute winter	S60	1.016	Pond Inlet 1	127.2	0.921	1.679	4.7280	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	63.6	0.019	0.001	2877.7373	
960 minute winter	Pond Outlet	1.018	S13	0.3	0.163	0.004	0.4779	
960 minute winter	S13	Pump	Final Outfall	0.0				0.0
960 minute winter	PP-S26	1.000_1	S26	2.5	0.459	0.066	0.1283	
960 minute winter	PP-S25	2.000_1	S25	3.5	0.577	0.061	0.0662	
960 minute winter	PP-S16	3.000_1	S16	5.1	0.768	0.075	0.0763	
960 minute winter	PP-S145	4.000_2	S145	5.9	0.944	0.070	0.0940	
960 minute winter	PP-S4	1.000_2	S4	3.4	0.663	0.059	0.0622	
960 minute winter	PP-S1	4.000_1	S1	5.2	0.943	0.079	0.0708	

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Results for 100 year +20% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP-S5	540	0.538	0.038	3.7	1.5206	0.0000	OK
960 minute winter	PP-S12	540	0.539	0.039	2.6	2.1670	0.0000	OK
960 minute winter	PP-S14	525	0.538	0.038	2.9	6.2667	0.0000	OK
960 minute winter	PP-S2	525	0.538	0.038	4.6	2.8243	0.0000	OK
960 minute winter	PP-S15	540	0.537	0.037	4.8	1.3258	0.0000	OK
960 minute winter	PP-S75	540	0.536	0.036	3.5	1.4437	0.0000	OK
960 minute winter	PP-S24	525	0.527	0.027	3.1	0.9165	0.0000	OK
960 minute winter	PP-S30	495	0.517	0.017	1.2	0.3381	0.0000	OK
960 minute winter	PP-S33	495	0.518	0.018	1.4	0.3116	0.0000	OK
960 minute winter	PP-S34	465	0.523	0.023	2.6	0.7570	0.0000	OK
960 minute winter	PP-S35	465	0.510	0.010	0.4	0.1160	0.0000	OK
960 minute winter	PP-S36	480	0.521	0.021	2.0	0.4585	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	PP-S5	2.000_2	S5	4.1	0.898	0.055	0.0793	
960 minute winter	PP-S12	8.000_1	S12	6.0	0.765	0.066	0.1057	
960 minute winter	PP-S14	11.000_1	S14	3.0	0.594	0.036	0.0896	
960 minute winter	PP-S2	10.000_1	S2	-3.0	0.861	-0.033	0.1016	
960 minute winter	PP-S15	12.000_1	S15	4.4	0.814	0.047	0.1072	
960 minute winter	PP-S75	13.000_1	S75	4.8	0.834	0.048	0.1096	
960 minute winter	PP-S24	14.000_1	S92	3.2	1.115	0.031	0.1057	
960 minute winter	PP-S30	18.000_1	S30	1.2	0.882	0.011	0.0999	
960 minute winter	PP-S33	20.000_1	S33	1.4	0.953	0.012	0.0879	
960 minute winter	PP-S34	21.000_1	S34	2.6	1.196	0.022	0.0711	
960 minute winter	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0345	
960 minute winter	PP-S36	23.000_2	S36	2.0	1.118	0.017	0.0127	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S26	780	0.406	0.644	1.4	1.1379	0.0000	SURCHARGED
1440 minute summer	S25	780	0.406	0.650	1.2	1.6531	0.0000	SURCHARGED
1440 minute summer	S16	780	0.406	0.673	9.7	2.9838	0.0000	SURCHARGED
1440 minute summer	S145	780	0.405	0.720	19.3	3.0997	0.0000	SURCHARGED
1440 minute summer	S4	780	0.405	0.648	2.0	1.1445	0.0000	SURCHARGED
1440 minute summer	S5	780	0.405	0.689	4.7	1.2168	0.0000	SURCHARGED
1440 minute summer	S9	780	0.404	0.700	1.6	1.6139	0.0000	SURCHARGED
1440 minute summer	S10	780	0.404	0.725	1.4	1.2819	0.0000	SURCHARGED
1440 minute summer	S11	780	0.404	0.730	6.0	1.2907	0.0000	SURCHARGED
1440 minute summer	S12	780	0.404	0.739	7.0	1.3064	0.0000	SURCHARGED
1440 minute summer	S1	780	0.405	0.669	6.3	1.5766	0.0000	SURCHARGED
1440 minute summer	S3	780	0.405	0.712	10.3	2.2775	0.0000	SURCHARGED
1440 minute summer	S2	780	0.405	0.741	11.3	1.3086	0.0000	SURCHARGED
1440 minute summer	S14	780	0.404	0.713	0.9	1.2602	0.0000	SURCHARGED
1440 minute summer	S15	780	0.404	0.750	24.8	3.3766	0.0000	SURCHARGED
1440 minute summer	S75	780	0.402	0.764	44.3	1.9434	0.0000	SURCHARGED
1440 minute summer	S87	780	0.396	0.682	4.4	2.2119	0.0000	SURCHARGED
1440 minute summer	S88	780	0.396	0.704	8.5	2.2951	0.0000	SURCHARGED
1440 minute summer	S89	780	0.395	0.725	12.5	2.3512	0.0000	SURCHARGED
1440 minute summer	S90	780	0.395	0.747	16.5	2.3783	0.0000	SURCHARGED
1440 minute summer	S92	780	0.393	0.772	62.9	1.9652	0.0000	SURCHARGED
1440 minute summer	S81	780	0.381	0.683	4.4	2.2055	0.0000	SURCHARGED
1440 minute summer	S82	780	0.381	0.705	8.5	2.2890	0.0000	SURCHARGED
1440 minute summer	S83	780	0.381	0.726	12.5	2.3424	0.0000	SURCHARGED
1440 minute summer	S84	780	0.380	0.747	16.5	2.3692	0.0000	SURCHARGED
1440 minute summer	S86	780	0.378	0.771	78.9	1.9633	0.0000	SURCHARGED
1440 minute summer	S76	780	0.358	0.675	4.4	2.1693	0.0000	SURCHARGED
1440 minute summer	S77	780	0.358	0.697	8.5	2.2524	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S26	1.000	S16	1.4	0.049	0.019	9.2005	
1440 minute summer	S25	2.000	S16	1.2	0.038	0.017	7.3393	
1440 minute summer	S16	1.001	S145	9.3	0.123	0.131	15.0038	
1440 minute summer	S145	1.002	S75	18.7	0.153	0.266	15.0038	
1440 minute summer	S4	3.000	S5	1.8	0.071	0.025	13.1095	
1440 minute summer	S5	3.001	S11	4.4	0.131	0.062	13.1095	
1440 minute summer	S9	4.000	S10	1.4	0.065	0.021	8.0648	
1440 minute summer	S10	4.001	S11	1.6	-0.016	0.021	1.3780	
1440 minute summer	S11	3.002	S12	6.3	0.049	0.089	2.8740	
1440 minute summer	S12	3.003	S15	7.1	0.047	0.104	3.6838	
1440 minute summer	S1	5.000	S3	6.1	0.103	0.085	13.5151	
1440 minute summer	S3	5.001	S2	9.9	0.127	0.139	9.1848	
1440 minute summer	S2	5.002	S15	11.4	0.085	0.167	3.4165	
1440 minute summer	S14	6.000	S15	-0.8	-0.033	-0.011	11.8707	
1440 minute summer	S15	3.004	S75	25.1	0.159	0.351	4.9661	
1440 minute summer	S75	1.003	S92	44.5	0.281	0.626	5.3380	
1440 minute summer	S87	7.000	S88	4.0	0.097	0.056	6.8747	
1440 minute summer	S88	7.001	S89	8.0	0.133	0.112	6.8747	
1440 minute summer	S89	7.002	S90	12.1	0.149	0.169	6.8747	
1440 minute summer	S90	7.003	S92	16.0	0.113	0.228	8.6413	
1440 minute summer	S92	1.005	S86	63.1	0.398	0.887	4.4095	
1440 minute summer	S81	8.000	S82	4.0	0.096	0.056	6.8747	
1440 minute summer	S82	8.001	S83	8.0	0.132	0.115	6.8747	
1440 minute summer	S83	8.002	S84	12.1	0.136	0.170	6.8747	
1440 minute summer	S84	8.003	S86	16.1	0.102	0.227	8.1975	
1440 minute summer	S86	1.006	S30	79.0	0.499	1.113	4.4165	
1440 minute summer	S76	9.000	S77	4.0	0.097	0.056	6.8747	
1440 minute summer	S77	9.001	S78	8.0	0.130	0.113	6.8747	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S78	780	0.357	0.718	12.5	2.3088	0.0000	SURCHARGED
1440 minute summer	S79	780	0.357	0.739	16.5	2.3333	0.0000	SURCHARGED
1440 minute summer	S30	780	0.355	0.762	95.7	1.9399	0.0000	SURCHARGED
1440 minute summer	S31	780	0.318	0.654	4.8	2.1672	0.0000	SURCHARGED
1440 minute summer	S32	780	0.318	0.697	8.6	2.1530	0.0000	SURCHARGED
1440 minute summer	S33	780	0.318	0.741	104.9	1.8849	0.0000	SURCHARGED
1440 minute summer	S34	780	0.272	0.711	107.2	1.2562	0.0000	SURCHARGED
1440 minute summer	S35	780	0.200	0.666	107.6	1.1772	0.0000	SURCHARGED
1440 minute summer	S36	780	0.176	0.618	1.9	1.0915	0.0000	SURCHARGED
1440 minute summer	S37	780	0.176	0.647	116.0	3.1792	0.0000	SURCHARGED
1440 minute summer	S38	780	0.043	0.559	116.3	0.9886	0.0000	SURCHARGED
1440 minute summer	S39	780	-0.087	0.475	116.3	0.8397	0.0000	SURCHARGED
1440 minute summer	S56	1470	-0.106	0.453	0.1	0.7996	0.0000	SURCHARGED
1440 minute summer	S57	1470	-0.107	0.458	116.4	1.1666	0.0000	SURCHARGED
1440 minute summer	S125	2880	-0.107	0.448	0.3	0.7923	0.0000	OK
1440 minute summer	S127	1470	-0.107	0.472	116.4	1.2025	0.0000	SURCHARGED
1440 minute summer	S119	2490	-0.107	0.462	0.3	0.8171	0.0000	SURCHARGED
1440 minute summer	S60	1470	-0.106	0.487	116.6	1.2385	0.0000	SURCHARGED
1440 minute summer	Pond Inlet 1	1470	-0.101	0.509	116.6	0.9001	0.0000	OK
1440 minute summer	Pond Outlet	1500	-0.108	0.502	58.4	0.5675	0.0000	SURCHARGED
1440 minute summer	S13	1500	-0.108	0.530	0.2	1.8355	0.0000	SURCHARGED
1440 minute summer	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	PP-S26	750	0.530	0.030	1.4	0.8157	0.0000	OK
1440 minute summer	PP-S25	750	0.523	0.023	1.2	0.4770	0.0000	OK
1440 minute summer	PP-S16	750	0.528	0.028	2.1	0.7360	0.0000	OK
1440 minute summer	PP-S145	750	0.527	0.027	2.5	0.7407	0.0000	OK
1440 minute summer	PP-S4	750	0.529	0.029	2.0	0.8117	0.0000	OK
1440 minute summer	PP-S1	750	0.542	0.042	4.9	11.2947	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S78	9.002	S79	12.1	0.123	0.174	6.8745	
1440 minute summer	S79	9.003	S30	16.1	0.102	0.225	7.6907	
1440 minute summer	S30	1.007	S33	95.9	0.605	1.347	5.0209	
1440 minute summer	S31	10.000	S32	4.4	0.097	0.062	13.6740	
1440 minute summer	S32	10.001	S33	8.2	0.058	0.115	13.6740	
1440 minute summer	S33	1.008	S34	105.1	0.663	1.490	5.1108	
1440 minute summer	S34	1.009	S35	107.3	0.677	1.511	8.5103	
1440 minute summer	S35	1.010	S37	107.7	0.680	1.621	1.7947	
1440 minute summer	S36	11.000	S37	1.7	-0.048	0.024	9.1184	
1440 minute summer	S37	1.011	S38	116.3	0.734	1.645	14.3287	
1440 minute summer	S38	1.012	S39	116.3	0.734	1.628	14.3287	
1440 minute summer	S39	1.013	S57	116.3	0.734	1.836	1.1813	
1440 minute summer	S56	12.011	S57	0.2	-0.022	0.003	2.0641	
1440 minute summer	S57	1.014	S127	116.4	0.742	1.646	4.4483	
1440 minute summer	S125	21.003	S127	-0.3	-0.009	-0.005	7.8113	
1440 minute summer	S127	1.015	S60	116.5	0.782	1.636	4.3871	
1440 minute summer	S119	22.003	S60	-0.3	-0.013	-0.005	7.8151	
1440 minute summer	S60	1.016	Pond Inlet 1	116.6	0.867	1.540	4.7280	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	58.4	0.014	0.001	2737.1621	
1440 minute summer	Pond Outlet	1.018	S13	0.2	0.069	0.002	0.4779	
1440 minute summer	S13	Pump	Final Outfall	0.0				0.0
1440 minute summer	PP-S26	1.000_1	S26	1.4	0.460	0.036	0.0304	
1440 minute summer	PP-S25	2.000_1	S25	1.2	0.577	0.021	0.0104	
1440 minute summer	PP-S16	3.000_1	S16	2.1	0.761	0.031	0.0138	
1440 minute summer	PP-S145	4.000_2	S145	2.5	0.937	0.030	0.0161	
1440 minute summer	PP-S4	1.000_2	S4	2.0	0.667	0.035	0.0150	
1440 minute summer	PP-S1	4.000_1	S1	4.6	0.943	0.070	0.0246	

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Results for 100 year +20% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP-S5	750	0.531	0.031	2.9	1.0125	0.0000	OK
1440 minute summer	PP-S12	750	0.518	0.018	1.1	0.4445	0.0000	OK
1440 minute summer	PP-S14	810	0.506	0.006	0.1	0.1614	0.0000	OK
1440 minute summer	PP-S2	750	0.520	0.020	1.5	0.9207	0.0000	OK
1440 minute summer	PP-S15	750	0.518	0.018	1.2	0.3238	0.0000	OK
1440 minute summer	PP-S75	750	0.518	0.018	1.2	0.3597	0.0000	OK
1440 minute summer	PP-S24	750	0.526	0.026	2.9	0.8541	0.0000	OK
1440 minute summer	PP-S30	750	0.516	0.016	1.1	0.3160	0.0000	OK
1440 minute summer	PP-S33	750	0.517	0.017	1.3	0.2965	0.0000	OK
1440 minute summer	PP-S34	750	0.523	0.023	2.5	0.7377	0.0000	OK
1440 minute summer	PP-S35	750	0.510	0.010	0.4	0.1160	0.0000	OK
1440 minute summer	PP-S36	750	0.520	0.020	1.9	0.4377	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP-S5	2.000_2	S5	2.9	0.893	0.039	0.0162	
1440 minute summer	PP-S12	8.000_1	S12	1.1	0.764	0.012	0.0226	
1440 minute summer	PP-S14	11.000_1	S14	0.1	0.356	0.001	0.0086	
1440 minute summer	PP-S2	10.000_1	S2	1.5	0.843	0.017	0.0241	
1440 minute summer	PP-S15	12.000_1	S15	1.2	0.808	0.013	0.0281	
1440 minute summer	PP-S75	13.000_1	S75	1.2	0.834	0.012	0.0351	
1440 minute summer	PP-S24	14.000_1	S92	3.0	1.113	0.029	0.0406	
1440 minute summer	PP-S30	18.000_1	S30	1.1	0.882	0.010	0.0355	
1440 minute summer	PP-S33	20.000_1	S33	1.3	0.947	0.012	0.0226	
1440 minute summer	PP-S34	21.000_1	S34	2.5	1.187	0.021	0.0117	
1440 minute summer	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0028	
1440 minute summer	PP-S36	23.000_2	S36	1.9	1.102	0.016	0.0086	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S26	810	0.110	0.348	1.0	0.6145	0.0000	OK
1440 minute winter	S25	810	0.110	0.354	0.9	0.9003	0.0000	OK
1440 minute winter	S16	810	0.110	0.377	7.3	1.6706	0.0000	OK
1440 minute winter	S145	810	0.109	0.424	14.2	1.8272	0.0000	OK
1440 minute winter	S4	810	0.109	0.352	1.5	0.6224	0.0000	OK
1440 minute winter	S5	810	0.109	0.393	3.4	0.6948	0.0000	OK
1440 minute winter	S9	810	0.109	0.405	1.2	0.9334	0.0000	OK
1440 minute winter	S10	810	0.109	0.430	1.1	0.7600	0.0000	OK
1440 minute winter	S11	810	0.109	0.435	4.7	0.7689	0.0000	OK
1440 minute winter	S12	810	0.109	0.444	5.5	0.7847	0.0000	OK
1440 minute winter	S1	810	0.110	0.374	4.9	0.8800	0.0000	OK
1440 minute winter	S3	810	0.110	0.417	7.9	1.3320	0.0000	OK
1440 minute winter	S2	810	0.109	0.445	8.7	0.7867	0.0000	OK
1440 minute winter	S14	810	0.109	0.418	0.3	0.7386	0.0000	OK
1440 minute winter	S15	810	0.109	0.455	18.9	2.0479	0.0000	SURCHARGED
1440 minute winter	S75	810	0.108	0.470	33.7	1.1951	0.0000	SURCHARGED
1440 minute winter	S87	810	0.104	0.390	3.3	1.2662	0.0000	OK
1440 minute winter	S88	810	0.104	0.412	6.5	1.3445	0.0000	OK
1440 minute winter	S89	810	0.104	0.434	9.6	1.4070	0.0000	OK
1440 minute winter	S90	810	0.104	0.456	12.6	1.4515	0.0000	SURCHARGED
1440 minute winter	S92	810	0.103	0.482	47.9	1.2263	0.0000	SURCHARGED
1440 minute winter	S81	810	0.096	0.398	3.3	1.2847	0.0000	OK
1440 minute winter	S82	810	0.096	0.420	6.5	1.3632	0.0000	OK
1440 minute winter	S83	810	0.096	0.441	9.7	1.4225	0.0000	OK
1440 minute winter	S84	810	0.095	0.462	12.7	1.4663	0.0000	SURCHARGED
1440 minute winter	S86	810	0.094	0.487	60.2	1.2405	0.0000	SURCHARGED
1440 minute winter	S76	810	0.082	0.399	3.3	1.2843	0.0000	OK
1440 minute winter	S77	810	0.082	0.421	6.5	1.3625	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S26	1.000	S16	1.0	0.045	0.014	7.9326	
1440 minute winter	S25	2.000	S16	0.9	0.040	0.013	6.3793	
1440 minute winter	S16	1.001	S145	7.1	0.131	0.100	14.0467	
1440 minute winter	S145	1.002	S75	14.0	0.161	0.199	14.8370	
1440 minute winter	S4	3.000	S5	1.4	0.075	0.020	11.5846	
1440 minute winter	S5	3.001	S11	3.5	0.095	0.049	12.5692	
1440 minute winter	S9	4.000	S10	1.1	0.078	0.016	7.7962	
1440 minute winter	S10	4.001	S11	1.2	0.041	0.016	1.3608	
1440 minute winter	S11	3.002	S12	4.9	0.038	0.069	2.8566	
1440 minute winter	S12	3.003	S15	5.6	0.038	0.081	3.6791	
1440 minute winter	S1	5.000	S3	4.7	0.097	0.067	12.5344	
1440 minute winter	S3	5.001	S2	7.6	0.115	0.108	9.0251	
1440 minute winter	S2	5.002	S15	8.7	0.076	0.127	3.4137	
1440 minute winter	S14	6.000	S15	-0.3	-0.026	-0.004	11.6857	
1440 minute winter	S15	3.004	S75	19.0	0.120	0.266	4.9659	
1440 minute winter	S75	1.003	S92	33.7	0.213	0.474	5.3380	
1440 minute winter	S87	7.000	S88	3.1	0.104	0.044	6.4689	
1440 minute winter	S88	7.001	S89	6.2	0.135	0.087	6.7010	
1440 minute winter	S89	7.002	S90	9.4	0.136	0.131	6.8377	
1440 minute winter	S90	7.003	S92	12.5	0.125	0.177	8.6413	
1440 minute winter	S92	1.005	S86	47.9	0.303	0.675	4.4095	
1440 minute winter	S81	8.000	S82	3.1	0.102	0.044	6.5562	
1440 minute winter	S82	8.001	S83	6.3	0.123	0.090	6.7590	
1440 minute winter	S83	8.002	S84	9.4	0.133	0.132	6.8571	
1440 minute winter	S84	8.003	S86	12.6	0.126	0.177	8.1975	
1440 minute winter	S86	1.006	S30	60.2	0.380	0.847	4.4165	
1440 minute winter	S76	9.000	S77	3.1	0.101	0.044	6.5737	
1440 minute winter	S77	9.001	S78	6.3	0.118	0.088	6.7738	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S78	810	0.082	0.443	9.7	1.4247	0.0000	OK
1440 minute winter	S79	810	0.082	0.464	12.8	1.4654	0.0000	SURCHARGED
1440 minute winter	S30	810	0.081	0.488	73.4	1.2421	0.0000	SURCHARGED
1440 minute winter	S31	810	0.060	0.396	3.6	1.3111	0.0000	OK
1440 minute winter	S32	810	0.060	0.439	6.5	1.3550	0.0000	OK
1440 minute winter	S33	810	0.059	0.482	80.4	1.2279	0.0000	SURCHARGED
1440 minute winter	S34	810	0.034	0.473	82.2	0.8350	0.0000	SURCHARGED
1440 minute winter	S35	810	-0.006	0.460	82.5	0.8124	0.0000	SURCHARGED
1440 minute winter	S36	810	-0.020	0.422	1.4	0.7457	0.0000	OK
1440 minute winter	S37	810	-0.020	0.451	89.5	2.2172	0.0000	SURCHARGED
1440 minute winter	S38	2520	-0.051	0.465	89.3	0.8210	0.0000	SURCHARGED
1440 minute winter	S39	2070	-0.051	0.511	89.2	0.9026	0.0000	SURCHARGED
1440 minute winter	S56	2070	-0.051	0.508	0.3	0.8974	0.0000	SURCHARGED
1440 minute winter	S57	2070	-0.051	0.514	89.1	1.3077	0.0000	SURCHARGED
1440 minute winter	S125	1470	-0.051	0.504	0.7	0.8912	0.0000	SURCHARGED
1440 minute winter	S127	2070	-0.051	0.528	89.0	1.3429	0.0000	SURCHARGED
1440 minute winter	S119	2520	-0.051	0.518	0.4	0.9150	0.0000	SURCHARGED
1440 minute winter	S60	2520	-0.051	0.542	88.8	1.3786	0.0000	SURCHARGED
1440 minute winter	Pond Inlet 1	1440	-0.046	0.564	88.4	0.9972	0.0000	OK
1440 minute winter	Pond Outlet	2190	-0.053	0.557	44.2	0.6297	0.0000	SURCHARGED
1440 minute winter	S13	2190	-0.053	0.585	0.1	2.0260	0.0000	SURCHARGED
1440 minute winter	Final Outfall	30	-0.740	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	PP-S26	780	0.525	0.025	1.0	0.5969	0.0000	OK
1440 minute winter	PP-S25	780	0.520	0.020	0.9	0.3650	0.0000	OK
1440 minute winter	PP-S16	780	0.524	0.024	1.6	0.5713	0.0000	OK
1440 minute winter	PP-S145	750	0.524	0.024	1.9	0.5732	0.0000	OK
1440 minute winter	PP-S4	750	0.526	0.026	1.5	0.6191	0.0000	OK
1440 minute winter	PP-S1	780	0.537	0.037	3.7	9.5758	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S78	9.002	S79	9.5	0.133	0.136	6.8639	
1440 minute winter	S79	9.003	S30	12.6	0.122	0.176	7.6907	
1440 minute winter	S30	1.007	S33	73.4	0.463	1.031	5.0209	
1440 minute winter	S31	10.000	S32	3.4	0.100	0.048	13.1660	
1440 minute winter	S32	10.001	S33	6.2	0.112	0.086	13.6289	
1440 minute winter	S33	1.008	S34	80.4	0.507	1.139	5.1108	
1440 minute winter	S34	1.009	S35	82.2	0.519	1.157	8.5103	
1440 minute winter	S35	1.010	S37	82.4	0.521	1.241	1.7941	
1440 minute winter	S36	11.000	S37	1.3	0.017	0.019	8.9995	
1440 minute winter	S37	1.011	S38	89.3	0.573	1.265	14.2338	
1440 minute winter	S38	1.012	S39	89.2	0.591	1.248	14.3287	
1440 minute winter	S39	1.013	S57	89.1	0.610	1.406	1.1814	
1440 minute winter	S56	12.011	S57	-0.3	-0.009	-0.004	2.0645	
1440 minute winter	S57	1.014	S127	89.0	0.632	1.258	4.4483	
1440 minute winter	S125	21.003	S127	-0.7	-0.079	-0.010	7.8151	
1440 minute winter	S127	1.015	S60	88.8	0.668	1.246	4.3871	
1440 minute winter	S119	22.003	S60	0.5	-0.098	0.007	7.8151	
1440 minute winter	S60	1.016	Pond Inlet 1	88.4	0.738	1.168	4.7280	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	44.2	0.016	0.001	3063.9526	
1440 minute winter	Pond Outlet	1.018	S13	0.1	0.113	0.002	0.4779	
1440 minute winter	S13	Pump	Final Outfall	0.0				0.0
1440 minute winter	PP-S26	1.000_1	S26	1.0	0.418	0.026	0.0240	
1440 minute winter	PP-S25	2.000_1	S25	0.9	0.532	0.016	0.0085	
1440 minute winter	PP-S16	3.000_1	S16	1.6	0.703	0.024	0.0114	
1440 minute winter	PP-S145	4.000_2	S145	1.9	0.864	0.023	0.0110	
1440 minute winter	PP-S4	1.000_2	S4	1.5	0.613	0.026	0.0122	
1440 minute winter	PP-S1	4.000_1	S1	3.6	0.881	0.055	0.0207	

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Results for 100 year +20% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	PP-S5	750	0.527	0.027	2.2	0.7792	0.0000	OK
1440 minute winter	PP-S12	780	0.515	0.015	0.8	0.3353	0.0000	OK
1440 minute winter	PP-S14	810	0.506	0.006	0.1	0.1620	0.0000	OK
1440 minute winter	PP-S2	750	0.518	0.018	1.2	0.7481	0.0000	OK
1440 minute winter	PP-S15	750	0.516	0.016	0.9	0.2528	0.0000	OK
1440 minute winter	PP-S75	750	0.516	0.016	0.9	0.2821	0.0000	OK
1440 minute winter	PP-S24	750	0.523	0.023	2.2	0.6752	0.0000	OK
1440 minute winter	PP-S30	780	0.514	0.014	0.8	0.2398	0.0000	OK
1440 minute winter	PP-S33	750	0.515	0.015	1.0	0.2375	0.0000	OK
1440 minute winter	PP-S34	750	0.520	0.020	1.9	0.5711	0.0000	OK
1440 minute winter	PP-S35	750	0.508	0.008	0.3	0.0897	0.0000	OK
1440 minute winter	PP-S36	750	0.517	0.017	1.4	0.3300	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP-S5	2.000_2	S5	2.2	0.823	0.030	0.0134	
1440 minute winter	PP-S12	8.000_1	S12	0.8	0.703	0.009	0.0057	
1440 minute winter	PP-S14	11.000_1	S14	0.1	0.357	0.001	0.0014	
1440 minute winter	PP-S2	10.000_1	S2	1.2	0.796	0.013	0.0075	
1440 minute winter	PP-S15	12.000_1	S15	0.9	0.746	0.010	0.0060	
1440 minute winter	PP-S75	13.000_1	S75	0.9	0.771	0.009	0.0058	
1440 minute winter	PP-S24	14.000_1	S92	2.2	1.035	0.021	0.0106	
1440 minute winter	PP-S30	18.000_1	S30	0.8	0.808	0.007	0.0050	
1440 minute winter	PP-S33	20.000_1	S33	1.0	0.880	0.009	0.0057	
1440 minute winter	PP-S34	21.000_1	S34	1.9	1.097	0.016	0.0087	
1440 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
1440 minute winter	PP-S36	23.000_2	S36	1.4	1.002	0.012	0.0070	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S26	1140	0.022	0.260	1.0	0.4595	0.0000	OK
2160 minute summer	S25	1140	0.022	0.266	0.8	0.6771	0.0000	OK
2160 minute summer	S16	1140	0.022	0.289	6.8	1.2816	0.0000	OK
2160 minute summer	S145	1140	0.022	0.337	13.3	1.4491	0.0000	OK
2160 minute summer	S4	1140	0.021	0.264	1.3	0.4667	0.0000	OK
2160 minute summer	S5	1140	0.021	0.305	3.1	0.5392	0.0000	OK
2160 minute summer	S9	1140	0.021	0.317	1.1	0.7305	0.0000	OK
2160 minute summer	S10	1140	0.021	0.342	1.0	0.6044	0.0000	OK
2160 minute summer	S11	1140	0.021	0.347	4.3	0.6132	0.0000	OK
2160 minute summer	S12	1140	0.021	0.356	5.2	0.6291	0.0000	OK
2160 minute summer	S1	1140	0.022	0.286	4.5	0.6729	0.0000	OK
2160 minute summer	S3	1140	0.022	0.329	7.3	1.0506	0.0000	OK
2160 minute summer	S2	1140	0.021	0.357	8.1	0.6311	0.0000	OK
2160 minute summer	S14	1140	0.021	0.330	0.4	0.5830	0.0000	OK
2160 minute summer	S15	1140	0.021	0.367	17.0	1.6517	0.0000	OK
2160 minute summer	S75	1140	0.020	0.382	30.1	0.9720	0.0000	OK
2160 minute summer	S87	1140	0.018	0.304	3.0	0.9858	0.0000	OK
2160 minute summer	S88	1140	0.018	0.326	6.0	1.0625	0.0000	OK
2160 minute summer	S89	1140	0.018	0.348	8.9	1.1267	0.0000	OK
2160 minute summer	S90	1140	0.017	0.369	11.7	1.1761	0.0000	OK
2160 minute summer	S92	1140	0.017	0.396	43.2	1.0066	0.0000	OK
2160 minute summer	S81	1140	0.012	0.314	3.0	1.0129	0.0000	OK
2160 minute summer	S82	1140	0.012	0.336	6.0	1.0899	0.0000	OK
2160 minute summer	S83	1140	0.011	0.356	8.9	1.1507	0.0000	OK
2160 minute summer	S84	1140	0.011	0.378	11.7	1.1993	0.0000	OK
2160 minute summer	S86	1140	0.010	0.403	54.5	1.0267	0.0000	OK
2160 minute summer	S76	1140	0.002	0.319	3.0	1.0255	0.0000	OK
2160 minute summer	S77	1140	0.002	0.341	6.0	1.1022	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S26	1.000	S16	0.9	0.043	0.013	5.8785	
2160 minute summer	S25	2.000	S16	0.8	0.036	0.011	4.7508	
2160 minute summer	S16	1.001	S145	6.3	0.123	0.089	11.1146	
2160 minute summer	S145	1.002	S75	12.9	0.125	0.183	12.8117	
2160 minute summer	S4	3.000	S5	1.2	0.078	0.018	8.7344	
2160 minute summer	S5	3.001	S11	3.2	0.076	0.044	10.1614	
2160 minute summer	S9	4.000	S10	1.0	0.039	0.015	6.3286	
2160 minute summer	S10	4.001	S11	1.2	0.015	0.015	1.1327	
2160 minute summer	S11	3.002	S12	4.6	0.048	0.065	2.4100	
2160 minute summer	S12	3.003	S15	5.3	0.045	0.077	3.1729	
2160 minute summer	S1	5.000	S3	4.3	0.103	0.061	9.8154	
2160 minute summer	S3	5.001	S2	7.0	0.093	0.099	7.5050	
2160 minute summer	S2	5.002	S15	7.9	0.068	0.116	2.9471	
2160 minute summer	S14	6.000	S15	-0.3	-0.010	-0.004	9.8517	
2160 minute summer	S15	3.004	S75	17.4	0.125	0.242	4.4168	
2160 minute summer	S75	1.003	S92	30.4	0.211	0.428	4.9025	
2160 minute summer	S87	7.000	S88	2.9	0.090	0.040	5.1379	
2160 minute summer	S88	7.001	S89	5.8	0.116	0.081	5.5180	
2160 minute summer	S89	7.002	S90	8.7	0.108	0.121	5.8710	
2160 minute summer	S90	7.003	S92	11.5	0.085	0.163	7.8213	
2160 minute summer	S92	1.005	S86	43.0	0.289	0.605	4.1391	
2160 minute summer	S81	8.000	S82	2.9	0.087	0.040	5.3111	
2160 minute summer	S82	8.001	S83	5.8	0.107	0.083	5.6733	
2160 minute summer	S83	8.002	S84	8.7	0.091	0.122	6.0066	
2160 minute summer	S84	8.003	S86	11.5	0.083	0.162	7.5543	
2160 minute summer	S86	1.006	S30	54.3	0.361	0.765	4.1927	
2160 minute summer	S76	9.000	S77	2.9	0.087	0.040	5.4020	
2160 minute summer	S77	9.001	S78	5.8	0.096	0.081	5.7658	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S78	1140	0.002	0.363	8.9	1.1658	0.0000	OK
2160 minute summer	S79	1140	0.001	0.383	11.7	1.2111	0.0000	OK
2160 minute summer	S30	1140	0.001	0.408	66.5	1.0377	0.0000	OK
2160 minute summer	S31	1140	-0.015	0.321	3.2	1.0638	0.0000	OK
2160 minute summer	S32	1140	-0.015	0.364	5.8	1.1244	0.0000	OK
2160 minute summer	S33	1140	-0.015	0.408	72.7	1.0380	0.0000	OK
2160 minute summer	S34	1140	-0.035	0.404	74.2	0.7147	0.0000	OK
2160 minute summer	S35	1140	-0.064	0.402	74.4	0.7100	0.0000	OK
2160 minute summer	S36	1200	-0.076	0.366	1.3	0.6475	0.0000	OK
2160 minute summer	S37	1200	-0.076	0.395	80.9	1.9438	0.0000	OK
2160 minute summer	S38	3600	-0.084	0.432	80.6	0.7639	0.0000	OK
2160 minute summer	S39	3060	-0.084	0.478	80.4	0.8453	0.0000	SURCHARGED
2160 minute summer	S56	3060	-0.084	0.475	0.4	0.8400	0.0000	SURCHARGED
2160 minute summer	S57	3060	-0.084	0.481	80.2	1.2251	0.0000	SURCHARGED
2160 minute summer	S125	3420	-0.083	0.472	1.3	0.8336	0.0000	SURCHARGED
2160 minute summer	S127	3060	-0.084	0.495	80.1	1.2606	0.0000	SURCHARGED
2160 minute summer	S119	3240	-0.084	0.485	0.8	0.8574	0.0000	SURCHARGED
2160 minute summer	S60	3240	-0.084	0.509	79.8	1.2961	0.0000	SURCHARGED
2160 minute summer	Pond Inlet 1	2220	-0.080	0.530	79.4	0.9370	0.0000	OK
2160 minute summer	Pond Outlet	2280	-0.085	0.525	39.7	0.5936	0.0000	SURCHARGED
2160 minute summer	S13	2400	-0.085	0.553	0.1	1.9152	0.0000	SURCHARGED
2160 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	PP-S26	1140	0.525	0.025	1.0	0.5969	0.0000	OK
2160 minute summer	PP-S25	1140	0.519	0.019	0.8	0.3266	0.0000	OK
2160 minute summer	PP-S16	1140	0.524	0.024	1.5	0.5370	0.0000	OK
2160 minute summer	PP-S145	1140	0.523	0.023	1.7	0.5160	0.0000	OK
2160 minute summer	PP-S4	1140	0.524	0.024	1.3	0.5411	0.0000	OK
2160 minute summer	PP-S1	1140	0.535	0.035	3.4	9.0086	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S78	9.002	S79	8.7	0.077	0.125	6.0917	
2160 minute summer	S79	9.003	S30	11.5	0.082	0.160	7.1565	
2160 minute summer	S30	1.007	S33	66.4	0.439	0.932	4.7854	
2160 minute summer	S31	10.000	S32	3.0	0.059	0.042	11.1531	
2160 minute summer	S32	10.001	S33	5.5	0.038	0.077	12.4466	
2160 minute summer	S33	1.008	S34	72.5	0.482	1.028	4.8572	
2160 minute summer	S34	1.009	S35	74.1	0.495	1.043	8.0439	
2160 minute summer	S35	1.010	S37	74.3	0.501	1.118	1.6813	
2160 minute summer	S36	11.000	S37	1.2	0.008	0.017	8.2241	
2160 minute summer	S37	1.011	S38	80.6	0.554	1.141	13.6342	
2160 minute summer	S38	1.012	S39	80.4	0.568	1.125	14.2370	
2160 minute summer	S39	1.013	S57	80.2	0.585	1.266	1.1814	
2160 minute summer	S56	12.011	S57	0.5	-0.004	0.008	2.0645	
2160 minute summer	S57	1.014	S127	80.1	0.604	1.132	4.4483	
2160 minute summer	S125	21.003	S127	-1.3	-0.016	-0.019	7.8151	
2160 minute summer	S127	1.015	S60	79.8	0.631	1.120	4.3871	
2160 minute summer	S119	22.003	S60	1.4	-0.029	0.020	7.8151	
2160 minute summer	S60	1.016	Pond Inlet 1	79.4	0.681	1.049	4.7280	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	39.7	0.011	0.001	2873.1760	
2160 minute summer	Pond Outlet	1.018	S13	0.1	0.003	0.001	0.4779	
2160 minute summer	S13	Pump	Final Outfall	0.0				0.0
2160 minute summer	PP-S26	1.000_1	S26	1.0	0.418	0.026	0.0239	
2160 minute summer	PP-S25	2.000_1	S25	0.8	0.512	0.014	0.0078	
2160 minute summer	PP-S16	3.000_1	S16	1.5	0.690	0.022	0.0109	
2160 minute summer	PP-S145	4.000_2	S145	1.7	0.837	0.020	0.0102	
2160 minute summer	PP-S4	1.000_2	S4	1.3	0.587	0.023	0.0111	
2160 minute summer	PP-S1	4.000_1	S1	3.3	0.860	0.050	0.0194	

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Results for 100 year +20% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	PP-S5	1140	0.526	0.026	2.0	0.7134	0.0000	OK
2160 minute summer	PP-S12	1140	0.514	0.014	0.7	0.2962	0.0000	OK
2160 minute summer	PP-S14	1140	0.506	0.006	0.1	0.1581	0.0000	OK
2160 minute summer	PP-S2	1140	0.518	0.018	1.1	0.6904	0.0000	OK
2160 minute summer	PP-S15	1140	0.515	0.015	0.8	0.2283	0.0000	OK
2160 minute summer	PP-S75	1140	0.515	0.015	0.8	0.2542	0.0000	OK
2160 minute summer	PP-S24	1140	0.522	0.022	2.0	0.6172	0.0000	OK
2160 minute summer	PP-S30	1140	0.513	0.013	0.7	0.2113	0.0000	OK
2160 minute summer	PP-S33	1140	0.515	0.015	0.9	0.2159	0.0000	OK
2160 minute summer	PP-S34	1140	0.519	0.019	1.7	0.5150	0.0000	OK
2160 minute summer	PP-S35	1140	0.508	0.008	0.3	0.0897	0.0000	OK
2160 minute summer	PP-S36	1140	0.517	0.017	1.3	0.3087	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	PP-S5	2.000_2	S5	2.0	0.801	0.027	0.0125	
2160 minute summer	PP-S12	8.000_1	S12	0.7	0.675	0.008	0.0052	
2160 minute summer	PP-S14	11.000_1	S14	0.1	0.354	0.001	0.0014	
2160 minute summer	PP-S2	10.000_1	S2	1.1	0.775	0.012	0.0071	
2160 minute summer	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
2160 minute summer	PP-S75	13.000_1	S75	0.8	0.744	0.008	0.0054	
2160 minute summer	PP-S24	14.000_1	S92	2.0	1.006	0.019	0.0099	
2160 minute summer	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
2160 minute summer	PP-S33	20.000_1	S33	0.9	0.853	0.008	0.0053	
2160 minute summer	PP-S34	21.000_1	S34	1.7	1.060	0.014	0.0080	
2160 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
2160 minute summer	PP-S36	23.000_2	S36	1.3	0.980	0.011	0.0066	

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Results for 100 year +20% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S26	2100	-0.032	0.206	0.7	0.3647	0.0000	OK
2160 minute winter	S25	2100	-0.032	0.212	0.6	0.5406	0.0000	OK
2160 minute winter	S16	2100	-0.032	0.235	5.2	1.0439	0.0000	OK
2160 minute winter	S145	2100	-0.032	0.283	10.5	1.2203	0.0000	OK
2160 minute winter	S4	2100	-0.032	0.211	1.0	0.3735	0.0000	OK
2160 minute winter	S5	2100	-0.032	0.252	2.4	0.4461	0.0000	OK
2160 minute winter	S9	2100	-0.031	0.265	0.8	0.6098	0.0000	OK
2160 minute winter	S10	2100	-0.032	0.289	0.8	0.5113	0.0000	OK
2160 minute winter	S11	2100	-0.032	0.294	3.2	0.5201	0.0000	OK
2160 minute winter	S12	2100	-0.032	0.303	3.7	0.5361	0.0000	OK
2160 minute winter	S1	2100	-0.032	0.232	3.5	0.5474	0.0000	OK
2160 minute winter	S3	2100	-0.032	0.275	5.7	0.8806	0.0000	OK
2160 minute winter	S2	2100	-0.031	0.305	6.4	0.5381	0.0000	OK
2160 minute winter	S14	2100	-0.031	0.278	0.1	0.4903	0.0000	OK
2160 minute winter	S15	2100	-0.032	0.314	13.7	1.4154	0.0000	OK
2160 minute winter	S75	2100	-0.032	0.330	24.5	0.8407	0.0000	OK
2160 minute winter	S87	2100	-0.032	0.254	2.3	0.8247	0.0000	OK
2160 minute winter	S88	2100	-0.031	0.277	4.7	0.9018	0.0000	OK
2160 minute winter	S89	2100	-0.032	0.298	7.0	0.9671	0.0000	OK
2160 minute winter	S90	2100	-0.032	0.320	9.2	1.0196	0.0000	OK
2160 minute winter	S92	2100	-0.032	0.347	34.9	0.8837	0.0000	OK
2160 minute winter	S81	2100	-0.032	0.270	2.3	0.8734	0.0000	OK
2160 minute winter	S82	2100	-0.032	0.292	4.7	0.9488	0.0000	OK
2160 minute winter	S83	2100	-0.032	0.313	7.0	1.0106	0.0000	OK
2160 minute winter	S84	2100	-0.032	0.335	9.2	1.0636	0.0000	OK
2160 minute winter	S86	2100	-0.032	0.361	44.0	0.9195	0.0000	OK
2160 minute winter	S76	2100	-0.032	0.285	2.3	0.9175	0.0000	OK
2160 minute winter	S77	2100	-0.032	0.307	4.7	0.9929	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S26	1.000	S16	0.7	0.043	0.010	4.4948	
2160 minute winter	S25	2.000	S16	0.6	0.035	0.009	3.6478	
2160 minute winter	S16	1.001	S145	5.2	0.125	0.073	8.9512	
2160 minute winter	S145	1.002	S75	10.3	0.130	0.146	10.8832	
2160 minute winter	S4	3.000	S5	1.0	0.075	0.014	6.8111	
2160 minute winter	S5	3.001	S11	2.4	0.095	0.034	8.3299	
2160 minute winter	S9	4.000	S10	0.8	0.062	0.011	5.2084	
2160 minute winter	S10	4.001	S11	0.8	0.016	0.011	0.9460	
2160 minute winter	S11	3.002	S12	3.2	0.048	0.046	2.0272	
2160 minute winter	S12	3.003	S15	3.7	0.045	0.054	2.6969	
2160 minute winter	S1	5.000	S3	3.4	0.104	0.048	7.8570	
2160 minute winter	S3	5.001	S2	5.6	0.104	0.079	6.2553	
2160 minute winter	S2	5.002	S15	6.3	0.069	0.093	2.5065	
2160 minute winter	S14	6.000	S15	-0.1	-0.021	-0.002	8.2746	
2160 minute winter	S15	3.004	S75	13.6	0.123	0.191	3.8086	
2160 minute winter	S75	1.003	S92	24.5	0.199	0.344	4.3122	
2160 minute winter	S87	7.000	S88	2.3	0.095	0.032	4.2188	
2160 minute winter	S88	7.001	S89	4.6	0.120	0.064	4.6369	
2160 minute winter	S89	7.002	S90	6.9	0.131	0.097	5.0373	
2160 minute winter	S90	7.003	S92	9.1	0.094	0.130	6.8689	
2160 minute winter	S92	1.005	S86	34.8	0.277	0.490	3.7247	
2160 minute winter	S81	8.000	S82	2.3	0.088	0.032	4.5220	
2160 minute winter	S82	8.001	S83	4.6	0.119	0.066	4.9174	
2160 minute winter	S83	8.002	S84	6.9	0.118	0.097	5.3026	
2160 minute winter	S84	8.003	S86	9.1	0.079	0.129	6.8060	
2160 minute winter	S86	1.006	S30	43.9	0.341	0.619	3.8693	
2160 minute winter	S76	9.000	S77	2.3	0.088	0.032	4.8004	
2160 minute winter	S77	9.001	S78	4.6	0.116	0.064	5.1956	

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Results for 100 year +20% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S78	2100	-0.032	0.329	7.0	1.0576	0.0000	OK
2160 minute winter	S79	2100	-0.032	0.350	9.2	1.1060	0.0000	OK
2160 minute winter	S30	2100	-0.032	0.375	53.7	0.9548	0.0000	OK
2160 minute winter	S31	2100	-0.032	0.304	2.5	1.0067	0.0000	OK
2160 minute winter	S32	2100	-0.032	0.347	4.6	1.0715	0.0000	OK
2160 minute winter	S33	2100	-0.032	0.391	58.8	0.9950	0.0000	OK
2160 minute winter	S34	2100	-0.033	0.406	60.0	0.7182	0.0000	OK
2160 minute winter	S35	2100	-0.033	0.433	60.1	0.7660	0.0000	OK
2160 minute winter	S36	2100	-0.034	0.408	1.0	0.7208	0.0000	OK
2160 minute winter	S37	2100	-0.033	0.438	65.2	2.1546	0.0000	OK
2160 minute winter	S38	2100	-0.033	0.483	65.0	0.8532	0.0000	SURCHARGED
2160 minute winter	S39	2040	-0.033	0.529	64.8	0.9355	0.0000	SURCHARGED
2160 minute winter	S56	2040	-0.032	0.527	0.1	0.9305	0.0000	SURCHARGED
2160 minute winter	S57	2100	-0.032	0.533	64.7	1.3552	0.0000	SURCHARGED
2160 minute winter	S125	2100	-0.031	0.524	0.2	0.9266	0.0000	SURCHARGED
2160 minute winter	S127	2100	-0.030	0.549	64.6	1.3962	0.0000	SURCHARGED
2160 minute winter	S119	2100	-0.029	0.540	0.2	0.9539	0.0000	SURCHARGED
2160 minute winter	S60	2100	-0.031	0.562	64.3	1.4308	0.0000	SURCHARGED
2160 minute winter	Pond Inlet 1	2220	-0.031	0.579	64.0	1.0236	0.0000	OK
2160 minute winter	Pond Outlet	2160	-0.036	0.574	32.0	0.6495	0.0000	SURCHARGED
2160 minute winter	S13	2160	-0.036	0.602	5.7	2.0851	0.0000	SURCHARGED
2160 minute winter	Final Outfall	60	-0.740	0.000	5.7	0.0000	0.0000	OK
2160 minute winter	PP-S26	1140	0.521	0.021	0.7	0.4268	0.0000	OK
2160 minute winter	PP-S25	1140	0.516	0.016	0.6	0.2511	0.0000	OK
2160 minute winter	PP-S16	1080	0.520	0.020	1.1	0.4026	0.0000	OK
2160 minute winter	PP-S145	1140	0.520	0.020	1.3	0.4037	0.0000	OK
2160 minute winter	PP-S4	1140	0.521	0.021	1.0	0.4231	0.0000	OK
2160 minute winter	PP-S1	1140	0.531	0.031	2.6	7.5059	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S78	9.002	S79	6.9	0.102	0.099	5.5658	
2160 minute winter	S79	9.003	S30	9.1	0.075	0.127	6.6391	
2160 minute winter	S30	1.007	S33	53.6	0.412	0.753	4.5545	
2160 minute winter	S31	10.000	S32	2.4	0.082	0.034	10.5765	
2160 minute winter	S32	10.001	S33	4.5	0.038	0.063	11.9704	
2160 minute winter	S33	1.008	S34	58.7	0.450	0.831	4.7884	
2160 minute winter	S34	1.009	S35	59.9	0.458	0.843	8.2527	
2160 minute winter	S35	1.010	S37	60.0	0.462	0.903	1.7781	
2160 minute winter	S36	11.000	S37	0.9	0.008	0.013	8.8735	
2160 minute winter	S37	1.011	S38	65.0	0.507	0.920	14.2785	
2160 minute winter	S38	1.012	S39	64.8	0.510	0.908	14.3287	
2160 minute winter	S39	1.013	S57	64.7	0.518	1.021	1.1814	
2160 minute winter	S56	12.011	S57	0.2	-0.015	0.003	2.0645	
2160 minute winter	S57	1.014	S127	64.6	0.537	0.913	4.4483	
2160 minute winter	S125	21.003	S127	0.4	-0.059	0.005	7.8151	
2160 minute winter	S127	1.015	S60	64.3	0.560	0.903	4.3871	
2160 minute winter	S119	22.003	S60	0.2	-0.003	0.003	7.8151	
2160 minute winter	S60	1.016	Pond Inlet 1	64.0	0.613	0.846	4.7280	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	32.0	0.013	0.001	3168.3650	
2160 minute winter	Pond Outlet	1.018	S13	5.7	0.081	0.080	0.4779	
2160 minute winter	S13	Pump	Final Outfall	5.7				468.9
2160 minute winter	PP-S26	1.000_1	S26	0.7	0.376	0.018	0.0186	
2160 minute winter	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
2160 minute winter	PP-S16	3.000_1	S16	1.1	0.631	0.016	0.0087	
2160 minute winter	PP-S145	4.000_2	S145	1.3	0.775	0.015	0.0084	
2160 minute winter	PP-S4	1.000_2	S4	1.0	0.544	0.018	0.0092	
2160 minute winter	PP-S1	4.000_1	S1	2.6	0.798	0.039	0.0161	

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Results for 100 year +20% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	PP-S5	1140	0.523	0.023	1.5	0.5450	0.0000	OK
2160 minute winter	PP-S12	1140	0.513	0.013	0.6	0.2555	0.0000	OK
2160 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S2	1140	0.515	0.015	0.8	0.5182	0.0000	OK
2160 minute winter	PP-S15	1080	0.513	0.013	0.6	0.1740	0.0000	OK
2160 minute winter	PP-S75	1080	0.513	0.013	0.6	0.1933	0.0000	OK
2160 minute winter	PP-S24	1140	0.519	0.019	1.5	0.4739	0.0000	OK
2160 minute winter	PP-S30	1140	0.512	0.012	0.6	0.1832	0.0000	OK
2160 minute winter	PP-S33	1140	0.513	0.013	0.7	0.1703	0.0000	OK
2160 minute winter	PP-S34	1140	0.517	0.017	1.3	0.4027	0.0000	OK
2160 minute winter	PP-S35	1080	0.507	0.007	0.2	0.0626	0.0000	OK
2160 minute winter	PP-S36	1140	0.515	0.015	1.0	0.2459	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	PP-S5	2.000_2	S5	1.5	0.736	0.020	0.0102	
2160 minute winter	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
2160 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute winter	PP-S2	10.000_1	S2	0.8	0.704	0.009	0.0057	
2160 minute winter	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0046	
2160 minute winter	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
2160 minute winter	PP-S24	14.000_1	S92	1.5	0.925	0.015	0.0081	
2160 minute winter	PP-S30	18.000_1	S30	0.6	0.741	0.005	0.0041	
2160 minute winter	PP-S33	20.000_1	S33	0.7	0.790	0.006	0.0044	
2160 minute winter	PP-S34	21.000_1	S34	1.3	0.976	0.011	0.0067	
2160 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2160 minute winter	PP-S36	23.000_2	S36	1.0	0.906	0.008	0.0055	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S26	1500	-0.042	0.196	0.8	0.3471	0.0000	OK
2880 minute summer	S25	1500	-0.042	0.202	0.7	0.5151	0.0000	OK
2880 minute summer	S16	1500	-0.042	0.225	5.6	0.9994	0.0000	OK
2880 minute summer	S145	1500	-0.042	0.273	10.9	1.1743	0.0000	OK
2880 minute summer	S4	1500	-0.043	0.200	1.1	0.3539	0.0000	OK
2880 minute summer	S5	1500	-0.043	0.241	2.6	0.4263	0.0000	OK
2880 minute summer	S9	1500	-0.043	0.253	0.9	0.5833	0.0000	OK
2880 minute summer	S10	1500	-0.043	0.278	0.8	0.4915	0.0000	OK
2880 minute summer	S11	1500	-0.043	0.283	3.4	0.5004	0.0000	OK
2880 minute summer	S12	1500	-0.043	0.292	4.0	0.5162	0.0000	OK
2880 minute summer	S1	1500	-0.042	0.222	3.5	0.5226	0.0000	OK
2880 minute summer	S3	1500	-0.042	0.265	5.8	0.8463	0.0000	OK
2880 minute summer	S2	1500	-0.043	0.293	6.4	0.5182	0.0000	OK
2880 minute summer	S14	1500	-0.043	0.266	0.2	0.4701	0.0000	OK
2880 minute summer	S15	1500	-0.043	0.303	13.9	1.3641	0.0000	OK
2880 minute summer	S75	1500	-0.044	0.318	24.8	0.8094	0.0000	OK
2880 minute summer	S87	1500	-0.046	0.240	2.4	0.7791	0.0000	OK
2880 minute summer	S88	1500	-0.046	0.262	4.8	0.8547	0.0000	OK
2880 minute summer	S89	1500	-0.046	0.284	7.2	0.9200	0.0000	OK
2880 minute summer	S90	1500	-0.047	0.305	9.5	0.9729	0.0000	OK
2880 minute summer	S92	1500	-0.047	0.332	35.6	0.8444	0.0000	OK
2880 minute summer	S81	1500	-0.052	0.250	2.4	0.8087	0.0000	OK
2880 minute summer	S82	1500	-0.052	0.272	4.8	0.8845	0.0000	OK
2880 minute summer	S83	1500	-0.052	0.293	7.2	0.9465	0.0000	OK
2880 minute summer	S84	1500	-0.052	0.315	9.5	0.9986	0.0000	OK
2880 minute summer	S86	1500	-0.053	0.340	44.8	0.8658	0.0000	OK
2880 minute summer	S76	1500	-0.060	0.257	2.4	0.8255	0.0000	OK
2880 minute summer	S77	1500	-0.060	0.279	4.8	0.9011	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S26	1.000	S16	0.7	0.046	0.010	4.2347	
2880 minute summer	S25	2.000	S16	0.6	0.039	0.009	3.4399	
2880 minute summer	S16	1.001	S145	5.3	0.120	0.074	8.5176	
2880 minute summer	S145	1.002	S75	10.6	0.122	0.151	10.4286	
2880 minute summer	S4	3.000	S5	1.0	0.075	0.015	6.4002	
2880 minute summer	S5	3.001	S11	2.5	0.071	0.036	7.9252	
2880 minute summer	S9	4.000	S10	0.8	0.054	0.012	4.9555	
2880 minute summer	S10	4.001	S11	0.8	0.023	0.011	0.9041	
2880 minute summer	S11	3.002	S12	3.5	0.055	0.050	1.9403	
2880 minute summer	S12	3.003	S15	4.1	0.051	0.059	2.5860	
2880 minute summer	S1	5.000	S3	3.4	0.107	0.048	7.4536	
2880 minute summer	S3	5.001	S2	5.6	0.094	0.080	5.9797	
2880 minute summer	S2	5.002	S15	6.3	0.069	0.093	2.4036	
2880 minute summer	S14	6.000	S15	-0.2	-0.010	-0.003	7.9083	
2880 minute summer	S15	3.004	S75	14.0	0.121	0.196	3.6565	
2880 minute summer	S75	1.003	S92	24.6	0.202	0.346	4.1281	
2880 minute summer	S87	7.000	S88	2.3	0.091	0.033	3.9445	
2880 minute summer	S88	7.001	S89	4.7	0.108	0.066	4.3635	
2880 minute summer	S89	7.002	S90	7.1	0.107	0.099	4.7708	
2880 minute summer	S90	7.003	S92	9.4	0.082	0.133	6.5409	
2880 minute summer	S92	1.005	S86	35.4	0.279	0.498	3.5327	
2880 minute summer	S81	8.000	S82	2.3	0.085	0.033	4.1430	
2880 minute summer	S82	8.001	S83	4.7	0.105	0.068	4.5493	
2880 minute summer	S83	8.002	S84	7.1	0.092	0.099	4.9424	
2880 minute summer	S84	8.003	S86	9.4	0.079	0.132	6.3908	
2880 minute summer	S86	1.006	S30	44.6	0.344	0.629	3.6131	
2880 minute summer	S76	9.000	S77	2.3	0.080	0.033	4.2640	
2880 minute summer	S77	9.001	S78	4.7	0.099	0.066	4.6771	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S78	1500	-0.060	0.301	7.2	0.9659	0.0000	OK
2880 minute summer	S79	1500	-0.061	0.321	9.5	1.0146	0.0000	OK
2880 minute summer	S30	1500	-0.061	0.346	54.6	0.8796	0.0000	OK
2880 minute summer	S31	3780	-0.065	0.271	2.6	0.8965	0.0000	OK
2880 minute summer	S32	3660	-0.065	0.314	4.8	0.9685	0.0000	OK
2880 minute summer	S33	4020	-0.065	0.358	59.7	0.9100	0.0000	OK
2880 minute summer	S34	2940	-0.065	0.374	61.0	0.6603	0.0000	OK
2880 minute summer	S35	4020	-0.065	0.401	61.1	0.7078	0.0000	OK
2880 minute summer	S36	2940	-0.065	0.377	1.0	0.6658	0.0000	OK
2880 minute summer	S37	4020	-0.065	0.406	66.2	1.9939	0.0000	OK
2880 minute summer	S38	2940	-0.065	0.451	66.0	0.7974	0.0000	SURCHARGED
2880 minute summer	S39	2940	-0.065	0.497	65.8	0.8781	0.0000	SURCHARGED
2880 minute summer	S56	3480	-0.065	0.494	0.3	0.8726	0.0000	SURCHARGED
2880 minute summer	S57	2940	-0.065	0.500	65.6	1.2723	0.0000	SURCHARGED
2880 minute summer	S125	3900	-0.065	0.490	1.2	0.8659	0.0000	SURCHARGED
2880 minute summer	S127	2940	-0.065	0.514	65.5	1.3086	0.0000	SURCHARGED
2880 minute summer	S119	4080	-0.065	0.504	0.7	0.8903	0.0000	SURCHARGED
2880 minute summer	S60	2940	-0.065	0.528	65.2	1.3436	0.0000	SURCHARGED
2880 minute summer	Pond Inlet 1	2880	-0.061	0.549	64.9	0.9701	0.0000	OK
2880 minute summer	Pond Outlet	3000	-0.067	0.543	32.4	0.6142	0.0000	SURCHARGED
2880 minute summer	S13	3060	-0.067	0.571	0.1	1.9783	0.0000	SURCHARGED
2880 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S26	1500	0.523	0.023	0.8	0.4834	0.0000	OK
2880 minute summer	PP-S25	1500	0.518	0.018	0.7	0.2886	0.0000	OK
2880 minute summer	PP-S16	1500	0.521	0.021	1.2	0.4357	0.0000	OK
2880 minute summer	PP-S145	1500	0.521	0.021	1.4	0.4316	0.0000	OK
2880 minute summer	PP-S4	1500	0.522	0.022	1.1	0.4620	0.0000	OK
2880 minute summer	PP-S1	1500	0.531	0.031	2.7	7.6502	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S78	9.002	S79	7.1	0.078	0.102	5.0662	
2880 minute summer	S79	9.003	S30	9.4	0.078	0.130	6.1089	
2880 minute summer	S30	1.007	S33	54.5	0.416	0.765	4.1856	
2880 minute summer	S31	10.000	S32	2.5	0.062	0.035	9.3857	
2880 minute summer	S32	10.001	S33	4.6	0.038	0.064	10.9177	
2880 minute summer	S33	1.008	S34	59.6	0.454	0.844	4.4474	
2880 minute summer	S34	1.009	S35	60.9	0.463	0.857	7.7806	
2880 minute summer	S35	1.010	S37	61.0	0.466	0.918	1.6961	
2880 minute summer	S36	11.000	S37	0.9	0.008	0.013	8.4067	
2880 minute summer	S37	1.011	S38	66.0	0.511	0.934	13.9622	
2880 minute summer	S38	1.012	S39	65.8	0.513	0.920	14.3246	
2880 minute summer	S39	1.013	S57	65.6	0.520	1.036	1.1814	
2880 minute summer	S56	12.011	S57	0.3	-0.006	0.005	2.0645	
2880 minute summer	S57	1.014	S127	65.5	0.535	0.926	4.4483	
2880 minute summer	S125	21.003	S127	-1.2	-0.048	-0.018	7.8151	
2880 minute summer	S127	1.015	S60	65.2	0.553	0.915	4.3871	
2880 minute summer	S119	22.003	S60	-0.7	-0.093	-0.011	7.8151	
2880 minute summer	S60	1.016	Pond Inlet 1	64.9	0.578	0.857	4.7280	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	32.4	0.011	0.001	2981.9583	
2880 minute summer	Pond Outlet	1.018	S13	0.1	0.082	0.001	0.4779	
2880 minute summer	S13	Pump	Final Outfall	0.0				0.0
2880 minute summer	PP-S26	1.000_1	S26	0.8	0.391	0.021	0.0205	
2880 minute summer	PP-S25	2.000_1	S25	0.7	0.491	0.012	0.0071	
2880 minute summer	PP-S16	3.000_1	S16	1.2	0.646	0.018	0.0093	
2880 minute summer	PP-S145	4.000_2	S145	1.4	0.791	0.017	0.0088	
2880 minute summer	PP-S4	1.000_2	S4	1.1	0.559	0.019	0.0098	
2880 minute summer	PP-S1	4.000_1	S1	2.6	0.804	0.040	0.0165	

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Results for 100 year +20% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP-S5	1500	0.523	0.023	1.6	0.5790	0.0000	OK
2880 minute summer	PP-S12	1500	0.513	0.013	0.6	0.2555	0.0000	OK
2880 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S2	1500	0.515	0.015	0.8	0.5182	0.0000	OK
2880 minute summer	PP-S15	1500	0.514	0.014	0.7	0.2013	0.0000	OK
2880 minute summer	PP-S75	1500	0.513	0.013	0.6	0.1933	0.0000	OK
2880 minute summer	PP-S24	1500	0.520	0.020	1.6	0.5033	0.0000	OK
2880 minute summer	PP-S30	1500	0.512	0.012	0.6	0.1832	0.0000	OK
2880 minute summer	PP-S33	1500	0.513	0.013	0.7	0.1703	0.0000	OK
2880 minute summer	PP-S34	1500	0.518	0.018	1.4	0.4305	0.0000	OK
2880 minute summer	PP-S35	1500	0.507	0.007	0.2	0.0626	0.0000	OK
2880 minute summer	PP-S36	1500	0.515	0.015	1.0	0.2459	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP-S5	2.000_2	S5	1.6	0.750	0.022	0.0107	
2880 minute summer	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
2880 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute summer	PP-S2	10.000_1	S2	0.8	0.704	0.009	0.0057	
2880 minute summer	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
2880 minute summer	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
2880 minute summer	PP-S24	14.000_1	S92	1.6	0.945	0.016	0.0085	
2880 minute summer	PP-S30	18.000_1	S30	0.6	0.741	0.005	0.0041	
2880 minute summer	PP-S33	20.000_1	S33	0.7	0.790	0.006	0.0044	
2880 minute summer	PP-S34	21.000_1	S34	1.4	0.998	0.012	0.0070	
2880 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2880 minute summer	PP-S36	23.000_2	S36	1.0	0.906	0.008	0.0055	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S26	2760	-0.026	0.212	0.6	0.3739	0.0000	OK
2880 minute winter	S25	2760	-0.026	0.218	0.5	0.5538	0.0000	OK
2880 minute winter	S16	2760	-0.026	0.241	4.2	1.0669	0.0000	OK
2880 minute winter	S145	2760	-0.026	0.289	8.3	1.2426	0.0000	OK
2880 minute winter	S4	2760	-0.026	0.217	0.8	0.3827	0.0000	OK
2880 minute winter	S5	2760	-0.026	0.258	2.0	0.4551	0.0000	OK
2880 minute winter	S9	2760	-0.026	0.270	0.7	0.6212	0.0000	OK
2880 minute winter	S10	2760	-0.026	0.295	0.7	0.5207	0.0000	OK
2880 minute winter	S11	2760	-0.026	0.300	2.5	0.5296	0.0000	OK
2880 minute winter	S12	2760	-0.026	0.309	2.9	0.5454	0.0000	OK
2880 minute winter	S1	2760	-0.026	0.238	2.7	0.5595	0.0000	OK
2880 minute winter	S3	2760	-0.026	0.281	4.4	0.8976	0.0000	OK
2880 minute winter	S2	2760	-0.026	0.310	5.0	0.5469	0.0000	OK
2880 minute winter	S14	2760	-0.026	0.283	0.1	0.4993	0.0000	OK
2880 minute winter	S15	2760	-0.026	0.320	10.8	1.4385	0.0000	OK
2880 minute winter	S75	2760	-0.026	0.336	19.4	0.8541	0.0000	OK
2880 minute winter	S87	2760	-0.026	0.260	1.8	0.8419	0.0000	OK
2880 minute winter	S88	2760	-0.026	0.282	3.7	0.9186	0.0000	OK
2880 minute winter	S89	2760	-0.026	0.304	5.5	0.9841	0.0000	OK
2880 minute winter	S90	2760	-0.027	0.325	7.3	1.0367	0.0000	OK
2880 minute winter	S92	2760	-0.026	0.353	27.7	0.8972	0.0000	OK
2880 minute winter	S81	2760	-0.026	0.276	1.8	0.8899	0.0000	OK
2880 minute winter	S82	2760	-0.027	0.297	3.7	0.9659	0.0000	OK
2880 minute winter	S83	2760	-0.027	0.318	5.5	1.0279	0.0000	OK
2880 minute winter	S84	2760	-0.026	0.341	7.3	1.0802	0.0000	OK
2880 minute winter	S86	2760	-0.026	0.367	34.9	0.9327	0.0000	OK
2880 minute winter	S76	2760	-0.027	0.290	1.8	0.9337	0.0000	OK
2880 minute winter	S77	2760	-0.027	0.312	3.7	1.0099	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S26	1.000	S16	0.6	0.046	0.008	4.6299	
2880 minute winter	S25	2.000	S16	0.5	0.038	0.007	3.7555	
2880 minute winter	S16	1.001	S145	4.1	0.119	0.058	9.1670	
2880 minute winter	S145	1.002	S75	8.2	0.120	0.117	11.0876	
2880 minute winter	S4	3.000	S5	0.8	0.078	0.011	7.0013	
2880 minute winter	S5	3.001	S11	1.9	0.087	0.026	8.5190	
2880 minute winter	S9	4.000	S10	0.7	0.081	0.010	5.3224	
2880 minute winter	S10	4.001	S11	0.6	0.068	0.008	0.9659	
2880 minute winter	S11	3.002	S12	2.5	0.074	0.035	2.0682	
2880 minute winter	S12	3.003	S15	2.9	0.045	0.042	2.7471	
2880 minute winter	S1	5.000	S3	2.6	0.106	0.037	8.0537	
2880 minute winter	S3	5.001	S2	4.4	0.107	0.062	6.3827	
2880 minute winter	S2	5.002	S15	4.9	0.101	0.072	2.5516	
2880 minute winter	S14	6.000	S15	-0.1	-0.009	-0.001	8.4351	
2880 minute winter	S15	3.004	S75	10.7	0.118	0.149	3.8741	
2880 minute winter	S75	1.003	S92	19.3	0.195	0.271	4.3803	
2880 minute winter	S87	7.000	S88	1.8	0.088	0.025	4.3187	
2880 minute winter	S88	7.001	S89	3.6	0.119	0.051	4.7336	
2880 minute winter	S89	7.002	S90	5.5	0.125	0.077	5.1325	
2880 minute winter	S90	7.003	S92	7.2	0.107	0.102	6.9816	
2880 minute winter	S92	1.005	S86	27.6	0.266	0.389	3.7778	
2880 minute winter	S81	8.000	S82	1.8	0.087	0.025	4.6192	
2880 minute winter	S82	8.001	S83	3.6	0.110	0.052	5.0140	
2880 minute winter	S83	8.002	S84	5.5	0.122	0.077	5.3943	
2880 minute winter	S84	8.003	S86	7.2	0.087	0.102	6.9062	
2880 minute winter	S86	1.006	S30	34.8	0.325	0.490	3.9189	
2880 minute winter	S76	9.000	S77	1.8	0.088	0.025	4.8943	
2880 minute winter	S77	9.001	S78	3.6	0.105	0.051	5.2880	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S78	2760	-0.027	0.334	5.5	1.0746	0.0000	OK
2880 minute winter	S79	2760	-0.027	0.355	7.3	1.1225	0.0000	OK
2880 minute winter	S30	2760	-0.027	0.380	42.4	0.9682	0.0000	OK
2880 minute winter	S31	2760	-0.027	0.309	2.0	1.0243	0.0000	OK
2880 minute winter	S32	2760	-0.027	0.352	3.6	1.0876	0.0000	OK
2880 minute winter	S33	2760	-0.027	0.396	46.4	1.0081	0.0000	OK
2880 minute winter	S34	2760	-0.027	0.412	47.3	0.7278	0.0000	OK
2880 minute winter	S35	2760	-0.027	0.439	47.4	0.7753	0.0000	OK
2880 minute winter	S36	2760	-0.027	0.415	0.8	0.7326	0.0000	OK
2880 minute winter	S37	2760	-0.027	0.444	51.3	2.1811	0.0000	OK
2880 minute winter	S38	2760	-0.028	0.488	51.2	0.8628	0.0000	SURCHARGED
2880 minute winter	S39	2820	-0.028	0.534	51.0	0.9431	0.0000	SURCHARGED
2880 minute winter	S56	2820	-0.028	0.531	0.5	0.9382	0.0000	SURCHARGED
2880 minute winter	S57	2820	-0.028	0.537	50.9	1.3658	0.0000	SURCHARGED
2880 minute winter	S125	2820	-0.028	0.527	0.5	0.9315	0.0000	SURCHARGED
2880 minute winter	S127	2760	-0.029	0.550	50.7	1.4001	0.0000	SURCHARGED
2880 minute winter	S119	2820	-0.029	0.540	1.2	0.9537	0.0000	SURCHARGED
2880 minute winter	S60	2760	-0.028	0.565	50.5	1.4371	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	-0.022	0.588	50.2	1.0398	0.0000	OK
2880 minute winter	Pond Outlet	2820	-0.030	0.580	25.1	0.6560	0.0000	SURCHARGED
2880 minute winter	S13	2820	-0.030	0.608	5.8	2.1049	0.0000	SURCHARGED
2880 minute winter	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
2880 minute winter	PP-S26	1500	0.520	0.020	0.6	0.3708	0.0000	OK
2880 minute winter	PP-S25	1500	0.515	0.015	0.5	0.2142	0.0000	OK
2880 minute winter	PP-S16	1500	0.519	0.019	0.9	0.3347	0.0000	OK
2880 minute winter	PP-S145	1440	0.518	0.018	1.0	0.3175	0.0000	OK
2880 minute winter	PP-S4	1500	0.519	0.019	0.8	0.3446	0.0000	OK
2880 minute winter	PP-S1	1500	0.527	0.027	2.0	6.1814	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S78	9.002	S79	5.5	0.113	0.078	5.6530	
2880 minute winter	S79	9.003	S30	7.2	0.074	0.100	6.7274	
2880 minute winter	S30	1.007	S33	42.3	0.388	0.595	4.6063	
2880 minute winter	S31	10.000	S32	1.9	0.079	0.027	10.7565	
2880 minute winter	S32	10.001	S33	3.5	0.051	0.049	12.1214	
2880 minute winter	S33	1.008	S34	46.3	0.421	0.656	4.8357	
2880 minute winter	S34	1.009	S35	47.2	0.425	0.665	8.3102	
2880 minute winter	S35	1.010	S37	47.4	0.426	0.713	1.7862	
2880 minute winter	S36	11.000	S37	0.8	0.008	0.011	8.9413	
2880 minute winter	S37	1.011	S38	51.2	0.463	0.724	14.3087	
2880 minute winter	S38	1.012	S39	51.0	0.456	0.714	14.3287	
2880 minute winter	S39	1.013	S57	50.9	0.458	0.803	1.1814	
2880 minute winter	S56	12.011	S57	-0.5	-0.101	-0.007	2.0645	
2880 minute winter	S57	1.014	S127	50.7	0.471	0.717	4.4483	
2880 minute winter	S125	21.003	S127	-0.5	-0.004	-0.007	7.8151	
2880 minute winter	S127	1.015	S60	50.5	0.487	0.709	4.3871	
2880 minute winter	S119	22.003	S60	-1.2	-0.008	-0.017	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	50.2	0.545	0.663	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	25.1	0.012	0.001	3202.7988	
2880 minute winter	Pond Outlet	1.018	S13	5.8	0.104	0.081	0.4779	
2880 minute winter	S13	Pump	Final Outfall	5.8				579.0
2880 minute winter	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
2880 minute winter	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
2880 minute winter	PP-S16	3.000_1	S16	0.9	0.593	0.013	0.0076	
2880 minute winter	PP-S145	4.000_2	S145	1.0	0.714	0.012	0.0070	
2880 minute winter	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
2880 minute winter	PP-S1	4.000_1	S1	2.0	0.739	0.030	0.0134	

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Results for 100 year +20% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP-S5	1500	0.520	0.020	1.2	0.4445	0.0000	OK
2880 minute winter	PP-S12	1380	0.511	0.011	0.4	0.1762	0.0000	OK
2880 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S2	1500	0.513	0.013	0.6	0.3945	0.0000	OK
2880 minute winter	PP-S15	1500	0.512	0.012	0.5	0.1473	0.0000	OK
2880 minute winter	PP-S75	1500	0.512	0.012	0.5	0.1637	0.0000	OK
2880 minute winter	PP-S24	1500	0.517	0.017	1.2	0.3865	0.0000	OK
2880 minute winter	PP-S30	1320	0.510	0.010	0.4	0.1284	0.0000	OK
2880 minute winter	PP-S33	1380	0.511	0.011	0.5	0.1260	0.0000	OK
2880 minute winter	PP-S34	1440	0.515	0.015	1.0	0.3205	0.0000	OK
2880 minute winter	PP-S35	1500	0.507	0.007	0.2	0.0626	0.0000	OK
2880 minute winter	PP-S36	1440	0.513	0.013	0.8	0.1995	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP-S5	2.000_2	S5	1.2	0.690	0.016	0.0087	
2880 minute winter	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
2880 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute winter	PP-S2	10.000_1	S2	0.6	0.645	0.007	0.0047	
2880 minute winter	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
2880 minute winter	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
2880 minute winter	PP-S24	14.000_1	S92	1.2	0.863	0.012	0.0070	
2880 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
2880 minute winter	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
2880 minute winter	PP-S34	21.000_1	S34	1.0	0.902	0.008	0.0055	
2880 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2880 minute winter	PP-S36	23.000_2	S36	0.8	0.845	0.007	0.0047	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	4560	-0.039	0.199	0.5	0.3520	0.0000	OK
4320 minute summer	S25	4560	-0.039	0.205	0.5	0.5223	0.0000	OK
4320 minute summer	S16	4560	-0.039	0.228	3.9	1.0114	0.0000	OK
4320 minute summer	S145	4620	-0.039	0.276	7.8	1.1891	0.0000	OK
4320 minute summer	S4	4440	-0.039	0.204	0.8	0.3610	0.0000	OK
4320 minute summer	S5	4500	-0.039	0.245	1.8	0.4332	0.0000	OK
4320 minute summer	S9	4560	-0.039	0.257	0.6	0.5927	0.0000	OK
4320 minute summer	S10	4500	-0.039	0.282	0.6	0.4989	0.0000	OK
4320 minute summer	S11	4500	-0.039	0.287	2.5	0.5077	0.0000	OK
4320 minute summer	S12	4500	-0.039	0.296	2.9	0.5235	0.0000	OK
4320 minute summer	S1	4500	-0.039	0.225	2.6	0.5303	0.0000	OK
4320 minute summer	S3	4440	-0.039	0.268	4.2	0.8574	0.0000	OK
4320 minute summer	S2	4560	-0.039	0.297	4.7	0.5249	0.0000	OK
4320 minute summer	S14	4440	-0.039	0.270	0.1	0.4776	0.0000	OK
4320 minute summer	S15	4500	-0.039	0.307	10.1	1.3824	0.0000	OK
4320 minute summer	S75	4440	-0.039	0.323	18.1	0.8231	0.0000	OK
4320 minute summer	S87	4380	-0.039	0.247	1.7	0.8014	0.0000	OK
4320 minute summer	S88	4380	-0.039	0.269	3.5	0.8779	0.0000	OK
4320 minute summer	S89	4440	-0.039	0.291	5.2	0.9441	0.0000	OK
4320 minute summer	S90	4440	-0.039	0.313	6.8	0.9982	0.0000	OK
4320 minute summer	S92	4440	-0.038	0.341	25.8	0.8673	0.0000	OK
4320 minute summer	S81	4500	-0.039	0.263	1.7	0.8508	0.0000	OK
4320 minute summer	S82	4440	-0.039	0.285	3.5	0.9268	0.0000	OK
4320 minute summer	S83	4440	-0.039	0.306	5.2	0.9885	0.0000	OK
4320 minute summer	S84	4440	-0.038	0.329	6.8	1.0422	0.0000	OK
4320 minute summer	S86	4440	-0.038	0.355	32.5	0.9026	0.0000	OK
4320 minute summer	S76	4440	-0.038	0.279	1.7	0.8957	0.0000	OK
4320 minute summer	S77	4500	-0.039	0.300	3.5	0.9710	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S26	1.000	S16	0.5	0.047	0.007	4.3061	
4320 minute summer	S25	2.000	S16	0.5	0.043	0.007	3.4971	
4320 minute summer	S16	1.001	S145	3.8	0.119	0.053	8.6452	
4320 minute summer	S145	1.002	S75	7.7	0.119	0.109	10.5982	
4320 minute summer	S4	3.000	S5	0.7	0.075	0.011	6.5447	
4320 minute summer	S5	3.001	S11	1.8	0.087	0.025	8.0715	
4320 minute summer	S9	4.000	S10	0.6	0.066	0.009	5.0455	
4320 minute summer	S10	4.001	S11	0.6	0.042	0.009	0.9198	
4320 minute summer	S11	3.002	S12	2.5	0.090	0.036	1.9728	
4320 minute summer	S12	3.003	S15	2.9	0.057	0.043	2.6267	
4320 minute summer	S1	5.000	S3	2.5	0.106	0.035	7.5804	
4320 minute summer	S3	5.001	S2	4.1	0.102	0.058	6.0710	
4320 minute summer	S2	5.002	S15	4.7	0.085	0.068	2.4392	
4320 minute summer	S14	6.000	S15	0.2	-0.002	0.003	8.0417	
4320 minute summer	S15	3.004	S75	10.1	0.119	0.141	3.7167	
4320 minute summer	S75	1.003	S92	18.0	0.192	0.253	4.2241	
4320 minute summer	S87	7.000	S88	1.7	0.091	0.023	4.0797	
4320 minute summer	S88	7.001	S89	3.4	0.107	0.048	4.4998	
4320 minute summer	S89	7.002	S90	5.1	0.121	0.072	4.9119	
4320 minute summer	S90	7.003	S92	6.8	0.079	0.096	6.7266	
4320 minute summer	S92	1.005	S86	25.8	0.261	0.363	3.6571	
4320 minute summer	S81	8.000	S82	1.7	0.082	0.023	4.3916	
4320 minute summer	S82	8.001	S83	3.4	0.104	0.049	4.7924	
4320 minute summer	S83	8.002	S84	5.1	0.111	0.072	5.1830	
4320 minute summer	S84	8.003	S86	6.8	0.074	0.095	6.6752	
4320 minute summer	S86	1.006	S30	32.4	0.319	0.457	3.8023	
4320 minute summer	S76	9.000	S77	1.7	0.078	0.023	4.6737	
4320 minute summer	S77	9.001	S78	3.4	0.097	0.048	5.0736	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S78	4380	-0.039	0.322	5.2	1.0360	0.0000	OK
4320 minute summer	S79	4380	-0.039	0.343	6.8	1.0848	0.0000	OK
4320 minute summer	S30	4500	-0.039	0.368	39.6	0.9376	0.0000	OK
4320 minute summer	S31	4440	-0.038	0.298	1.9	0.9858	0.0000	OK
4320 minute summer	S32	4380	-0.038	0.341	3.4	1.0518	0.0000	OK
4320 minute summer	S33	4500	-0.039	0.384	43.3	0.9780	0.0000	OK
4320 minute summer	S34	4500	-0.038	0.401	44.2	0.7082	0.0000	OK
4320 minute summer	S35	4500	-0.038	0.428	44.2	0.7558	0.0000	OK
4320 minute summer	S36	4500	-0.038	0.404	0.7	0.7135	0.0000	OK
4320 minute summer	S37	4500	-0.038	0.433	47.9	2.1275	0.0000	OK
4320 minute summer	S38	4500	-0.038	0.478	47.7	0.8441	0.0000	SURCHARGED
4320 minute summer	S39	4500	-0.038	0.524	47.5	0.9252	0.0000	SURCHARGED
4320 minute summer	S56	4500	-0.038	0.521	0.3	0.9200	0.0000	SURCHARGED
4320 minute summer	S57	4500	-0.038	0.527	47.4	1.3402	0.0000	SURCHARGED
4320 minute summer	S125	4440	-0.038	0.517	1.4	0.9133	0.0000	SURCHARGED
4320 minute summer	S127	4440	-0.038	0.541	47.3	1.3756	0.0000	SURCHARGED
4320 minute summer	S119	4440	-0.038	0.531	1.7	0.9383	0.0000	SURCHARGED
4320 minute summer	S60	4440	-0.038	0.555	47.0	1.4121	0.0000	SURCHARGED
4320 minute summer	Pond Inlet 1	4320	-0.034	0.576	46.8	1.0172	0.0000	OK
4320 minute summer	Pond Outlet	5760	-0.040	0.570	23.4	0.6443	0.0000	SURCHARGED
4320 minute summer	S13	5760	-0.040	0.598	0.1	2.0708	0.0000	SURCHARGED
4320 minute summer	Final Outfall	60	-0.740	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S26	2280	0.518	0.018	0.5	0.3152	0.0000	OK
4320 minute summer	PP-S25	2220	0.515	0.015	0.5	0.2141	0.0000	OK
4320 minute summer	PP-S16	2220	0.517	0.017	0.8	0.3008	0.0000	OK
4320 minute summer	PP-S145	2220	0.518	0.018	1.0	0.3175	0.0000	OK
4320 minute summer	PP-S4	2220	0.519	0.019	0.8	0.3446	0.0000	OK
4320 minute summer	PP-S1	2220	0.527	0.027	1.9	5.8989	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S78	9.002	S79	5.1	0.103	0.074	5.4523	
4320 minute summer	S79	9.003	S30	6.8	0.071	0.094	6.5199	
4320 minute summer	S30	1.007	S33	39.5	0.381	0.555	4.4852	
4320 minute summer	S31	10.000	S32	1.8	0.088	0.026	10.3501	
4320 minute summer	S32	10.001	S33	3.3	0.044	0.046	11.7763	
4320 minute summer	S33	1.008	S34	43.2	0.412	0.612	4.7299	
4320 minute summer	S34	1.009	S35	44.1	0.415	0.621	8.1828	
4320 minute summer	S35	1.010	S37	44.2	0.414	0.664	1.7675	
4320 minute summer	S36	11.000	S37	0.8	0.007	0.011	8.8178	
4320 minute summer	S37	1.011	S38	47.7	0.447	0.676	14.2405	
4320 minute summer	S38	1.012	S39	47.5	0.429	0.665	14.3287	
4320 minute summer	S39	1.013	S57	47.4	0.423	0.748	1.1814	
4320 minute summer	S56	12.011	S57	-0.3	-0.014	-0.005	2.0645	
4320 minute summer	S57	1.014	S127	47.3	0.426	0.669	4.4483	
4320 minute summer	S125	21.003	S127	1.7	-0.035	0.025	7.8151	
4320 minute summer	S127	1.015	S60	47.0	0.424	0.660	4.3871	
4320 minute summer	S119	22.003	S60	1.7	0.011	0.025	7.8151	
4320 minute summer	S60	1.016	Pond Inlet 1	46.8	0.468	0.618	4.7280	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.4	0.010	0.000	3141.1252	
4320 minute summer	Pond Outlet	1.018	S13	0.1	0.012	0.001	0.4779	
4320 minute summer	S13	Pump	Final Outfall	0.0				0.0
4320 minute summer	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
4320 minute summer	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
4320 minute summer	PP-S16	3.000_1	S16	0.8	0.571	0.012	0.0070	
4320 minute summer	PP-S145	4.000_2	S145	1.0	0.714	0.012	0.0070	
4320 minute summer	PP-S4	1.000_2	S4	0.8	0.509	0.014	0.0079	
4320 minute summer	PP-S1	4.000_1	S1	1.9	0.726	0.028	0.0129	

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Results for 100 year +20% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	PP-S5	2220	0.520	0.020	1.1	0.4106	0.0000	OK
4320 minute summer	PP-S12	2220	0.511	0.011	0.4	0.1762	0.0000	OK
4320 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S2	2220	0.513	0.013	0.6	0.3944	0.0000	OK
4320 minute summer	PP-S15	2220	0.512	0.012	0.5	0.1473	0.0000	OK
4320 minute summer	PP-S75	2220	0.512	0.012	0.5	0.1637	0.0000	OK
4320 minute summer	PP-S24	2220	0.517	0.017	1.1	0.3578	0.0000	OK
4320 minute summer	PP-S30	2160	0.510	0.010	0.4	0.1284	0.0000	OK
4320 minute summer	PP-S33	2220	0.511	0.011	0.5	0.1260	0.0000	OK
4320 minute summer	PP-S34	2220	0.515	0.015	1.0	0.3205	0.0000	OK
4320 minute summer	PP-S35	1800	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute summer	PP-S36	2160	0.513	0.013	0.7	0.1765	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	PP-S5	2.000_2	S5	1.1	0.673	0.015	0.0082	
4320 minute summer	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
4320 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute summer	PP-S2	10.000_1	S2	0.6	0.645	0.007	0.0047	
4320 minute summer	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
4320 minute summer	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
4320 minute summer	PP-S24	14.000_1	S92	1.1	0.840	0.011	0.0065	
4320 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
4320 minute summer	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
4320 minute summer	PP-S34	21.000_1	S34	1.0	0.902	0.008	0.0055	
4320 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
4320 minute summer	PP-S36	23.000_2	S36	0.7	0.812	0.006	0.0043	

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Results for 100 year +20% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S26	4020	-0.030	0.208	0.4	0.3682	0.0000	OK
4320 minute winter	S25	4020	-0.030	0.214	0.3	0.5456	0.0000	OK
4320 minute winter	S16	4020	-0.030	0.237	2.9	1.0527	0.0000	OK
4320 minute winter	S145	4020	-0.030	0.285	5.7	1.2292	0.0000	OK
4320 minute winter	S4	4020	-0.030	0.213	0.6	0.3771	0.0000	OK
4320 minute winter	S5	4020	-0.030	0.254	1.4	0.4496	0.0000	OK
4320 minute winter	S9	4020	-0.029	0.267	0.5	0.6143	0.0000	OK
4320 minute winter	S10	4080	-0.030	0.291	0.5	0.5150	0.0000	OK
4320 minute winter	S11	4080	-0.030	0.296	1.8	0.5238	0.0000	OK
4320 minute winter	S12	4080	-0.030	0.305	2.1	0.5397	0.0000	OK
4320 minute winter	S1	4020	-0.030	0.234	1.9	0.5522	0.0000	OK
4320 minute winter	S3	4080	-0.030	0.277	3.1	0.8873	0.0000	OK
4320 minute winter	S2	4020	-0.030	0.306	3.4	0.5416	0.0000	OK
4320 minute winter	S14	4080	-0.030	0.279	0.1	0.4937	0.0000	OK
4320 minute winter	S15	4020	-0.030	0.316	7.5	1.4243	0.0000	OK
4320 minute winter	S75	4020	-0.030	0.332	13.4	0.8461	0.0000	OK
4320 minute winter	S87	4080	-0.029	0.257	1.3	0.8323	0.0000	OK
4320 minute winter	S88	4080	-0.029	0.279	2.6	0.9082	0.0000	OK
4320 minute winter	S89	4080	-0.030	0.300	3.8	0.9736	0.0000	OK
4320 minute winter	S90	4080	-0.030	0.322	5.1	1.0267	0.0000	OK
4320 minute winter	S92	4080	-0.030	0.349	19.1	0.8892	0.0000	OK
4320 minute winter	S81	4080	-0.030	0.272	1.3	0.8798	0.0000	OK
4320 minute winter	S82	4020	-0.030	0.294	2.6	0.9558	0.0000	OK
4320 minute winter	S83	4080	-0.030	0.315	3.8	1.0183	0.0000	OK
4320 minute winter	S84	4080	-0.030	0.337	5.1	1.0702	0.0000	OK
4320 minute winter	S86	4080	-0.030	0.363	24.1	0.9250	0.0000	OK
4320 minute winter	S76	4080	-0.030	0.287	1.3	0.9235	0.0000	OK
4320 minute winter	S77	4080	-0.030	0.309	2.6	1.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S26	1.000	S16	0.4	0.046	0.005	4.5463	
4320 minute winter	S25	2.000	S16	0.3	0.039	0.004	3.6889	
4320 minute winter	S16	1.001	S145	2.8	0.124	0.040	9.0355	
4320 minute winter	S145	1.002	S75	5.7	0.118	0.080	10.9650	
4320 minute winter	S4	3.000	S5	0.6	0.075	0.008	6.8855	
4320 minute winter	S5	3.001	S11	1.3	0.092	0.019	8.4026	
4320 minute winter	S9	4.000	S10	0.5	0.060	0.007	5.2512	
4320 minute winter	S10	4.001	S11	0.5	0.033	0.006	0.9538	
4320 minute winter	S11	3.002	S12	1.8	0.077	0.025	2.0433	
4320 minute winter	S12	3.003	S15	2.1	0.051	0.030	2.7162	
4320 minute winter	S1	5.000	S3	1.9	0.107	0.026	7.9333	
4320 minute winter	S3	5.001	S2	3.0	0.103	0.043	6.3047	
4320 minute winter	S2	5.002	S15	3.4	0.084	0.050	2.5242	
4320 minute winter	S14	6.000	S15	0.1	-0.004	0.001	8.3355	
4320 minute winter	S15	3.004	S75	7.4	0.122	0.103	3.8346	
4320 minute winter	S75	1.003	S92	13.3	0.189	0.187	4.3391	
4320 minute winter	S87	7.000	S88	1.3	0.090	0.018	4.2599	
4320 minute winter	S88	7.001	S89	2.5	0.107	0.036	4.6738	
4320 minute winter	S89	7.002	S90	3.8	0.115	0.053	5.0753	
4320 minute winter	S90	7.003	S92	5.1	0.086	0.072	6.9152	
4320 minute winter	S92	1.005	S86	19.0	0.251	0.268	3.7464	
4320 minute winter	S81	8.000	S82	1.3	0.084	0.018	4.5604	
4320 minute winter	S82	8.001	S83	2.5	0.105	0.036	4.9584	
4320 minute winter	S83	8.002	S84	3.8	0.103	0.053	5.3415	
4320 minute winter	S84	8.003	S86	5.1	0.082	0.071	6.8468	
4320 minute winter	S86	1.006	S30	24.0	0.301	0.338	3.8903	
4320 minute winter	S76	9.000	S77	1.3	0.080	0.018	4.8375	
4320 minute winter	S77	9.001	S78	2.5	0.104	0.036	5.2335	

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Results for 100 year +20% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S78	4080	-0.030	0.331	3.8	1.0645	0.0000	OK
4320 minute winter	S79	4080	-0.030	0.352	5.1	1.1130	0.0000	OK
4320 minute winter	S30	4080	-0.030	0.377	29.4	0.9605	0.0000	OK
4320 minute winter	S31	4020	-0.030	0.306	1.4	1.0139	0.0000	OK
4320 minute winter	S32	4080	-0.030	0.349	2.6	1.0784	0.0000	OK
4320 minute winter	S33	4080	-0.030	0.393	32.2	1.0008	0.0000	OK
4320 minute winter	S34	4080	-0.030	0.409	32.8	0.7229	0.0000	OK
4320 minute winter	S35	4140	-0.030	0.436	32.9	0.7704	0.0000	OK
4320 minute winter	S36	4140	-0.030	0.412	0.6	0.7277	0.0000	OK
4320 minute winter	S37	4140	-0.030	0.441	35.7	2.1675	0.0000	OK
4320 minute winter	S38	4080	-0.030	0.486	35.5	0.8589	0.0000	SURCHARGED
4320 minute winter	S39	4260	-0.030	0.532	35.4	0.9401	0.0000	SURCHARGED
4320 minute winter	S56	4260	-0.030	0.529	0.5	0.9355	0.0000	SURCHARGED
4320 minute winter	S57	4260	-0.030	0.535	35.2	1.3618	0.0000	SURCHARGED
4320 minute winter	S125	4080	-0.030	0.525	0.6	0.9268	0.0000	SURCHARGED
4320 minute winter	S127	4080	-0.030	0.549	35.1	1.3965	0.0000	SURCHARGED
4320 minute winter	S119	3900	-0.031	0.538	0.5	0.9506	0.0000	SURCHARGED
4320 minute winter	S60	4080	-0.031	0.562	34.9	1.4308	0.0000	SURCHARGED
4320 minute winter	Pond Inlet 1	3840	-0.026	0.584	40.1	1.0320	0.0000	OK
4320 minute winter	Pond Outlet	4080	-0.032	0.578	17.4	0.6534	0.0000	SURCHARGED
4320 minute winter	S13	4080	-0.033	0.605	5.7	2.0969	0.0000	SURCHARGED
4320 minute winter	Final Outfall	60	-0.740	0.000	5.7	0.0000	0.0000	OK
4320 minute winter	PP-S26	2160	0.516	0.016	0.4	0.2602	0.0000	OK
4320 minute winter	PP-S25	1920	0.512	0.012	0.3	0.1335	0.0000	OK
4320 minute winter	PP-S16	2100	0.515	0.015	0.6	0.2341	0.0000	OK
4320 minute winter	PP-S145	2160	0.515	0.015	0.7	0.2335	0.0000	OK
4320 minute winter	PP-S4	2220	0.517	0.017	0.6	0.2658	0.0000	OK
4320 minute winter	PP-S1	2280	0.523	0.023	1.4	4.6675	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S78	9.002	S79	3.8	0.095	0.054	5.6018	
4320 minute winter	S79	9.003	S30	5.0	0.078	0.070	6.6771	
4320 minute winter	S30	1.007	S33	29.3	0.356	0.412	4.5773	
4320 minute winter	S31	10.000	S32	1.4	0.072	0.019	10.6519	
4320 minute winter	S32	10.001	S33	2.5	0.065	0.034	12.0362	
4320 minute winter	S33	1.008	S34	32.1	0.382	0.455	4.8105	
4320 minute winter	S34	1.009	S35	32.8	0.382	0.461	8.2821	
4320 minute winter	S35	1.010	S37	32.8	0.380	0.494	1.7824	
4320 minute winter	S36	11.000	S37	1.2	0.009	0.017	8.9114	
4320 minute winter	S37	1.011	S38	35.5	0.408	0.503	14.2932	
4320 minute winter	S38	1.012	S39	35.4	0.389	0.495	14.3287	
4320 minute winter	S39	1.013	S57	35.2	0.382	0.556	1.1814	
4320 minute winter	S56	12.011	S57	0.8	0.005	0.011	2.0645	
4320 minute winter	S57	1.014	S127	35.1	0.390	0.497	4.4483	
4320 minute winter	S125	21.003	S127	-0.6	-0.012	-0.009	7.8151	
4320 minute winter	S127	1.015	S60	34.9	0.399	0.491	4.3871	
4320 minute winter	S119	22.003	S60	-0.5	-0.012	-0.007	7.8151	
4320 minute winter	S60	1.016	Pond Inlet 1	34.7	0.490	0.459	4.7280	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	17.4	0.010	0.000	3188.8010	
4320 minute winter	Pond Outlet	1.018	S13	5.7	0.082	0.081	0.4779	
4320 minute winter	S13	Pump	Final Outfall	5.7				754.3
4320 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
4320 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
4320 minute winter	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
4320 minute winter	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
4320 minute winter	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
4320 minute winter	PP-S1	4.000_1	S1	1.4	0.667	0.021	0.0105	

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Results for 100 year +20% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	PP-S5	2100	0.517	0.017	0.8	0.3083	0.0000	OK
4320 minute winter	PP-S12	2040	0.510	0.010	0.3	0.1375	0.0000	OK
4320 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S2	2040	0.511	0.011	0.4	0.2720	0.0000	OK
4320 minute winter	PP-S15	1860	0.510	0.010	0.3	0.0947	0.0000	OK
4320 minute winter	PP-S75	1920	0.509	0.009	0.3	0.1051	0.0000	OK
4320 minute winter	PP-S24	2100	0.514	0.014	0.8	0.2710	0.0000	OK
4320 minute winter	PP-S30	1920	0.509	0.009	0.3	0.0999	0.0000	OK
4320 minute winter	PP-S33	2160	0.510	0.010	0.4	0.1044	0.0000	OK
4320 minute winter	PP-S34	2160	0.513	0.013	0.7	0.2302	0.0000	OK
4320 minute winter	PP-S35	1620	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute winter	PP-S36	2220	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	PP-S5	2.000_2	S5	0.8	0.609	0.011	0.0066	
4320 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
4320 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute winter	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
4320 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
4320 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
4320 minute winter	PP-S24	14.000_1	S92	0.8	0.764	0.008	0.0052	
4320 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
4320 minute winter	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
4320 minute winter	PP-S34	21.000_1	S34	0.7	0.809	0.006	0.0043	
4320 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
4320 minute winter	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 100 year +20% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S26	5640	-0.037	0.201	0.4	0.3552	0.0000	OK
5760 minute summer	S25	5640	-0.037	0.207	0.4	0.5271	0.0000	OK
5760 minute summer	S16	5640	-0.037	0.230	3.1	1.0201	0.0000	OK
5760 minute summer	S145	5640	-0.037	0.278	6.3	1.1968	0.0000	OK
5760 minute summer	S4	5640	-0.037	0.206	0.6	0.3642	0.0000	OK
5760 minute summer	S5	5640	-0.037	0.247	1.5	0.4363	0.0000	OK
5760 minute summer	S9	5640	-0.037	0.259	0.5	0.5962	0.0000	OK
5760 minute summer	S10	5640	-0.037	0.284	0.5	0.5020	0.0000	OK
5760 minute summer	S11	5640	-0.037	0.289	1.9	0.5108	0.0000	OK
5760 minute summer	S12	5640	-0.037	0.298	2.2	0.5267	0.0000	OK
5760 minute summer	S1	5640	-0.037	0.227	2.0	0.5344	0.0000	OK
5760 minute summer	S3	5640	-0.037	0.270	3.2	0.8633	0.0000	OK
5760 minute summer	S2	5640	-0.037	0.299	3.7	0.5286	0.0000	OK
5760 minute summer	S14	5640	-0.037	0.272	0.1	0.4813	0.0000	OK
5760 minute summer	S15	5640	-0.037	0.309	8.0	1.3910	0.0000	OK
5760 minute summer	S75	5640	-0.037	0.325	14.4	0.8266	0.0000	OK
5760 minute summer	S87	5700	-0.037	0.249	1.4	0.8081	0.0000	OK
5760 minute summer	S88	5640	-0.037	0.271	2.8	0.8833	0.0000	OK
5760 minute summer	S89	5640	-0.037	0.293	4.1	0.9491	0.0000	OK
5760 minute summer	S90	5700	-0.037	0.315	5.5	1.0035	0.0000	OK
5760 minute summer	S92	5640	-0.037	0.342	20.6	0.8699	0.0000	OK
5760 minute summer	S81	5640	-0.037	0.265	1.4	0.8572	0.0000	OK
5760 minute summer	S82	5640	-0.037	0.287	2.8	0.9319	0.0000	OK
5760 minute summer	S83	5640	-0.037	0.308	4.1	0.9955	0.0000	OK
5760 minute summer	S84	5640	-0.037	0.330	5.5	1.0459	0.0000	OK
5760 minute summer	S86	5640	-0.037	0.356	26.0	0.9055	0.0000	OK
5760 minute summer	S76	5640	-0.037	0.280	1.4	0.9004	0.0000	OK
5760 minute summer	S77	5640	-0.037	0.302	2.8	0.9777	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S26	1.000	S16	0.4	0.047	0.006	4.3553	
5760 minute summer	S25	2.000	S16	0.4	0.043	0.005	3.5371	
5760 minute summer	S16	1.001	S145	3.1	0.125	0.043	8.7252	
5760 minute summer	S145	1.002	S75	6.2	0.118	0.087	10.6664	
5760 minute summer	S4	3.000	S5	0.6	0.075	0.008	6.6117	
5760 minute summer	S5	3.001	S11	1.4	0.101	0.019	8.1359	
5760 minute summer	S9	4.000	S10	0.5	0.061	0.007	5.0838	
5760 minute summer	S10	4.001	S11	0.5	0.040	0.007	0.9264	
5760 minute summer	S11	3.002	S12	1.9	0.088	0.027	1.9866	
5760 minute summer	S12	3.003	S15	2.2	0.059	0.033	2.6446	
5760 minute summer	S1	5.000	S3	2.0	0.105	0.028	7.6496	
5760 minute summer	S3	5.001	S2	3.2	0.103	0.045	6.1204	
5760 minute summer	S2	5.002	S15	3.6	0.086	0.053	2.4577	
5760 minute summer	S14	6.000	S15	-0.1	-0.002	-0.002	8.1059	
5760 minute summer	S15	3.004	S75	8.0	0.119	0.111	3.7387	
5760 minute summer	S75	1.003	S92	14.3	0.185	0.201	4.2399	
5760 minute summer	S87	7.000	S88	1.4	0.091	0.019	4.1149	
5760 minute summer	S88	7.001	S89	2.7	0.107	0.038	4.5315	
5760 minute summer	S89	7.002	S90	4.1	0.107	0.057	4.9389	
5760 minute summer	S90	7.003	S92	5.4	0.077	0.077	6.7550	
5760 minute summer	S92	1.005	S86	20.5	0.249	0.289	3.6685	
5760 minute summer	S81	8.000	S82	1.4	0.085	0.019	4.4255	
5760 minute summer	S82	8.001	S83	2.7	0.103	0.039	4.8269	
5760 minute summer	S83	8.002	S84	4.1	0.102	0.057	5.2126	
5760 minute summer	S84	8.003	S86	5.4	0.071	0.076	6.6981	
5760 minute summer	S86	1.006	S30	25.9	0.302	0.365	3.8169	
5760 minute summer	S76	9.000	S77	1.4	0.080	0.019	4.7069	
5760 minute summer	S77	9.001	S78	2.7	0.095	0.038	5.1059	

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Results for 100 year +20% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S78	5640	-0.037	0.324	4.1	1.0405	0.0000	OK
5760 minute summer	S79	5640	-0.037	0.345	5.5	1.0898	0.0000	OK
5760 minute summer	S30	5640	-0.037	0.370	31.6	0.9415	0.0000	OK
5760 minute summer	S31	5640	-0.037	0.299	1.5	0.9901	0.0000	OK
5760 minute summer	S32	5640	-0.037	0.342	2.7	1.0559	0.0000	OK
5760 minute summer	S33	5640	-0.037	0.386	34.6	0.9823	0.0000	OK
5760 minute summer	S34	5700	-0.037	0.402	35.3	0.7101	0.0000	OK
5760 minute summer	S35	5700	-0.037	0.429	35.3	0.7579	0.0000	OK
5760 minute summer	S36	5700	-0.036	0.406	1.3	0.7180	0.0000	OK
5760 minute summer	S37	5700	-0.037	0.434	38.2	2.1332	0.0000	OK
5760 minute summer	S38	5640	-0.036	0.480	38.0	0.8483	0.0000	SURCHARGED
5760 minute summer	S39	5640	-0.035	0.527	37.9	0.9305	0.0000	SURCHARGED
5760 minute summer	S56	5640	-0.035	0.524	0.6	0.9260	0.0000	SURCHARGED
5760 minute summer	S57	5640	-0.035	0.530	37.7	1.3481	0.0000	SURCHARGED
5760 minute summer	S125	5760	-0.035	0.520	0.9	0.9192	0.0000	SURCHARGED
5760 minute summer	S127	5760	-0.034	0.545	37.6	1.3870	0.0000	SURCHARGED
5760 minute summer	S119	5640	-0.037	0.532	0.6	0.9407	0.0000	SURCHARGED
5760 minute summer	S60	5760	-0.036	0.557	37.4	1.4182	0.0000	SURCHARGED
5760 minute summer	Pond Inlet 1	5760	-0.031	0.579	37.2	1.0227	0.0000	OK
5760 minute summer	Pond Outlet	5640	-0.039	0.571	18.6	0.6463	0.0000	SURCHARGED
5760 minute summer	S13	5640	-0.038	0.600	5.6	2.0767	0.0000	SURCHARGED
5760 minute summer	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
5760 minute summer	PP-S26	2940	0.516	0.016	0.4	0.2602	0.0000	OK
5760 minute summer	PP-S25	2940	0.514	0.014	0.4	0.1738	0.0000	OK
5760 minute summer	PP-S16	2940	0.516	0.016	0.7	0.2673	0.0000	OK
5760 minute summer	PP-S145	2940	0.516	0.016	0.8	0.2613	0.0000	OK
5760 minute summer	PP-S4	2940	0.517	0.017	0.6	0.2658	0.0000	OK
5760 minute summer	PP-S1	2940	0.524	0.024	1.5	4.8867	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S78	9.002	S79	4.1	0.094	0.058	5.4778	
5760 minute summer	S79	9.003	S30	5.4	0.068	0.075	6.5491	
5760 minute summer	S30	1.007	S33	31.5	0.358	0.443	4.5021	
5760 minute summer	S31	10.000	S32	1.4	0.085	0.020	10.4019	
5760 minute summer	S32	10.001	S33	2.6	0.038	0.037	11.8216	
5760 minute summer	S33	1.008	S34	34.5	0.385	0.488	4.7434	
5760 minute summer	S34	1.009	S35	35.2	0.383	0.496	8.1964	
5760 minute summer	S35	1.010	S37	35.2	0.379	0.530	1.7699	
5760 minute summer	S36	11.000	S37	-1.2	-0.038	-0.016	8.8441	
5760 minute summer	S37	1.011	S38	38.0	0.400	0.538	14.2500	
5760 minute summer	S38	1.012	S39	37.9	0.371	0.530	14.3287	
5760 minute summer	S39	1.013	S57	37.7	0.357	0.596	1.1814	
5760 minute summer	S56	12.011	S57	-0.6	-0.064	-0.008	2.0645	
5760 minute summer	S57	1.014	S127	37.6	0.357	0.532	4.4483	
5760 minute summer	S125	21.003	S127	1.1	0.007	0.016	7.8151	
5760 minute summer	S127	1.015	S60	37.4	0.351	0.525	4.3871	
5760 minute summer	S119	22.003	S60	1.2	0.008	0.018	7.8151	
5760 minute summer	S60	1.016	Pond Inlet 1	37.2	0.393	0.491	4.7280	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	18.6	0.008	0.000	3151.2632	
5760 minute summer	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
5760 minute summer	S13	Pump	Final Outfall	5.6				461.7
5760 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
5760 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
5760 minute summer	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
5760 minute summer	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
5760 minute summer	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
5760 minute summer	PP-S1	4.000_1	S1	1.5	0.678	0.022	0.0109	

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Results for 100 year +20% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP-S5	2940	0.518	0.018	0.9	0.3421	0.0000	OK
5760 minute summer	PP-S12	2880	0.510	0.010	0.3	0.1375	0.0000	OK
5760 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S2	2940	0.512	0.012	0.5	0.3326	0.0000	OK
5760 minute summer	PP-S15	2940	0.511	0.011	0.4	0.1210	0.0000	OK
5760 minute summer	PP-S75	2940	0.511	0.011	0.4	0.1345	0.0000	OK
5760 minute summer	PP-S24	2940	0.515	0.015	0.9	0.3010	0.0000	OK
5760 minute summer	PP-S30	2760	0.509	0.009	0.3	0.0999	0.0000	OK
5760 minute summer	PP-S33	2880	0.510	0.010	0.4	0.1044	0.0000	OK
5760 minute summer	PP-S34	2940	0.513	0.013	0.8	0.2602	0.0000	OK
5760 minute summer	PP-S35	2520	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute summer	PP-S36	2940	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
5760 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
5760 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute summer	PP-S2	10.000_1	S2	0.5	0.611	0.005	0.0041	
5760 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
5760 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
5760 minute summer	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
5760 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
5760 minute summer	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
5760 minute summer	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
5760 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute summer	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S26	4560	-0.030	0.208	0.3	0.3682	0.0000	OK
5760 minute winter	S25	4560	-0.030	0.214	0.3	0.5457	0.0000	OK
5760 minute winter	S16	4560	-0.030	0.237	2.3	1.0526	0.0000	OK
5760 minute winter	S145	4620	-0.030	0.285	4.5	1.2291	0.0000	OK
5760 minute winter	S4	4620	-0.030	0.213	0.4	0.3771	0.0000	OK
5760 minute winter	S5	4620	-0.030	0.254	1.0	0.4495	0.0000	OK
5760 minute winter	S9	4560	-0.030	0.266	0.4	0.6136	0.0000	OK
5760 minute winter	S10	4620	-0.030	0.291	0.4	0.5150	0.0000	OK
5760 minute winter	S11	4620	-0.030	0.296	1.3	0.5239	0.0000	OK
5760 minute winter	S12	4620	-0.030	0.305	1.5	0.5397	0.0000	OK
5760 minute winter	S1	4620	-0.030	0.234	1.5	0.5521	0.0000	OK
5760 minute winter	S3	4500	-0.030	0.277	2.5	0.8870	0.0000	OK
5760 minute winter	S2	4560	-0.030	0.306	2.7	0.5415	0.0000	OK
5760 minute winter	S14	4560	-0.030	0.279	0.1	0.4937	0.0000	OK
5760 minute winter	S15	4620	-0.030	0.316	5.8	1.4240	0.0000	OK
5760 minute winter	S75	4620	-0.030	0.332	10.5	0.8458	0.0000	OK
5760 minute winter	S87	4500	-0.030	0.256	1.0	0.8317	0.0000	OK
5760 minute winter	S88	4560	-0.030	0.278	2.0	0.9079	0.0000	OK
5760 minute winter	S89	4620	-0.030	0.300	2.9	0.9735	0.0000	OK
5760 minute winter	S90	4620	-0.030	0.322	3.9	1.0270	0.0000	OK
5760 minute winter	S92	4620	-0.030	0.349	14.9	0.8891	0.0000	OK
5760 minute winter	S81	4560	-0.030	0.272	1.0	0.8794	0.0000	OK
5760 minute winter	S82	4620	-0.030	0.294	2.0	0.9557	0.0000	OK
5760 minute winter	S83	4620	-0.030	0.315	2.9	1.0178	0.0000	OK
5760 minute winter	S84	4500	-0.030	0.337	3.9	1.0700	0.0000	OK
5760 minute winter	S86	4620	-0.030	0.363	18.7	0.9247	0.0000	OK
5760 minute winter	S76	4560	-0.030	0.287	1.0	0.9237	0.0000	OK
5760 minute winter	S77	4560	-0.030	0.309	2.0	0.9999	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S26	1.000	S16	0.3	0.047	0.004	4.5457	
5760 minute winter	S25	2.000	S16	0.3	0.043	0.004	3.6887	
5760 minute winter	S16	1.001	S145	2.2	0.120	0.031	9.0342	
5760 minute winter	S145	1.002	S75	4.4	0.119	0.063	10.9626	
5760 minute winter	S4	3.000	S5	0.4	0.078	0.005	6.8839	
5760 minute winter	S5	3.001	S11	1.0	0.091	0.013	8.4039	
5760 minute winter	S9	4.000	S10	0.4	0.061	0.005	5.2494	
5760 minute winter	S10	4.001	S11	0.4	0.035	0.005	0.9540	
5760 minute winter	S11	3.002	S12	1.3	0.081	0.018	2.0435	
5760 minute winter	S12	3.003	S15	1.4	0.052	0.021	2.7162	
5760 minute winter	S1	5.000	S3	1.5	0.105	0.021	7.9321	
5760 minute winter	S3	5.001	S2	2.4	0.104	0.034	6.3039	
5760 minute winter	S2	5.002	S15	2.7	0.087	0.039	2.5237	
5760 minute winter	S14	6.000	S15	-0.1	-0.003	-0.002	8.3346	
5760 minute winter	S15	3.004	S75	5.7	0.119	0.080	3.8334	
5760 minute winter	S75	1.003	S92	10.4	0.184	0.146	4.3387	
5760 minute winter	S87	7.000	S88	1.0	0.088	0.014	4.2558	
5760 minute winter	S88	7.001	S89	1.9	0.108	0.027	4.6728	
5760 minute winter	S89	7.002	S90	2.9	0.108	0.041	5.0761	
5760 minute winter	S90	7.003	S92	3.9	0.116	0.055	6.9161	
5760 minute winter	S92	1.005	S86	14.8	0.238	0.208	3.7459	
5760 minute winter	S81	8.000	S82	1.0	0.085	0.014	4.5586	
5760 minute winter	S82	8.001	S83	1.9	0.105	0.028	4.9571	
5760 minute winter	S83	8.002	S84	2.9	0.103	0.041	5.3394	
5760 minute winter	S84	8.003	S86	3.9	0.113	0.054	6.8448	
5760 minute winter	S86	1.006	S30	18.6	0.282	0.262	3.8891	
5760 minute winter	S76	9.000	S77	1.0	0.081	0.014	4.8378	
5760 minute winter	S77	9.001	S78	1.9	0.099	0.027	5.2333	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S78	4620	-0.030	0.331	2.9	1.0646	0.0000	OK
5760 minute winter	S79	4500	-0.030	0.352	3.9	1.1128	0.0000	OK
5760 minute winter	S30	4560	-0.030	0.377	22.6	0.9603	0.0000	OK
5760 minute winter	S31	4560	-0.030	0.306	1.1	1.0139	0.0000	OK
5760 minute winter	S32	4500	-0.030	0.349	2.0	1.0781	0.0000	OK
5760 minute winter	S33	4560	-0.030	0.393	24.7	1.0009	0.0000	OK
5760 minute winter	S34	4560	-0.030	0.409	25.3	0.7231	0.0000	OK
5760 minute winter	S35	4560	-0.030	0.436	25.3	0.7703	0.0000	OK
5760 minute winter	S36	4500	-0.030	0.412	0.8	0.7279	0.0000	OK
5760 minute winter	S37	4560	-0.030	0.441	27.4	2.1675	0.0000	OK
5760 minute winter	S38	4560	-0.030	0.486	27.3	0.8592	0.0000	SURCHARGED
5760 minute winter	S39	4560	-0.029	0.533	27.1	0.9410	0.0000	SURCHARGED
5760 minute winter	S56	4560	-0.030	0.529	0.5	0.9351	0.0000	SURCHARGED
5760 minute winter	S57	4560	-0.030	0.535	27.0	1.3623	0.0000	SURCHARGED
5760 minute winter	S125	4680	-0.030	0.525	0.3	0.9273	0.0000	SURCHARGED
5760 minute winter	S127	4620	-0.031	0.548	27.0	1.3954	0.0000	SURCHARGED
5760 minute winter	S119	4680	-0.030	0.539	0.5	0.9532	0.0000	SURCHARGED
5760 minute winter	S60	4620	-0.031	0.562	26.8	1.4313	0.0000	SURCHARGED
5760 minute winter	Pond Inlet 1	4740	-0.027	0.583	26.6	1.0303	0.0000	OK
5760 minute winter	Pond Outlet	4620	-0.032	0.578	13.3	0.6533	0.0000	SURCHARGED
5760 minute winter	S13	4620	-0.033	0.605	5.7	2.0968	0.0000	SURCHARGED
5760 minute winter	Final Outfall	60	-0.740	0.000	5.7	0.0000	0.0000	OK
5760 minute winter	PP-S26	2700	0.514	0.014	0.3	0.2027	0.0000	OK
5760 minute winter	PP-S25	2820	0.512	0.012	0.3	0.1335	0.0000	OK
5760 minute winter	PP-S16	2880	0.514	0.014	0.5	0.1986	0.0000	OK
5760 minute winter	PP-S145	2940	0.514	0.014	0.6	0.2022	0.0000	OK
5760 minute winter	PP-S4	2580	0.514	0.014	0.4	0.1852	0.0000	OK
5760 minute winter	PP-S1	3060	0.521	0.021	1.1	3.7759	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S78	9.002	S79	2.9	0.097	0.042	5.6011	
5760 minute winter	S79	9.003	S30	3.8	0.097	0.053	6.6751	
5760 minute winter	S30	1.007	S33	22.6	0.332	0.317	4.5770	
5760 minute winter	S31	10.000	S32	1.1	0.088	0.015	10.6491	
5760 minute winter	S32	10.001	S33	1.9	0.079	0.026	12.0340	
5760 minute winter	S33	1.008	S34	24.7	0.356	0.350	4.8112	
5760 minute winter	S34	1.009	S35	25.2	0.353	0.355	8.2830	
5760 minute winter	S35	1.010	S37	25.3	0.350	0.380	1.7823	
5760 minute winter	S36	11.000	S37	0.7	0.010	0.010	8.9117	
5760 minute winter	S37	1.011	S38	27.3	0.371	0.386	14.2932	
5760 minute winter	S38	1.012	S39	27.1	0.346	0.380	14.3287	
5760 minute winter	S39	1.013	S57	27.0	0.334	0.427	1.1814	
5760 minute winter	S56	12.011	S57	0.8	0.005	0.011	2.0645	
5760 minute winter	S57	1.014	S127	27.0	0.336	0.381	4.4483	
5760 minute winter	S125	21.003	S127	0.7	-0.017	0.011	7.8151	
5760 minute winter	S127	1.015	S60	26.8	0.331	0.376	4.3871	
5760 minute winter	S119	22.003	S60	1.1	-0.066	0.016	7.8151	
5760 minute winter	S60	1.016	Pond Inlet 1	26.6	0.459	0.352	4.7280	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	13.3	0.008	0.000	3188.6431	
5760 minute winter	Pond Outlet	1.018	S13	5.7	0.082	0.081	0.4779	
5760 minute winter	S13	Pump	Final Outfall	5.7				969.6
5760 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
5760 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
5760 minute winter	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
5760 minute winter	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
5760 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
5760 minute winter	PP-S1	4.000_1	S1	1.1	0.622	0.017	0.0088	

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Results for 100 year +20% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP-S5	2700	0.515	0.015	0.6	0.2410	0.0000	OK
5760 minute winter	PP-S12	2340	0.508	0.008	0.2	0.0962	0.0000	OK
5760 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S2	2520	0.510	0.010	0.3	0.2120	0.0000	OK
5760 minute winter	PP-S15	2760	0.510	0.010	0.3	0.0947	0.0000	OK
5760 minute winter	PP-S75	2880	0.509	0.009	0.3	0.1051	0.0000	OK
5760 minute winter	PP-S24	2700	0.513	0.013	0.6	0.2082	0.0000	OK
5760 minute winter	PP-S30	2340	0.507	0.007	0.2	0.0702	0.0000	OK
5760 minute winter	PP-S33	2640	0.509	0.009	0.3	0.0814	0.0000	OK
5760 minute winter	PP-S34	2940	0.512	0.012	0.6	0.2005	0.0000	OK
5760 minute winter	PP-S35	2280	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute winter	PP-S36	2580	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
5760 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
5760 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
5760 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
5760 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
5760 minute winter	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
5760 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
5760 minute winter	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
5760 minute winter	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
5760 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +20% CC 7200 minute summer. 8640 minute analysis at 60 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
7200 minute summer	S26	6780	-0.036	0.202	0.4	0.3569	0.0000	OK
7200 minute summer	S25	6780	-0.036	0.208	0.3	0.5298	0.0000	OK
7200 minute summer	S16	6780	-0.036	0.231	2.6	1.0246	0.0000	OK
7200 minute summer	S145	6780	-0.036	0.279	5.1	1.2016	0.0000	OK
7200 minute summer	S4	6780	-0.036	0.207	0.5	0.3660	0.0000	OK
7200 minute summer	S5	6780	-0.036	0.248	1.2	0.4383	0.0000	OK
7200 minute summer	S9	6780	-0.036	0.260	0.8	0.5991	0.0000	OK
7200 minute summer	S10	6780	-0.036	0.285	0.4	0.5037	0.0000	OK
7200 minute summer	S11	6780	-0.036	0.290	1.6	0.5125	0.0000	OK
7200 minute summer	S12	6780	-0.036	0.299	1.8	0.5284	0.0000	OK
7200 minute summer	S1	6780	-0.036	0.228	1.7	0.5371	0.0000	OK
7200 minute summer	S3	6780	-0.036	0.271	2.7	0.8669	0.0000	OK
7200 minute summer	S2	6780	-0.036	0.300	3.1	0.5302	0.0000	OK
7200 minute summer	S14	6780	-0.036	0.273	0.2	0.4826	0.0000	OK
7200 minute summer	S15	6780	-0.036	0.310	6.6	1.3957	0.0000	OK
7200 minute summer	S75	6780	-0.036	0.326	11.9	0.8299	0.0000	OK
7200 minute summer	S87	6780	-0.036	0.250	1.1	0.8112	0.0000	OK
7200 minute summer	S88	6780	-0.036	0.272	2.2	0.8872	0.0000	OK
7200 minute summer	S89	6780	-0.036	0.294	3.2	0.9531	0.0000	OK
7200 minute summer	S90	6780	-0.036	0.316	4.3	1.0067	0.0000	OK
7200 minute summer	S92	6780	-0.036	0.343	16.8	0.8731	0.0000	OK
7200 minute summer	S81	6780	-0.036	0.266	1.1	0.8591	0.0000	OK
7200 minute summer	S82	6780	-0.036	0.288	2.2	0.9353	0.0000	OK
7200 minute summer	S83	6780	-0.036	0.309	3.2	0.9977	0.0000	OK
7200 minute summer	S84	6780	-0.036	0.331	4.3	1.0501	0.0000	OK
7200 minute summer	S86	6780	-0.036	0.357	21.0	0.9087	0.0000	OK
7200 minute summer	S76	6780	-0.036	0.281	1.1	0.9036	0.0000	OK
7200 minute summer	S77	6780	-0.036	0.303	2.2	0.9798	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S26	1.000	S16	0.4	0.047	0.005	4.3812	
7200 minute summer	S25	2.000	S16	0.3	0.039	0.004	3.5586	
7200 minute summer	S16	1.001	S145	2.5	0.124	0.035	8.7693	
7200 minute summer	S145	1.002	S75	5.0	0.118	0.071	10.7137	
7200 minute summer	S4	3.000	S5	0.5	0.075	0.007	6.6511	
7200 minute summer	S5	3.001	S11	1.2	0.101	0.017	8.1734	
7200 minute summer	S9	4.000	S10	-0.8	0.060	-0.012	5.1088	
7200 minute summer	S10	4.001	S11	0.4	0.039	0.005	0.9300	
7200 minute summer	S11	3.002	S12	1.6	0.085	0.022	1.9941	
7200 minute summer	S12	3.003	S15	1.8	0.058	0.026	2.6546	
7200 minute summer	S1	5.000	S3	1.6	0.105	0.023	7.6934	
7200 minute summer	S3	5.001	S2	2.7	0.105	0.038	6.1464	
7200 minute summer	S2	5.002	S15	3.1	0.088	0.045	2.4666	
7200 minute summer	S14	6.000	S15	0.3	0.003	0.004	8.1347	
7200 minute summer	S15	3.004	S75	6.5	0.120	0.091	3.7536	
7200 minute summer	S75	1.003	S92	11.8	0.182	0.166	4.2569	
7200 minute summer	S87	7.000	S88	1.1	0.090	0.015	4.1360	
7200 minute summer	S88	7.001	S89	2.1	0.107	0.030	4.5544	
7200 minute summer	S89	7.002	S90	3.2	0.106	0.045	4.9617	
7200 minute summer	S90	7.003	S92	4.3	0.083	0.061	6.7806	
7200 minute summer	S92	1.005	S86	16.7	0.240	0.235	3.6816	
7200 minute summer	S81	8.000	S82	1.1	0.084	0.015	4.4410	
7200 minute summer	S82	8.001	S83	2.1	0.103	0.031	4.8428	
7200 minute summer	S83	8.002	S84	3.2	0.103	0.045	5.2301	
7200 minute summer	S84	8.003	S86	4.3	0.074	0.060	6.7235	
7200 minute summer	S86	1.006	S30	20.9	0.287	0.295	3.8287	
7200 minute summer	S76	9.000	S77	1.1	0.080	0.015	4.7223	
7200 minute summer	S77	9.001	S78	2.1	0.095	0.030	5.1235	

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Results for 100 year +20% CC 7200 minute summer. 8640 minute analysis at 60 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
7200 minute summer	S78	6780	-0.036	0.325	3.2	1.0448	0.0000	OK
7200 minute summer	S79	6780	-0.036	0.346	4.3	1.0932	0.0000	OK
7200 minute summer	S30	6780	-0.036	0.371	25.5	0.9443	0.0000	OK
7200 minute summer	S31	6780	-0.036	0.300	1.2	0.9937	0.0000	OK
7200 minute summer	S32	6780	-0.036	0.343	2.3	1.0594	0.0000	OK
7200 minute summer	S33	6780	-0.036	0.387	27.9	0.9850	0.0000	OK
7200 minute summer	S34	6780	-0.036	0.403	28.4	0.7122	0.0000	OK
7200 minute summer	S35	6780	-0.036	0.430	28.5	0.7598	0.0000	OK
7200 minute summer	S36	6780	-0.036	0.406	1.4	0.7174	0.0000	OK
7200 minute summer	S37	6780	-0.036	0.435	30.9	2.1384	0.0000	OK
7200 minute summer	S38	6780	-0.036	0.480	30.8	0.8482	0.0000	SURCHARGED
7200 minute summer	S39	6780	-0.036	0.526	30.6	0.9294	0.0000	SURCHARGED
7200 minute summer	S56	6780	-0.036	0.523	0.8	0.9241	0.0000	SURCHARGED
7200 minute summer	S57	6780	-0.036	0.529	30.5	1.3461	0.0000	SURCHARGED
7200 minute summer	S125	6780	-0.036	0.519	0.8	0.9167	0.0000	SURCHARGED
7200 minute summer	S127	6780	-0.036	0.543	30.4	1.3815	0.0000	SURCHARGED
7200 minute summer	S119	6780	-0.036	0.533	0.5	0.9414	0.0000	SURCHARGED
7200 minute summer	S60	6780	-0.036	0.557	30.2	1.4170	0.0000	SURCHARGED
7200 minute summer	Pond Inlet 1	6780	-0.029	0.581	30.1	1.0258	0.0000	OK
7200 minute summer	Pond Outlet	6780	-0.039	0.571	15.0	0.6462	0.0000	SURCHARGED
7200 minute summer	S13	6780	-0.039	0.599	5.6	2.0763	0.0000	SURCHARGED
7200 minute summer	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
7200 minute summer	PP-S26	3660	0.516	0.016	0.4	0.2602	0.0000	OK
7200 minute summer	PP-S25	3600	0.512	0.012	0.3	0.1335	0.0000	OK
7200 minute summer	PP-S16	3600	0.514	0.014	0.5	0.1986	0.0000	OK
7200 minute summer	PP-S145	3660	0.514	0.014	0.6	0.2022	0.0000	OK
7200 minute summer	PP-S4	3660	0.515	0.015	0.5	0.2272	0.0000	OK
7200 minute summer	PP-S1	3660	0.522	0.022	1.3	4.3061	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S78	9.002	S79	3.2	0.098	0.046	5.4983	
7200 minute summer	S79	9.003	S30	4.3	0.065	0.059	6.5684	
7200 minute summer	S30	1.007	S33	25.4	0.338	0.357	4.5135	
7200 minute summer	S31	10.000	S32	1.2	0.084	0.016	10.4403	
7200 minute summer	S32	10.001	S33	2.2	0.039	0.030	11.8545	
7200 minute summer	S33	1.008	S34	27.8	0.361	0.395	4.7541	
7200 minute summer	S34	1.009	S35	28.4	0.356	0.400	8.2105	
7200 minute summer	S35	1.010	S37	28.4	0.351	0.428	1.7720	
7200 minute summer	S36	11.000	S37	-1.3	-0.037	-0.018	8.8469	
7200 minute summer	S37	1.011	S38	30.8	0.369	0.436	14.2585	
7200 minute summer	S38	1.012	S39	30.6	0.335	0.428	14.3287	
7200 minute summer	S39	1.013	S57	30.5	0.318	0.482	1.1814	
7200 minute summer	S56	12.011	S57	-0.8	-0.064	-0.011	2.0645	
7200 minute summer	S57	1.014	S127	30.4	0.314	0.430	4.4483	
7200 minute summer	S125	21.003	S127	0.9	0.006	0.013	7.8151	
7200 minute summer	S127	1.015	S60	30.2	0.303	0.425	4.3871	
7200 minute summer	S119	22.003	S60	1.4	0.009	0.020	7.8151	
7200 minute summer	S60	1.016	Pond Inlet 1	30.1	0.374	0.397	4.7280	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	15.0	0.008	0.000	3150.7639	
7200 minute summer	Pond Outlet	1.018	S13	5.6	0.084	0.079	0.4779	
7200 minute summer	S13	Pump	Final Outfall	5.6				550.0
7200 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
7200 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
7200 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
7200 minute summer	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
7200 minute summer	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
7200 minute summer	PP-S1	4.000_1	S1	1.3	0.649	0.019	0.0098	

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Results for 100 year +20% CC 7200 minute summer. 8640 minute analysis at 60 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
7200 minute summer	PP-S5	3660	0.516	0.016	0.7	0.2748	0.0000	OK
7200 minute summer	PP-S12	3660	0.510	0.010	0.3	0.1375	0.0000	OK
7200 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S2	3720	0.511	0.011	0.4	0.2720	0.0000	OK
7200 minute summer	PP-S15	3540	0.510	0.010	0.3	0.0947	0.0000	OK
7200 minute summer	PP-S75	3600	0.509	0.009	0.3	0.1051	0.0000	OK
7200 minute summer	PP-S24	3660	0.514	0.014	0.7	0.2394	0.0000	OK
7200 minute summer	PP-S30	3600	0.509	0.009	0.3	0.0999	0.0000	OK
7200 minute summer	PP-S33	3480	0.509	0.009	0.3	0.0814	0.0000	OK
7200 minute summer	PP-S34	3600	0.512	0.012	0.6	0.2005	0.0000	OK
7200 minute summer	PP-S35	3240	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute summer	PP-S36	3600	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
7200 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
7200 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute summer	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
7200 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
7200 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
7200 minute summer	PP-S24	14.000_1	S92	0.7	0.733	0.007	0.0048	
7200 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
7200 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
7200 minute summer	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
7200 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
7200 minute summer	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 100 year +20% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S26	5520	-0.031	0.207	0.3	0.3666	0.0000	OK
7200 minute winter	S25	5520	-0.031	0.213	0.2	0.5432	0.0000	OK
7200 minute winter	S16	5520	-0.031	0.236	1.9	1.0484	0.0000	OK
7200 minute winter	S145	5400	-0.031	0.284	3.7	1.2248	0.0000	OK
7200 minute winter	S4	5520	-0.031	0.212	0.4	0.3753	0.0000	OK
7200 minute winter	S5	5460	-0.031	0.253	0.9	0.4477	0.0000	OK
7200 minute winter	S9	5460	-0.031	0.265	0.3	0.6115	0.0000	OK
7200 minute winter	S10	5460	-0.031	0.290	0.3	0.5132	0.0000	OK
7200 minute winter	S11	5460	-0.031	0.295	1.1	0.5220	0.0000	OK
7200 minute winter	S12	5460	-0.031	0.304	1.3	0.5379	0.0000	OK
7200 minute winter	S1	5460	-0.031	0.233	1.2	0.5496	0.0000	OK
7200 minute winter	S3	5520	-0.031	0.276	2.0	0.8840	0.0000	OK
7200 minute winter	S2	5520	-0.031	0.305	2.2	0.5397	0.0000	OK
7200 minute winter	S14	5520	-0.031	0.278	0.1	0.4921	0.0000	OK
7200 minute winter	S15	5400	-0.031	0.315	4.8	1.4198	0.0000	OK
7200 minute winter	S75	5400	-0.031	0.331	8.5	0.8435	0.0000	OK
7200 minute winter	S87	5400	-0.031	0.255	0.8	0.8287	0.0000	OK
7200 minute winter	S88	5400	-0.030	0.278	1.6	0.9049	0.0000	OK
7200 minute winter	S89	5460	-0.031	0.299	2.4	0.9704	0.0000	OK
7200 minute winter	S90	5520	-0.031	0.321	3.1	1.0236	0.0000	OK
7200 minute winter	S92	5520	-0.031	0.348	12.1	0.8867	0.0000	OK
7200 minute winter	S81	5520	-0.031	0.271	0.8	0.8763	0.0000	OK
7200 minute winter	S82	5460	-0.031	0.293	1.6	0.9526	0.0000	OK
7200 minute winter	S83	5400	-0.031	0.314	2.4	1.0149	0.0000	OK
7200 minute winter	S84	5460	-0.031	0.336	3.1	1.0672	0.0000	OK
7200 minute winter	S86	5460	-0.031	0.362	15.1	0.9223	0.0000	OK
7200 minute winter	S76	5460	-0.031	0.286	0.8	0.9206	0.0000	OK
7200 minute winter	S77	5400	-0.031	0.308	1.6	0.9972	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S26	1.000	S16	0.3	0.047	0.004	4.5217	
7200 minute winter	S25	2.000	S16	0.2	0.043	0.003	3.6689	
7200 minute winter	S16	1.001	S145	1.8	0.122	0.026	8.9933	
7200 minute winter	S145	1.002	S75	3.7	0.118	0.052	10.9248	
7200 minute winter	S4	3.000	S5	0.4	0.078	0.005	6.8464	
7200 minute winter	S5	3.001	S11	0.8	0.101	0.012	8.3666	
7200 minute winter	S9	4.000	S10	0.3	0.061	0.004	5.2283	
7200 minute winter	S10	4.001	S11	0.3	0.040	0.004	0.9501	
7200 minute winter	S11	3.002	S12	1.1	0.086	0.015	2.0356	
7200 minute winter	S12	3.003	S15	1.3	0.059	0.018	2.7066	
7200 minute winter	S1	5.000	S3	1.2	0.105	0.017	7.8941	
7200 minute winter	S3	5.001	S2	1.9	0.104	0.027	6.2797	
7200 minute winter	S2	5.002	S15	2.2	0.086	0.033	2.5148	
7200 minute winter	S14	6.000	S15	0.1	-0.002	0.002	8.3051	
7200 minute winter	S15	3.004	S75	4.7	0.122	0.066	3.8216	
7200 minute winter	S75	1.003	S92	8.5	0.182	0.119	4.3264	
7200 minute winter	S87	7.000	S88	0.8	0.088	0.011	4.2397	
7200 minute winter	S88	7.001	S89	1.6	0.107	0.022	4.6551	
7200 minute winter	S89	7.002	S90	2.3	0.107	0.033	5.0577	
7200 minute winter	S90	7.003	S92	3.1	0.095	0.044	6.8948	
7200 minute winter	S92	1.005	S86	12.0	0.231	0.169	3.7360	
7200 minute winter	S81	8.000	S82	0.8	0.082	0.011	4.5407	
7200 minute winter	S82	8.001	S83	1.6	0.103	0.022	4.9400	
7200 minute winter	S83	8.002	S84	2.3	0.103	0.033	5.3236	
7200 minute winter	S84	8.003	S86	3.1	0.084	0.044	6.8277	
7200 minute winter	S86	1.006	S30	15.1	0.272	0.212	3.8804	
7200 minute winter	S76	9.000	S77	0.8	0.078	0.011	4.8210	
7200 minute winter	S77	9.001	S78	1.6	0.095	0.022	5.2179	

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Results for 100 year +20% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S78	5460	-0.031	0.330	2.4	1.0616	0.0000	OK
7200 minute winter	S79	5460	-0.031	0.351	3.1	1.1101	0.0000	OK
7200 minute winter	S30	5460	-0.031	0.376	18.3	0.9578	0.0000	OK
7200 minute winter	S31	5520	-0.031	0.305	0.9	1.0109	0.0000	OK
7200 minute winter	S32	5400	-0.031	0.348	1.7	1.0753	0.0000	OK
7200 minute winter	S33	5460	-0.031	0.392	20.1	0.9983	0.0000	OK
7200 minute winter	S34	5460	-0.031	0.408	20.5	0.7212	0.0000	OK
7200 minute winter	S35	5520	-0.031	0.435	20.5	0.7686	0.0000	OK
7200 minute winter	S36	5580	-0.031	0.411	1.2	0.7259	0.0000	OK
7200 minute winter	S37	5520	-0.031	0.440	22.2	2.1628	0.0000	OK
7200 minute winter	S38	5460	-0.031	0.485	22.1	0.8569	0.0000	SURCHARGED
7200 minute winter	S39	5580	-0.031	0.531	22.0	0.9381	0.0000	SURCHARGED
7200 minute winter	S56	5520	-0.031	0.528	0.4	0.9321	0.0000	SURCHARGED
7200 minute winter	S57	5580	-0.031	0.534	21.9	1.3582	0.0000	SURCHARGED
7200 minute winter	S125	5580	-0.031	0.524	0.9	0.9251	0.0000	SURCHARGED
7200 minute winter	S127	5520	-0.032	0.547	21.8	1.3934	0.0000	SURCHARGED
7200 minute winter	S119	5520	-0.031	0.538	1.2	0.9510	0.0000	SURCHARGED
7200 minute winter	S60	5460	-0.032	0.561	21.7	1.4290	0.0000	SURCHARGED
7200 minute winter	Pond Inlet 1	5760	-0.026	0.584	25.7	1.0318	0.0000	OK
7200 minute winter	Pond Outlet	5520	-0.033	0.577	11.9	0.6523	0.0000	SURCHARGED
7200 minute winter	S13	5520	-0.034	0.604	5.7	2.0936	0.0000	SURCHARGED
7200 minute winter	Final Outfall	60	-0.740	0.000	5.7	0.0000	0.0000	OK
7200 minute winter	PP-S26	3720	0.514	0.014	0.3	0.2027	0.0000	OK
7200 minute winter	PP-S25	3000	0.510	0.010	0.2	0.0943	0.0000	OK
7200 minute winter	PP-S16	3420	0.513	0.013	0.4	0.1619	0.0000	OK
7200 minute winter	PP-S145	3660	0.513	0.013	0.5	0.1714	0.0000	OK
7200 minute winter	PP-S4	3660	0.514	0.014	0.4	0.1852	0.0000	OK
7200 minute winter	PP-S1	3840	0.519	0.019	0.9	3.1237	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S78	9.002	S79	2.3	0.099	0.033	5.5869	
7200 minute winter	S79	9.003	S30	3.1	0.077	0.043	6.6605	
7200 minute winter	S30	1.007	S33	18.3	0.318	0.257	4.5670	
7200 minute winter	S31	10.000	S32	0.9	0.085	0.012	10.6198	
7200 minute winter	S32	10.001	S33	1.6	0.058	0.022	12.0068	
7200 minute winter	S33	1.008	S34	20.0	0.338	0.283	4.8016	
7200 minute winter	S34	1.009	S35	20.4	0.333	0.287	8.2712	
7200 minute winter	S35	1.010	S37	20.5	0.330	0.308	1.7808	
7200 minute winter	S36	11.000	S37	1.1	0.011	0.016	8.8998	
7200 minute winter	S37	1.011	S38	22.1	0.348	0.313	14.2878	
7200 minute winter	S38	1.012	S39	22.0	0.319	0.307	14.3287	
7200 minute winter	S39	1.013	S57	21.9	0.305	0.345	1.1814	
7200 minute winter	S56	12.011	S57	0.4	0.003	0.006	2.0645	
7200 minute winter	S57	1.014	S127	21.8	0.306	0.308	4.4483	
7200 minute winter	S125	21.003	S127	-0.9	-0.017	-0.012	7.8151	
7200 minute winter	S127	1.015	S60	21.7	0.306	0.304	4.3871	
7200 minute winter	S119	22.003	S60	-1.2	-0.022	-0.017	7.8151	
7200 minute winter	S60	1.016	Pond Inlet 1	21.5	0.391	0.284	4.7280	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	11.9	0.008	0.000	3183.0930	
7200 minute winter	Pond Outlet	1.018	S13	5.7	0.081	0.081	0.4779	
7200 minute winter	S13	Pump	Final Outfall	5.7				1110.4
7200 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
7200 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
7200 minute winter	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
7200 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
7200 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
7200 minute winter	PP-S1	4.000_1	S1	0.9	0.585	0.014	0.0077	

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Results for 100 year +20% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	PP-S5	3300	0.513	0.013	0.5	0.2037	0.0000	OK
7200 minute winter	PP-S12	3180	0.508	0.008	0.2	0.0962	0.0000	OK
7200 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S2	3420	0.510	0.010	0.3	0.2120	0.0000	OK
7200 minute winter	PP-S15	3000	0.508	0.008	0.2	0.0668	0.0000	OK
7200 minute winter	PP-S75	3000	0.508	0.008	0.2	0.0739	0.0000	OK
7200 minute winter	PP-S24	3300	0.512	0.012	0.5	0.1774	0.0000	OK
7200 minute winter	PP-S30	3120	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute winter	PP-S33	2820	0.507	0.007	0.2	0.0576	0.0000	OK
7200 minute winter	PP-S34	3660	0.511	0.011	0.5	0.1713	0.0000	OK
7200 minute winter	PP-S35	3060	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute winter	PP-S36	3660	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
7200 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
7200 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
7200 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
7200 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
7200 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
7200 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
7200 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
7200 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
7200 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
7200 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +20% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S26	7440	-0.035	0.203	0.3	0.3583	0.0000	OK
8640 minute summer	S25	7440	-0.035	0.209	0.3	0.5308	0.0000	OK
8640 minute summer	S16	7440	-0.035	0.232	2.3	1.0271	0.0000	OK
8640 minute summer	S145	7440	-0.035	0.280	4.4	1.2041	0.0000	OK
8640 minute summer	S4	7440	-0.035	0.208	0.4	0.3668	0.0000	OK
8640 minute summer	S5	7440	-0.035	0.249	1.0	0.4394	0.0000	OK
8640 minute summer	S9	7440	-0.035	0.261	0.3	0.6008	0.0000	OK
8640 minute summer	S10	7440	-0.035	0.286	0.4	0.5047	0.0000	OK
8640 minute summer	S11	7440	-0.035	0.291	1.3	0.5135	0.0000	OK
8640 minute summer	S12	7440	-0.035	0.300	1.5	0.5294	0.0000	OK
8640 minute summer	S1	7440	-0.035	0.229	1.5	0.5386	0.0000	OK
8640 minute summer	S3	7440	-0.035	0.272	2.4	0.8685	0.0000	OK
8640 minute summer	S2	7440	-0.035	0.301	2.7	0.5312	0.0000	OK
8640 minute summer	S14	7440	-0.035	0.274	0.1	0.4834	0.0000	OK
8640 minute summer	S15	7440	-0.035	0.311	5.7	1.3981	0.0000	OK
8640 minute summer	S75	7440	-0.035	0.327	10.1	0.8313	0.0000	OK
8640 minute summer	S87	7440	-0.035	0.251	1.0	0.8131	0.0000	OK
8640 minute summer	S88	7440	-0.035	0.273	2.0	0.8892	0.0000	OK
8640 minute summer	S89	7440	-0.035	0.295	2.9	0.9549	0.0000	OK
8640 minute summer	S90	7440	-0.035	0.317	3.9	1.0085	0.0000	OK
8640 minute summer	S92	7440	-0.035	0.344	14.5	0.8745	0.0000	OK
8640 minute summer	S81	7440	-0.035	0.267	1.0	0.8609	0.0000	OK
8640 minute summer	S82	7440	-0.035	0.289	2.0	0.9372	0.0000	OK
8640 minute summer	S83	7440	-0.035	0.310	2.9	0.9997	0.0000	OK
8640 minute summer	S84	7440	-0.035	0.332	3.9	1.0521	0.0000	OK
8640 minute summer	S86	7440	-0.035	0.358	18.3	0.9101	0.0000	OK
8640 minute summer	S76	7440	-0.035	0.282	1.0	0.9055	0.0000	OK
8640 minute summer	S77	7440	-0.035	0.304	2.0	0.9817	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S26	1.000	S16	0.3	0.050	0.004	4.3981	
8640 minute summer	S25	2.000	S16	0.3	0.043	0.004	3.5684	
8640 minute summer	S16	1.001	S145	2.2	0.124	0.031	8.7930	
8640 minute summer	S145	1.002	S75	4.3	0.119	0.062	10.7364	
8640 minute summer	S4	3.000	S5	0.4	0.075	0.006	6.6715	
8640 minute summer	S5	3.001	S11	1.0	0.101	0.014	8.1949	
8640 minute summer	S9	4.000	S10	0.4	0.060	0.005	5.1233	
8640 minute summer	S10	4.001	S11	0.3	0.039	0.004	0.9321	
8640 minute summer	S11	3.002	S12	1.3	0.085	0.018	1.9984	
8640 minute summer	S12	3.003	S15	1.5	0.058	0.022	2.6599	
8640 minute summer	S1	5.000	S3	1.5	0.105	0.020	7.7143	
8640 minute summer	S3	5.001	S2	2.4	0.103	0.033	6.1590	
8640 minute summer	S2	5.002	S15	2.6	0.086	0.039	2.4714	
8640 minute summer	S14	6.000	S15	0.2	-0.002	0.003	8.1504	
8640 minute summer	S15	3.004	S75	5.6	0.120	0.079	3.7608	
8640 minute summer	S75	1.003	S92	10.0	0.182	0.141	4.2643	
8640 minute summer	S87	7.000	S88	1.0	0.090	0.014	4.1474	
8640 minute summer	S88	7.001	S89	1.9	0.107	0.027	4.5652	
8640 minute summer	S89	7.002	S90	2.9	0.108	0.041	4.9718	
8640 minute summer	S90	7.003	S92	3.9	0.093	0.055	6.7927	
8640 minute summer	S92	1.005	S86	14.4	0.233	0.203	3.6872	
8640 minute summer	S81	8.000	S82	1.0	0.082	0.014	4.4517	
8640 minute summer	S82	8.001	S83	1.9	0.103	0.028	4.8538	
8640 minute summer	S83	8.002	S84	2.9	0.103	0.041	5.2411	
8640 minute summer	S84	8.003	S86	3.9	0.080	0.054	6.7347	
8640 minute summer	S86	1.006	S30	18.2	0.275	0.257	3.8338	
8640 minute summer	S76	9.000	S77	1.0	0.078	0.014	4.7333	
8640 minute summer	S77	9.001	S78	1.9	0.096	0.027	5.1339	

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Results for 100 year +20% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S78	7440	-0.035	0.326	2.9	1.0465	0.0000	OK
8640 minute summer	S79	7440	-0.035	0.347	3.9	1.0948	0.0000	OK
8640 minute summer	S30	7440	-0.035	0.372	22.3	0.9457	0.0000	OK
8640 minute summer	S31	7440	-0.035	0.301	1.0	0.9955	0.0000	OK
8640 minute summer	S32	7440	-0.035	0.344	1.9	1.0611	0.0000	OK
8640 minute summer	S33	7440	-0.035	0.388	24.3	0.9864	0.0000	OK
8640 minute summer	S34	7440	-0.035	0.404	24.7	0.7132	0.0000	OK
8640 minute summer	S35	7440	-0.035	0.431	24.8	0.7609	0.0000	OK
8640 minute summer	S36	7440	-0.035	0.407	1.4	0.7185	0.0000	OK
8640 minute summer	S37	7440	-0.035	0.436	26.8	2.1414	0.0000	OK
8640 minute summer	S38	7440	-0.035	0.481	26.7	0.8491	0.0000	SURCHARGED
8640 minute summer	S39	7500	-0.035	0.527	26.5	0.9306	0.0000	SURCHARGED
8640 minute summer	S56	7500	-0.035	0.524	0.9	0.9260	0.0000	SURCHARGED
8640 minute summer	S57	7500	-0.035	0.530	26.4	1.3479	0.0000	SURCHARGED
8640 minute summer	S125	7440	-0.036	0.519	0.8	0.9175	0.0000	SURCHARGED
8640 minute summer	S127	7440	-0.036	0.543	26.3	1.3829	0.0000	SURCHARGED
8640 minute summer	S119	7440	-0.035	0.534	1.2	0.9428	0.0000	SURCHARGED
8640 minute summer	S60	7440	-0.036	0.557	26.2	1.4185	0.0000	SURCHARGED
8640 minute summer	Pond Inlet 1	7440	-0.029	0.581	26.0	1.0268	0.0000	OK
8640 minute summer	Pond Outlet	7440	-0.038	0.572	13.0	0.6468	0.0000	SURCHARGED
8640 minute summer	S13	7440	-0.038	0.600	5.6	2.0782	0.0000	SURCHARGED
8640 minute summer	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
8640 minute summer	PP-S26	4380	0.514	0.014	0.3	0.2027	0.0000	OK
8640 minute summer	PP-S25	4380	0.512	0.012	0.3	0.1335	0.0000	OK
8640 minute summer	PP-S16	4380	0.514	0.014	0.5	0.1986	0.0000	OK
8640 minute summer	PP-S145	4260	0.513	0.013	0.5	0.1714	0.0000	OK
8640 minute summer	PP-S4	4260	0.514	0.014	0.4	0.1852	0.0000	OK
8640 minute summer	PP-S1	4380	0.520	0.020	1.1	3.7055	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S78	9.002	S79	2.9	0.103	0.042	5.5075	
8640 minute summer	S79	9.003	S30	3.9	0.072	0.054	6.5775	
8640 minute summer	S30	1.007	S33	22.2	0.323	0.312	4.5189	
8640 minute summer	S31	10.000	S32	1.0	0.084	0.014	10.4592	
8640 minute summer	S32	10.001	S33	1.8	0.042	0.026	11.8709	
8640 minute summer	S33	1.008	S34	24.2	0.343	0.343	4.7594	
8640 minute summer	S34	1.009	S35	24.7	0.336	0.347	8.2178	
8640 minute summer	S35	1.010	S37	24.7	0.330	0.372	1.7733	
8640 minute summer	S36	11.000	S37	-1.4	-0.047	-0.020	8.8544	
8640 minute summer	S37	1.011	S38	26.7	0.345	0.377	14.2635	
8640 minute summer	S38	1.012	S39	26.5	0.305	0.371	14.3287	
8640 minute summer	S39	1.013	S57	26.4	0.284	0.417	1.1814	
8640 minute summer	S56	12.011	S57	0.9	0.006	0.014	2.0645	
8640 minute summer	S57	1.014	S127	26.3	0.277	0.372	4.4483	
8640 minute summer	S125	21.003	S127	-0.8	-0.005	-0.011	7.8151	
8640 minute summer	S127	1.015	S60	26.2	0.262	0.367	4.3871	
8640 minute summer	S119	22.003	S60	2.0	0.013	0.029	7.8151	
8640 minute summer	S60	1.016	Pond Inlet 1	26.0	0.349	0.343	4.7280	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	13.0	0.007	0.000	3154.1189	
8640 minute summer	Pond Outlet	1.018	S13	5.6	0.079	0.079	0.4779	
8640 minute summer	S13	Pump	Final Outfall	5.6				764.9
8640 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
8640 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
8640 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
8640 minute summer	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
8640 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
8640 minute summer	PP-S1	4.000_1	S1	1.1	0.619	0.016	0.0087	

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Results for 100 year +20% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP-S5	4320	0.515	0.015	0.6	0.2410	0.0000	OK
8640 minute summer	PP-S12	4080	0.508	0.008	0.2	0.0962	0.0000	OK
8640 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S2	4200	0.510	0.010	0.3	0.2120	0.0000	OK
8640 minute summer	PP-S15	4380	0.510	0.010	0.3	0.0947	0.0000	OK
8640 minute summer	PP-S75	4380	0.509	0.009	0.3	0.1051	0.0000	OK
8640 minute summer	PP-S24	4320	0.513	0.013	0.6	0.2082	0.0000	OK
8640 minute summer	PP-S30	4020	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute summer	PP-S33	4260	0.509	0.009	0.3	0.0814	0.0000	OK
8640 minute summer	PP-S34	4200	0.511	0.011	0.5	0.1713	0.0000	OK
8640 minute summer	PP-S35	3960	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute summer	PP-S36	4260	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
8640 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
8640 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
8640 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
8640 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
8640 minute summer	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
8640 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
8640 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
8640 minute summer	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
8640 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
8640 minute summer	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +20% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S26	6420	-0.029	0.209	0.2	0.3686	0.0000	OK
8640 minute winter	S25	6420	-0.029	0.215	0.2	0.5463	0.0000	OK
8640 minute winter	S16	6420	-0.029	0.238	1.6	1.0535	0.0000	OK
8640 minute winter	S145	6360	-0.029	0.286	3.1	1.2298	0.0000	OK
8640 minute winter	S4	6360	-0.029	0.214	0.3	0.3775	0.0000	OK
8640 minute winter	S5	6360	-0.029	0.255	0.8	0.4499	0.0000	OK
8640 minute winter	S9	6360	-0.029	0.267	0.3	0.6144	0.0000	OK
8640 minute winter	S10	6360	-0.029	0.292	0.3	0.5153	0.0000	OK
8640 minute winter	S11	6360	-0.029	0.297	1.0	0.5241	0.0000	OK
8640 minute winter	S12	6360	-0.029	0.306	1.2	0.5400	0.0000	OK
8640 minute winter	S1	6360	-0.029	0.235	1.1	0.5526	0.0000	OK
8640 minute winter	S3	6360	-0.029	0.278	1.8	0.8879	0.0000	OK
8640 minute winter	S2	6360	-0.029	0.307	1.9	0.5417	0.0000	OK
8640 minute winter	S14	6420	-0.029	0.280	0.2	0.4941	0.0000	OK
8640 minute winter	S15	6360	-0.029	0.317	4.2	1.4250	0.0000	OK
8640 minute winter	S75	6360	-0.029	0.333	7.4	0.8466	0.0000	OK
8640 minute winter	S87	6360	-0.029	0.257	0.7	0.8327	0.0000	OK
8640 minute winter	S88	6360	-0.029	0.279	1.4	0.9084	0.0000	OK
8640 minute winter	S89	6420	-0.029	0.301	2.1	0.9743	0.0000	OK
8640 minute winter	S90	6360	-0.029	0.323	2.7	1.0275	0.0000	OK
8640 minute winter	S92	6360	-0.029	0.350	10.5	0.8897	0.0000	OK
8640 minute winter	S81	6420	-0.029	0.273	0.7	0.8802	0.0000	OK
8640 minute winter	S82	6360	-0.029	0.295	1.4	0.9566	0.0000	OK
8640 minute winter	S83	6360	-0.029	0.316	2.1	1.0187	0.0000	OK
8640 minute winter	S84	6300	-0.029	0.338	2.7	1.0707	0.0000	OK
8640 minute winter	S86	6360	-0.029	0.364	13.2	0.9252	0.0000	OK
8640 minute winter	S76	6360	-0.029	0.288	0.7	0.9245	0.0000	OK
8640 minute winter	S77	6360	-0.029	0.310	1.4	1.0009	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S26	1.000	S16	0.2	0.050	0.003	4.5514	
8640 minute winter	S25	2.000	S16	0.2	0.043	0.003	3.6934	
8640 minute winter	S16	1.001	S145	1.5	0.120	0.022	9.0418	
8640 minute winter	S145	1.002	S75	3.1	0.119	0.044	10.9712	
8640 minute winter	S4	3.000	S5	0.3	0.078	0.004	6.8930	
8640 minute winter	S5	3.001	S11	0.7	0.101	0.010	8.4107	
8640 minute winter	S9	4.000	S10	0.3	0.061	0.004	5.2559	
8640 minute winter	S10	4.001	S11	0.3	0.040	0.003	0.9546	
8640 minute winter	S11	3.002	S12	1.0	0.086	0.014	2.0448	
8640 minute winter	S12	3.003	S15	1.1	0.059	0.017	2.7181	
8640 minute winter	S1	5.000	S3	1.1	0.105	0.015	7.9412	
8640 minute winter	S3	5.001	S2	1.7	0.106	0.024	6.3092	
8640 minute winter	S2	5.002	S15	1.9	0.089	0.028	2.5253	
8640 minute winter	S14	6.000	S15	-0.2	-0.002	-0.003	8.3417	
8640 minute winter	S15	3.004	S75	4.2	0.121	0.058	3.8367	
8640 minute winter	S75	1.003	S92	7.4	0.176	0.103	4.3421	
8640 minute winter	S87	7.000	S88	0.7	0.090	0.010	4.2619	
8640 minute winter	S88	7.001	S89	1.4	0.107	0.019	4.6761	
8640 minute winter	S89	7.002	S90	2.0	0.107	0.029	5.0791	
8640 minute winter	S90	7.003	S92	2.7	0.092	0.039	6.9201	
8640 minute winter	S92	1.005	S86	10.5	0.225	0.148	3.7478	
8640 minute winter	S81	8.000	S82	0.7	0.085	0.010	4.5640	
8640 minute winter	S82	8.001	S83	1.4	0.105	0.020	4.9622	
8640 minute winter	S83	8.002	S84	2.0	0.103	0.029	5.3441	
8640 minute winter	S84	8.003	S86	2.7	0.078	0.038	6.8492	
8640 minute winter	S86	1.006	S30	13.1	0.265	0.185	3.8908	
8640 minute winter	S76	9.000	S77	0.7	0.080	0.010	4.8427	
8640 minute winter	S77	9.001	S78	1.4	0.098	0.019	5.2383	

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Results for 100 year +20% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S78	6300	-0.029	0.332	2.1	1.0655	0.0000	OK
8640 minute winter	S79	6360	-0.030	0.352	2.7	1.1134	0.0000	OK
8640 minute winter	S30	6300	-0.030	0.377	16.0	0.9607	0.0000	OK
8640 minute winter	S31	6360	-0.030	0.306	0.7	1.0148	0.0000	OK
8640 minute winter	S32	6420	-0.030	0.349	1.4	1.0789	0.0000	OK
8640 minute winter	S33	6300	-0.030	0.393	17.4	1.0013	0.0000	OK
8640 minute winter	S34	6300	-0.030	0.409	17.7	0.7232	0.0000	OK
8640 minute winter	S35	6420	-0.030	0.436	17.7	0.7709	0.0000	OK
8640 minute winter	S36	6300	-0.030	0.412	1.3	0.7286	0.0000	OK
8640 minute winter	S37	6420	-0.030	0.441	19.2	2.1692	0.0000	OK
8640 minute winter	S38	6300	-0.030	0.486	19.0	0.8592	0.0000	SURCHARGED
8640 minute winter	S39	6300	-0.030	0.532	18.9	0.9396	0.0000	SURCHARGED
8640 minute winter	S56	6300	-0.030	0.529	0.6	0.9345	0.0000	SURCHARGED
8640 minute winter	S57	6300	-0.030	0.535	18.9	1.3606	0.0000	SURCHARGED
8640 minute winter	S125	6420	-0.030	0.525	0.5	0.9275	0.0000	SURCHARGED
8640 minute winter	S127	6480	-0.030	0.549	18.8	1.3965	0.0000	SURCHARGED
8640 minute winter	S119	6420	-0.030	0.539	0.8	0.9517	0.0000	SURCHARGED
8640 minute winter	S60	6480	-0.030	0.563	18.7	1.4319	0.0000	SURCHARGED
8640 minute winter	Pond Inlet 1	6420	-0.025	0.585	37.5	1.0343	0.0000	OK
8640 minute winter	Pond Outlet	6420	-0.032	0.578	19.9	0.6536	0.0000	SURCHARGED
8640 minute winter	S13	6420	-0.032	0.606	5.7	2.0977	0.0000	SURCHARGED
8640 minute winter	Final Outfall	60	-0.740	0.000	5.7	0.0000	0.0000	OK
8640 minute winter	PP-S26	3600	0.512	0.012	0.2	0.1403	0.0000	OK
8640 minute winter	PP-S25	3780	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute winter	PP-S16	3720	0.511	0.011	0.3	0.1261	0.0000	OK
8640 minute winter	PP-S145	4080	0.511	0.011	0.4	0.1411	0.0000	OK
8640 minute winter	PP-S4	3840	0.512	0.012	0.3	0.1429	0.0000	OK
8640 minute winter	PP-S1	4500	0.518	0.018	0.8	2.7956	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S78	9.002	S79	2.0	0.098	0.029	5.6054	
8640 minute winter	S79	9.003	S30	2.7	0.072	0.038	6.6786	
8640 minute winter	S30	1.007	S33	15.9	0.308	0.223	4.5785	
8640 minute winter	S31	10.000	S32	0.7	0.085	0.010	10.6596	
8640 minute winter	S32	10.001	S33	1.3	0.044	0.018	12.0399	
8640 minute winter	S33	1.008	S34	17.3	0.327	0.245	4.8121	
8640 minute winter	S34	1.009	S35	17.6	0.320	0.248	8.2839	
8640 minute winter	S35	1.010	S37	17.7	0.314	0.266	1.7828	
8640 minute winter	S36	11.000	S37	-1.2	0.011	-0.018	8.9154	
8640 minute winter	S37	1.011	S38	19.0	0.330	0.270	14.2952	
8640 minute winter	S38	1.012	S39	18.9	0.301	0.265	14.3287	
8640 minute winter	S39	1.013	S57	18.9	0.288	0.298	1.1814	
8640 minute winter	S56	12.011	S57	0.7	0.004	0.010	2.0645	
8640 minute winter	S57	1.014	S127	18.8	0.291	0.266	4.4483	
8640 minute winter	S125	21.003	S127	0.7	-0.010	0.010	7.8151	
8640 minute winter	S127	1.015	S60	18.7	0.289	0.262	4.3871	
8640 minute winter	S119	22.003	S60	0.9	-0.006	0.012	7.8151	
8640 minute winter	S60	1.016	Pond Inlet 1	18.6	0.373	0.245	4.7280	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	19.9	0.007	0.000	3190.1943	
8640 minute winter	Pond Outlet	1.018	S13	5.7	0.082	0.081	0.4779	
8640 minute winter	S13	Pump	Final Outfall	5.7				1271.5
8640 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
8640 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
8640 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
8640 minute winter	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
8640 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
8640 minute winter	PP-S1	4.000_1	S1	0.8	0.564	0.012	0.0071	

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Results for 100 year +20% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP-S5	4380	0.513	0.013	0.5	0.2037	0.0000	OK
8640 minute winter	PP-S12	4080	0.508	0.008	0.2	0.0962	0.0000	OK
8640 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S2	3480	0.508	0.008	0.2	0.1482	0.0000	OK
8640 minute winter	PP-S15	3780	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute winter	PP-S75	3840	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute winter	PP-S24	4380	0.512	0.012	0.5	0.1774	0.0000	OK
8640 minute winter	PP-S30	4020	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute winter	PP-S33	3660	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute winter	PP-S34	4080	0.510	0.010	0.4	0.1423	0.0000	OK
8640 minute winter	PP-S35	3900	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute winter	PP-S36	3840	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
8640 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
8640 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
8640 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
8640 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
8640 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
8640 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
8640 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
8640 minute winter	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
8640 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
8640 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 100 year +20% CC 10080 minute summer. 11520 minute analysis at 60 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
10080 minute summer	S26	8160	-0.037	0.201	0.3	0.3556	0.0000	OK
10080 minute summer	S25	8160	-0.037	0.207	0.2	0.5274	0.0000	OK
10080 minute summer	S16	8160	-0.037	0.230	2.0	1.0210	0.0000	OK
10080 minute summer	S145	8160	-0.037	0.278	3.9	1.1977	0.0000	OK
10080 minute summer	S4	8160	-0.037	0.206	0.4	0.3647	0.0000	OK
10080 minute summer	S5	8160	-0.037	0.247	1.0	0.4371	0.0000	OK
10080 minute summer	S9	8160	-0.036	0.260	0.4	0.5983	0.0000	OK
10080 minute summer	S10	8160	-0.037	0.284	0.5	0.5024	0.0000	OK
10080 minute summer	S11	8160	-0.037	0.289	1.2	0.5112	0.0000	OK
10080 minute summer	S12	8160	-0.037	0.298	1.4	0.5271	0.0000	OK
10080 minute summer	S1	8160	-0.037	0.227	1.2	0.5355	0.0000	OK
10080 minute summer	S3	8160	-0.037	0.270	2.0	0.8650	0.0000	OK
10080 minute summer	S2	8160	-0.037	0.299	2.3	0.5290	0.0000	OK
10080 minute summer	S14	8160	-0.037	0.272	0.3	0.4809	0.0000	OK
10080 minute summer	S15	8160	-0.037	0.309	5.0	1.3922	0.0000	OK
10080 minute summer	S75	8160	-0.036	0.326	9.0	0.8285	0.0000	OK
10080 minute summer	S87	8160	-0.037	0.249	0.8	0.8091	0.0000	OK
10080 minute summer	S88	8160	-0.037	0.271	1.7	0.8849	0.0000	OK
10080 minute summer	S89	8160	-0.037	0.293	2.6	0.9504	0.0000	OK
10080 minute summer	S90	8160	-0.036	0.316	3.3	1.0055	0.0000	OK
10080 minute summer	S92	8160	-0.036	0.343	12.8	0.8724	0.0000	OK
10080 minute summer	S81	8160	-0.036	0.266	0.8	0.8574	0.0000	OK
10080 minute summer	S82	8160	-0.037	0.287	1.7	0.9325	0.0000	OK
10080 minute summer	S83	8160	-0.037	0.308	2.5	0.9954	0.0000	OK
10080 minute summer	S84	8160	-0.037	0.330	3.3	1.0482	0.0000	OK
10080 minute summer	S86	8160	-0.036	0.357	16.0	0.9076	0.0000	OK
10080 minute summer	S76	8160	-0.037	0.280	0.8	0.9011	0.0000	OK
10080 minute summer	S77	8160	-0.037	0.302	1.7	0.9772	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S26	1.000	S16	0.3	0.050	0.004	4.3603	
10080 minute summer	S25	2.000	S16	0.2	0.040	0.003	3.5404	
10080 minute summer	S16	1.001	S145	1.9	0.125	0.027	8.7337	
10080 minute summer	S145	1.002	S75	3.9	0.118	0.055	10.6849	
10080 minute summer	S4	3.000	S5	0.4	0.078	0.006	6.6251	
10080 minute summer	S5	3.001	S11	0.9	0.101	0.013	8.1470	
10080 minute summer	S9	4.000	S10	0.5	0.061	0.008	5.0970	
10080 minute summer	S10	4.001	S11	0.3	0.040	0.004	0.9272	
10080 minute summer	S11	3.002	S12	1.2	0.086	0.017	1.9882	
10080 minute summer	S12	3.003	S15	1.4	0.059	0.020	2.6471	
10080 minute summer	S1	5.000	S3	1.2	0.105	0.017	7.6682	
10080 minute summer	S3	5.001	S2	2.0	0.106	0.028	6.1303	
10080 minute summer	S2	5.002	S15	2.3	0.089	0.033	2.4601	
10080 minute summer	S14	6.000	S15	-0.3	-0.003	-0.005	8.1067	
10080 minute summer	S15	3.004	S75	4.9	0.121	0.068	3.7452	
10080 minute summer	S75	1.003	S92	8.9	0.180	0.125	4.2514	
10080 minute summer	S87	7.000	S88	0.8	0.091	0.011	4.1231	
10080 minute summer	S88	7.001	S89	1.7	0.107	0.023	4.5398	
10080 minute summer	S89	7.002	S90	2.5	0.107	0.035	4.9505	
10080 minute summer	S90	7.003	S92	3.3	0.098	0.047	6.7736	
10080 minute summer	S92	1.005	S86	12.7	0.227	0.179	3.6780	
10080 minute summer	S81	8.000	S82	0.8	0.084	0.011	4.4277	
10080 minute summer	S82	8.001	S83	1.6	0.105	0.024	4.8282	
10080 minute summer	S83	8.002	S84	2.5	0.103	0.035	5.2185	
10080 minute summer	S84	8.003	S86	3.3	0.084	0.046	6.7133	
10080 minute summer	S86	1.006	S30	16.0	0.265	0.225	3.8244	
10080 minute summer	S76	9.000	S77	0.8	0.080	0.011	4.7077	
10080 minute summer	S77	9.001	S78	1.6	0.098	0.023	5.1115	

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Results for 100 year +20% CC 10080 minute summer. 11520 minute analysis at 60 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
10080 minute summer	S78	8160	-0.036	0.325	2.5	1.0430	0.0000	OK
10080 minute summer	S79	8160	-0.036	0.346	3.3	1.0918	0.0000	OK
10080 minute summer	S30	8160	-0.036	0.371	19.4	0.9432	0.0000	OK
10080 minute summer	S31	8160	-0.037	0.299	0.9	0.9911	0.0000	OK
10080 minute summer	S32	8160	-0.036	0.343	1.7	1.0577	0.0000	OK
10080 minute summer	S33	8160	-0.036	0.387	21.2	0.9837	0.0000	OK
10080 minute summer	S34	8160	-0.037	0.402	21.6	0.7112	0.0000	OK
10080 minute summer	S35	8160	-0.037	0.429	21.6	0.7585	0.0000	OK
10080 minute summer	S36	8100	-0.037	0.405	1.4	0.7158	0.0000	OK
10080 minute summer	S37	8160	-0.037	0.434	23.4	2.1345	0.0000	OK
10080 minute summer	S38	8160	-0.036	0.480	23.3	0.8476	0.0000	SURCHARGED
10080 minute summer	S39	8220	-0.037	0.525	23.2	0.9285	0.0000	SURCHARGED
10080 minute summer	S56	8220	-0.036	0.523	0.8	0.9235	0.0000	SURCHARGED
10080 minute summer	S57	8160	-0.037	0.528	23.1	1.3450	0.0000	SURCHARGED
10080 minute summer	S125	8400	-0.037	0.518	1.0	0.9160	0.0000	SURCHARGED
10080 minute summer	S127	8160	-0.036	0.543	23.0	1.3814	0.0000	SURCHARGED
10080 minute summer	S119	8400	-0.036	0.533	0.9	0.9418	0.0000	SURCHARGED
10080 minute summer	S60	8160	-0.037	0.556	22.9	1.4150	0.0000	SURCHARGED
10080 minute summer	Pond Inlet 1	8040	-0.036	0.574	22.7	1.0149	0.0000	OK
10080 minute summer	Pond Outlet	8160	-0.038	0.572	11.4	0.6468	0.0000	SURCHARGED
10080 minute summer	S13	8160	-0.038	0.600	5.6	2.0781	0.0000	SURCHARGED
10080 minute summer	Final Outfall	60	-0.740	0.000	5.6	0.0000	0.0000	OK
10080 minute summer	PP-S26	5160	0.514	0.014	0.3	0.2027	0.0000	OK
10080 minute summer	PP-S25	4680	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute summer	PP-S16	4980	0.513	0.013	0.4	0.1619	0.0000	OK
10080 minute summer	PP-S145	5100	0.513	0.013	0.5	0.1714	0.0000	OK
10080 minute summer	PP-S4	5100	0.514	0.014	0.4	0.1852	0.0000	OK
10080 minute summer	PP-S1	5220	0.519	0.019	0.9	3.1229	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S78	9.002	S79	2.5	0.103	0.036	5.4900	
10080 minute summer	S79	9.003	S30	3.3	0.076	0.045	6.5606	
10080 minute summer	S30	1.007	S33	19.4	0.307	0.272	4.5085	
10080 minute summer	S31	10.000	S32	0.9	0.085	0.012	10.4171	
10080 minute summer	S32	10.001	S33	1.6	0.043	0.023	11.8390	
10080 minute summer	S33	1.008	S34	21.1	0.327	0.299	4.7490	
10080 minute summer	S34	1.009	S35	21.5	0.321	0.303	8.2028	
10080 minute summer	S35	1.010	S37	21.6	0.313	0.325	1.7705	
10080 minute summer	S36	11.000	S37	-1.4	-0.043	-0.020	8.8305	
10080 minute summer	S37	1.011	S38	23.3	0.324	0.330	14.2522	
10080 minute summer	S38	1.012	S39	23.2	0.281	0.324	14.3287	
10080 minute summer	S39	1.013	S57	23.1	0.262	0.365	1.1814	
10080 minute summer	S56	12.011	S57	-0.8	-0.005	-0.011	2.0645	
10080 minute summer	S57	1.014	S127	23.0	0.256	0.326	4.4483	
10080 minute summer	S125	21.003	S127	1.1	0.007	0.016	7.8151	
10080 minute summer	S127	1.015	S60	22.9	0.238	0.321	4.3871	
10080 minute summer	S119	22.003	S60	1.5	0.010	0.022	7.8151	
10080 minute summer	S60	1.016	Pond Inlet 1	22.7	0.334	0.300	4.7280	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	11.4	0.007	0.000	3153.9663	
10080 minute summer	Pond Outlet	1.018	S13	5.6	0.080	0.079	0.4779	
10080 minute summer	S13	Pump	Final Outfall	5.6				947.9
10080 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
10080 minute summer	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
10080 minute summer	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
10080 minute summer	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
10080 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
10080 minute summer	PP-S1	4.000_1	S1	0.9	0.585	0.014	0.0077	

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Results for 100 year +20% CC 10080 minute summer. 11520 minute analysis at 60 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
10080 minute summer	PP-S5	5100	0.515	0.015	0.6	0.2410	0.0000	OK
10080 minute summer	PP-S12	4860	0.508	0.008	0.2	0.0962	0.0000	OK
10080 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S2	5040	0.510	0.010	0.3	0.2120	0.0000	OK
10080 minute summer	PP-S15	4680	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute summer	PP-S75	4740	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute summer	PP-S24	5100	0.513	0.013	0.6	0.2082	0.0000	OK
10080 minute summer	PP-S30	4800	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute summer	PP-S33	4560	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute summer	PP-S34	5040	0.511	0.011	0.5	0.1713	0.0000	OK
10080 minute summer	PP-S35	4740	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute summer	PP-S36	5040	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
10080 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
10080 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
10080 minute summer	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
10080 minute summer	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
10080 minute summer	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
10080 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
10080 minute summer	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
10080 minute summer	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
10080 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
10080 minute summer	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +20% CC 10080 minute winter. 11520 minute analysis at 60 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
10080 minute winter	S26	7260	-0.029	0.209	0.2	0.3693	0.0000	OK
10080 minute winter	S25	7260	-0.029	0.215	0.2	0.5471	0.0000	OK
10080 minute winter	S16	7260	-0.029	0.238	1.5	1.0551	0.0000	OK
10080 minute winter	S145	7260	-0.029	0.286	2.8	1.2315	0.0000	OK
10080 minute winter	S4	7200	-0.029	0.214	0.3	0.3779	0.0000	OK
10080 minute winter	S5	7200	-0.029	0.255	0.7	0.4505	0.0000	OK
10080 minute winter	S9	7200	-0.029	0.267	1.1	0.6155	0.0000	OK
10080 minute winter	S10	7260	-0.029	0.292	0.6	0.5158	0.0000	OK
10080 minute winter	S11	7260	-0.029	0.297	0.9	0.5246	0.0000	OK
10080 minute winter	S12	7260	-0.029	0.306	0.9	0.5406	0.0000	OK
10080 minute winter	S1	7200	-0.029	0.235	0.9	0.5533	0.0000	OK
10080 minute winter	S3	7200	-0.029	0.278	1.5	0.8888	0.0000	OK
10080 minute winter	S2	7260	-0.029	0.307	1.6	0.5425	0.0000	OK
10080 minute winter	S14	7200	-0.029	0.280	0.3	0.4945	0.0000	OK
10080 minute winter	S15	7200	-0.029	0.317	3.5	1.4265	0.0000	OK
10080 minute winter	S75	7200	-0.029	0.333	6.4	0.8473	0.0000	OK
10080 minute winter	S87	7200	-0.029	0.257	0.7	0.8334	0.0000	OK
10080 minute winter	S88	7200	-0.029	0.279	1.2	0.9098	0.0000	OK
10080 minute winter	S89	7260	-0.029	0.301	1.8	0.9756	0.0000	OK
10080 minute winter	S90	7260	-0.029	0.323	2.4	1.0285	0.0000	OK
10080 minute winter	S92	7200	-0.029	0.350	9.0	0.8905	0.0000	OK
10080 minute winter	S81	7200	-0.029	0.273	0.6	0.8815	0.0000	OK
10080 minute winter	S82	7200	-0.029	0.295	1.2	0.9576	0.0000	OK
10080 minute winter	S83	7200	-0.029	0.316	1.8	1.0199	0.0000	OK
10080 minute winter	S84	7260	-0.029	0.338	2.4	1.0716	0.0000	OK
10080 minute winter	S86	7260	-0.029	0.364	11.3	0.9260	0.0000	OK
10080 minute winter	S76	7200	-0.029	0.288	0.6	0.9258	0.0000	OK
10080 minute winter	S77	7200	-0.029	0.310	1.2	1.0023	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S26	1.000	S16	0.2	0.050	0.003	4.5612	
10080 minute winter	S25	2.000	S16	0.2	0.040	0.003	3.7005	
10080 minute winter	S16	1.001	S145	1.4	0.119	0.020	9.0582	
10080 minute winter	S145	1.002	S75	2.8	0.119	0.040	10.9832	
10080 minute winter	S4	3.000	S5	0.3	0.078	0.004	6.9031	
10080 minute winter	S5	3.001	S11	0.7	0.101	0.010	8.4205	
10080 minute winter	S9	4.000	S10	-1.1	0.061	-0.016	5.2635	
10080 minute winter	S10	4.001	S11	-0.6	0.040	-0.008	0.9556	
10080 minute winter	S11	3.002	S12	0.8	0.086	0.012	2.0470	
10080 minute winter	S12	3.003	S15	0.9	0.059	0.014	2.7212	
10080 minute winter	S1	5.000	S3	0.9	0.106	0.012	7.9519	
10080 minute winter	S3	5.001	S2	1.4	0.106	0.020	6.3175	
10080 minute winter	S2	5.002	S15	1.6	0.089	0.024	2.5286	
10080 minute winter	S14	6.000	S15	-0.3	-0.004	-0.005	8.3509	
10080 minute winter	S15	3.004	S75	3.5	0.122	0.049	3.8408	
10080 minute winter	S75	1.003	S92	6.3	0.173	0.089	4.3460	
10080 minute winter	S87	7.000	S88	-0.6	0.088	-0.009	4.2678	
10080 minute winter	S88	7.001	S89	1.2	0.107	0.017	4.6832	
10080 minute winter	S89	7.002	S90	1.8	0.107	0.025	5.0861	
10080 minute winter	S90	7.003	S92	2.3	0.096	0.033	6.9261	
10080 minute winter	S92	1.005	S86	9.0	0.217	0.127	3.7509	
10080 minute winter	S81	8.000	S82	0.6	0.083	0.008	4.5709	
10080 minute winter	S82	8.001	S83	1.2	0.105	0.017	4.9686	
10080 minute winter	S83	8.002	S84	1.8	0.103	0.025	5.3498	
10080 minute winter	S84	8.003	S86	2.3	0.081	0.033	6.8549	
10080 minute winter	S86	1.006	S30	11.3	0.254	0.159	3.8941	
10080 minute winter	S76	9.000	S77	0.6	0.079	0.008	4.8506	
10080 minute winter	S77	9.001	S78	1.2	0.098	0.016	5.2460	

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Results for 100 year +20% CC 10080 minute winter. 11520 minute analysis at 60 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
10080 minute winter	S78	7200	-0.029	0.332	1.8	1.0668	0.0000	OK
10080 minute winter	S79	7200	-0.029	0.353	2.3	1.1149	0.0000	OK
10080 minute winter	S30	7200	-0.029	0.378	13.7	0.9615	0.0000	OK
10080 minute winter	S31	7200	-0.029	0.307	0.7	1.0162	0.0000	OK
10080 minute winter	S32	7200	-0.029	0.350	1.3	1.0802	0.0000	OK
10080 minute winter	S33	7260	-0.029	0.394	14.9	1.0021	0.0000	OK
10080 minute winter	S34	7260	-0.029	0.410	15.2	0.7241	0.0000	OK
10080 minute winter	S35	7260	-0.029	0.437	15.2	0.7714	0.0000	OK
10080 minute winter	S36	7260	-0.030	0.412	1.4	0.7284	0.0000	OK
10080 minute winter	S37	7260	-0.029	0.442	16.6	2.1704	0.0000	OK
10080 minute winter	S38	7260	-0.029	0.487	16.5	0.8597	0.0000	SURCHARGED
10080 minute winter	S39	7260	-0.029	0.533	16.4	0.9411	0.0000	SURCHARGED
10080 minute winter	S56	7200	-0.029	0.530	0.6	0.9360	0.0000	SURCHARGED
10080 minute winter	S57	7260	-0.030	0.535	16.3	1.3628	0.0000	SURCHARGED
10080 minute winter	S125	7320	-0.029	0.526	0.8	0.9287	0.0000	SURCHARGED
10080 minute winter	S127	7260	-0.030	0.549	16.3	1.3978	0.0000	SURCHARGED
10080 minute winter	S119	7440	-0.030	0.539	1.1	0.9524	0.0000	SURCHARGED
10080 minute winter	S60	7260	-0.030	0.563	16.2	1.4321	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	7740	-0.026	0.584	31.3	1.0321	0.0000	OK
10080 minute winter	Pond Outlet	7260	-0.032	0.578	23.4	0.6540	0.0000	SURCHARGED
10080 minute winter	S13	7260	-0.032	0.606	5.8	2.0988	0.0000	SURCHARGED
10080 minute winter	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
10080 minute winter	PP-S26	4440	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute winter	PP-S25	4740	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute winter	PP-S16	4560	0.511	0.011	0.3	0.1261	0.0000	OK
10080 minute winter	PP-S145	4200	0.510	0.010	0.3	0.1113	0.0000	OK
10080 minute winter	PP-S4	4800	0.512	0.012	0.3	0.1429	0.0000	OK
10080 minute winter	PP-S1	5340	0.517	0.017	0.7	2.4731	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S78	9.002	S79	1.7	0.100	0.025	5.6127	
10080 minute winter	S79	9.003	S30	2.3	0.070	0.032	6.6854	
10080 minute winter	S30	1.007	S33	13.7	0.296	0.192	4.5817	
10080 minute winter	S31	10.000	S32	0.7	0.085	0.009	10.6740	
10080 minute winter	S32	10.001	S33	1.2	0.038	0.017	12.0517	
10080 minute winter	S33	1.008	S34	14.9	0.313	0.211	4.8157	
10080 minute winter	S34	1.009	S35	15.1	0.308	0.213	8.2889	
10080 minute winter	S35	1.010	S37	15.2	0.300	0.229	1.7832	
10080 minute winter	S36	11.000	S37	1.4	0.011	0.020	8.9160	
10080 minute winter	S37	1.011	S38	16.5	0.316	0.233	14.2965	
10080 minute winter	S38	1.012	S39	16.4	0.288	0.229	14.3287	
10080 minute winter	S39	1.013	S57	16.3	0.274	0.257	1.1814	
10080 minute winter	S56	12.011	S57	-0.6	-0.008	-0.009	2.0645	
10080 minute winter	S57	1.014	S127	16.3	0.272	0.230	4.4483	
10080 minute winter	S125	21.003	S127	1.2	-0.009	0.018	7.8151	
10080 minute winter	S127	1.015	S60	16.2	0.267	0.227	4.3871	
10080 minute winter	S119	22.003	S60	1.3	0.008	0.019	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	16.0	0.370	0.212	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	23.4	0.007	0.000	3192.1091	
10080 minute winter	Pond Outlet	1.018	S13	5.8	0.082	0.081	0.4779	
10080 minute winter	S13	Pump	Final Outfall	5.8				1425.8
10080 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
10080 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
10080 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
10080 minute winter	PP-S145	4.000_2	S145	0.3	0.500	0.004	0.0030	
10080 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
10080 minute winter	PP-S1	4.000_1	S1	0.7	0.542	0.011	0.0065	

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Results for 100 year +20% CC 10080 minute winter. 11520 minute analysis at 60 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
10080 minute winter	PP-S5	4620	0.512	0.012	0.4	0.1671	0.0000	OK
10080 minute winter	PP-S12	3120	0.506	0.006	0.1	0.0530	0.0000	OK
10080 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S2	4260	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute winter	PP-S15	4740	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute winter	PP-S75	4800	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute winter	PP-S24	4620	0.510	0.010	0.4	0.1471	0.0000	OK
10080 minute winter	PP-S30	5100	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute winter	PP-S33	4500	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute winter	PP-S34	4200	0.509	0.009	0.3	0.1114	0.0000	OK
10080 minute winter	PP-S35	4920	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute winter	PP-S36	4800	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	PP-S5	2.000_2	S5	0.4	0.494	0.005	0.0040	
10080 minute winter	PP-S12	8.000_1	S12	0.1	0.380	0.001	0.0013	
10080 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
10080 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
10080 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
10080 minute winter	PP-S24	14.000_1	S92	0.4	0.623	0.004	0.0032	
10080 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
10080 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
10080 minute winter	PP-S34	21.000_1	S34	0.3	0.636	0.003	0.0024	
10080 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
10080 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

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Results for 100 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S26	23	0.769	1.007	78.6	1.7794	0.0000	SURCHARGED
15 minute summer	S25	23	0.764	1.008	84.1	2.5649	0.0000	SURCHARGED
15 minute summer	S16	23	0.764	1.031	242.3	4.5724	0.0000	SURCHARGED
15 minute summer	S145	15	0.757	1.072	198.9	4.6146	0.0000	SURCHARGED
15 minute summer	S4	26	0.720	0.963	118.5	1.7013	0.0000	SURCHARGED
15 minute summer	S5	25	0.716	1.000	190.0	1.7669	0.0000	SURCHARGED
15 minute summer	S9	13	0.737	1.033	80.9	2.3789	0.0000	SURCHARGED
15 minute summer	S10	25	0.708	1.029	80.8	1.8187	0.0000	SURCHARGED
15 minute summer	S11	23	0.709	1.035	222.1	1.8289	0.0000	SURCHARGED
15 minute summer	S12	23	0.707	1.042	227.6	1.8417	0.0000	SURCHARGED
15 minute summer	S1	11	0.785	1.049	96.2	2.4706	0.0000	SURCHARGED
15 minute summer	S3	24	0.705	1.012	100.2	3.2352	0.0000	SURCHARGED
15 minute summer	S2	23	0.706	1.042	59.4	1.8409	0.0000	SURCHARGED
15 minute summer	S14	29	0.693	1.002	99.3	1.7710	0.0000	SURCHARGED
15 minute summer	S15	23	0.707	1.053	279.2	4.7377	0.0000	SURCHARGED
15 minute summer	S75	17	0.755	1.117	313.6	2.8417	0.0000	SURCHARGED
15 minute summer	S87	10	1.300	1.586	85.2	5.1450	7.3457	FLOOD
15 minute summer	S88	10	1.300	1.608	140.8	5.2437	7.3239	FLOOD
15 minute summer	S89	11	1.290	1.620	193.1	5.2501	0.0000	FLOOD RISK
15 minute summer	S90	11	1.202	1.554	250.8	4.9491	0.0000	FLOOD RISK
15 minute summer	S92	12	0.928	1.307	376.5	3.3269	0.0000	SURCHARGED
15 minute summer	S81	10	1.300	1.602	85.2	5.1729	8.4843	FLOOD
15 minute summer	S82	10	1.300	1.624	137.0	5.2731	8.7310	FLOOD
15 minute summer	S83	11	1.300	1.645	186.9	5.3101	0.4065	FLOOD
15 minute summer	S84	11	1.240	1.607	247.2	5.0980	0.0000	FLOOD RISK
15 minute summer	S86	12	1.000	1.393	219.5	3.5464	0.0000	SURCHARGED
15 minute summer	S76	10	1.300	1.617	85.2	5.1987	8.3470	FLOOD
15 minute summer	S77	10	1.300	1.639	135.9	5.2989	7.8740	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S26	1.000	S16	-74.8	-0.472	-1.057	9.2005	
15 minute summer	S25	2.000	S16	-79.7	-0.503	-1.130	7.3393	
15 minute summer	S16	1.001	S145	-166.3	-1.050	-2.332	15.0038	
15 minute summer	S145	1.002	S75	-99.1	-0.626	-1.405	15.0038	
15 minute summer	S4	3.000	S5	-110.4	-0.785	-1.565	13.1095	
15 minute summer	S5	3.001	S11	-176.9	-1.117	-2.479	13.1095	
15 minute summer	S9	4.000	S10	-51.2	0.498	-0.729	8.0648	
15 minute summer	S10	4.001	S11	-80.8	0.596	-1.062	1.3780	
15 minute summer	S11	3.002	S12	-222.1	-1.402	-3.148	2.8740	
15 minute summer	S12	3.003	S15	-223.7	-1.412	-3.249	3.6838	
15 minute summer	S1	5.000	S3	-64.1	-0.405	-0.902	13.5151	
15 minute summer	S3	5.001	S2	57.0	0.594	0.805	9.1848	
15 minute summer	S2	5.002	S15	-53.1	0.366	-0.779	3.4165	
15 minute summer	S14	6.000	S15	-99.3	-0.668	-1.410	11.8707	
15 minute summer	S15	3.004	S75	-203.1	-1.282	-2.837	4.9661	
15 minute summer	S75	1.003	S92	-309.3	-1.953	-4.347	5.3380	
15 minute summer	S87	7.000	S88	53.3	0.337	0.748	6.8747	
15 minute summer	S88	7.001	S89	105.6	0.667	1.481	6.8747	
15 minute summer	S89	7.002	S90	165.5	1.045	2.320	6.8747	
15 minute summer	S90	7.003	S92	227.7	1.437	3.232	8.6413	
15 minute summer	S92	1.005	S86	-155.3	-0.981	-2.186	4.4095	
15 minute summer	S81	8.000	S82	49.5	0.313	0.694	6.8747	
15 minute summer	S82	8.001	S83	99.4	0.627	1.427	6.8747	
15 minute summer	S83	8.002	S84	161.9	1.022	2.270	6.8747	
15 minute summer	S84	8.003	S86	219.5	1.385	3.091	8.1975	
15 minute summer	S86	1.006	S30	124.1	0.783	1.748	4.4165	
15 minute summer	S76	9.000	S77	48.5	0.306	0.680	6.8747	
15 minute summer	S77	9.001	S78	105.7	0.667	1.482	6.8747	

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Results for 100 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S78	11	1.300	1.661	193.2	5.3385	0.3559	FLOOD
15 minute summer	S79	11	1.231	1.613	248.0	5.0947	0.0000	FLOOD RISK
15 minute summer	S30	12	0.993	1.400	289.9	3.5619	0.0000	SURCHARGED
15 minute summer	S31	11	1.290	1.626	96.7	5.3837	0.0000	FLOOD RISK
15 minute summer	S32	11	1.136	1.515	174.6	4.6773	0.0000	FLOOD RISK
15 minute summer	S33	12	0.905	1.328	326.8	3.3804	0.0000	SURCHARGED
15 minute summer	S34	15	0.755	1.194	231.3	2.1106	0.0000	SURCHARGED
15 minute summer	S35	16	0.682	1.148	225.9	2.0285	0.0000	SURCHARGED
15 minute summer	S36	17	0.651	1.093	68.5	1.9312	0.0000	SURCHARGED
15 minute summer	S37	16	0.654	1.125	300.8	5.5286	0.0000	SURCHARGED
15 minute summer	S38	18	0.371	0.887	244.6	1.5672	0.0000	SURCHARGED
15 minute summer	S39	18	0.102	0.664	211.8	1.1739	0.0000	SURCHARGED
15 minute summer	S56	18	0.054	0.613	18.2	1.0830	0.0000	SURCHARGED
15 minute summer	S57	18	0.054	0.619	189.5	1.5756	0.0000	SURCHARGED
15 minute summer	S125	19	-0.049	0.506	48.4	0.8942	0.0000	SURCHARGED
15 minute summer	S127	19	-0.052	0.527	183.1	1.3415	0.0000	SURCHARGED
15 minute summer	S119	17	-0.141	0.428	35.7	0.7555	0.0000	OK
15 minute summer	S60	19	-0.150	0.443	171.0	1.1280	0.0000	OK
15 minute summer	Pond Inlet 1	19	-0.281	0.329	166.0	0.5813	0.0000	OK
15 minute summer	Pond Outlet	1381	-0.415	0.195	138.5	0.2204	0.0000	OK
15 minute summer	S13	1340	-0.415	0.223	1.2	0.7724	0.0000	OK
15 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute summer	PP-S26	23	0.773	0.273	48.2	26.8593	0.0000	SURCHARGED
15 minute summer	PP-S25	24	0.764	0.264	57.0	22.5328	0.0000	SURCHARGED
15 minute summer	PP-S16	23	0.768	0.268	73.4	37.8500	0.0000	SURCHARGED
15 minute summer	PP-S145	21	0.756	0.256	86.1	37.5887	0.0000	SURCHARGED
15 minute summer	PP-S4	26	0.721	0.221	49.4	27.9046	0.0000	OK
15 minute summer	PP-S1	30	0.707	0.207	88.8	70.1098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S78	9.002	S79	162.7	1.027	2.336	6.8745	
15 minute summer	S79	9.003	S30	219.7	1.387	3.055	7.6907	
15 minute summer	S30	1.007	S33	227.5	1.436	3.195	5.0209	
15 minute summer	S31	10.000	S32	97.6	0.616	1.380	13.6740	
15 minute summer	S32	10.001	S33	175.5	1.108	2.454	13.6740	
15 minute summer	S33	1.008	S34	231.3	1.460	3.279	5.1108	
15 minute summer	S34	1.009	S35	224.2	1.415	3.156	8.5103	
15 minute summer	S35	1.010	S37	207.5	1.310	3.123	1.7947	
15 minute summer	S36	11.000	S37	-60.5	-0.404	-0.851	9.1184	
15 minute summer	S37	1.011	S38	244.6	1.544	3.462	14.3287	
15 minute summer	S38	1.012	S39	211.8	1.365	2.964	14.3287	
15 minute summer	S39	1.013	S57	189.5	1.372	2.991	1.1814	
15 minute summer	S56	12.011	S57	-18.2	-0.312	-0.268	2.0645	
15 minute summer	S57	1.014	S127	183.1	1.310	2.589	4.4483	
15 minute summer	S125	21.003	S127	-48.4	-0.697	-0.693	7.8151	
15 minute summer	S127	1.015	S60	171.0	1.377	2.401	4.3802	
15 minute summer	S119	22.003	S60	-35.7	-0.592	-0.510	7.6902	
15 minute summer	S60	1.016	Pond Inlet 1	166.0	1.147	2.192	4.2092	
15 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	138.5	0.055	0.003	1004.6265	
15 minute summer	Pond Outlet	1.018	S13	1.2	0.335	0.017	0.3549	
15 minute summer	S13	Pump	Final Outfall	0.0				0.0
15 minute summer	PP-S26	1.000_1	S26	-36.2	-1.359	-0.943	0.3977	
15 minute summer	PP-S25	2.000_1	S25	-46.6	-1.713	-0.811	0.1989	
15 minute summer	PP-S16	3.000_1	S16	-53.9	-1.674	-0.799	0.1989	
15 minute summer	PP-S145	4.000_2	S145	-64.6	-2.064	-0.765	0.1989	
15 minute summer	PP-S4	1.000_2	S4	-32.0	-1.348	-0.562	0.1984	
15 minute summer	PP-S1	4.000_1	S1	-42.9	-1.449	-0.648	0.1952	

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Results for 100 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 98.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	PP-S5	25	0.717	0.217	49.7	33.2778	0.0000	OK
15 minute summer	PP-S12	22	0.709	0.209	56.1	21.0332	0.0000	OK
15 minute summer	PP-S14	46	0.658	0.158	56.5	77.0849	0.0000	OK
15 minute summer	PP-S2	20	0.709	0.209	60.9	22.1463	0.0000	OK
15 minute summer	PP-S15	17	0.709	0.209	44.5	11.5731	0.0000	OK
15 minute summer	PP-S75	17	0.761	0.261	69.1	16.1231	0.0000	SURCHARGED
15 minute summer	PP-S24	18	0.819	0.319	131.8	44.9429	0.0000	SURCHARGED
15 minute summer	PP-S30	15	0.937	0.437	123.5	25.4868	0.0000	SURCHARGED
15 minute summer	PP-S33	15	0.870	0.370	107.0	22.0649	0.0000	SURCHARGED
15 minute summer	PP-S34	19	0.755	0.255	87.3	32.4984	0.0000	SURCHARGED
15 minute summer	PP-S35	16	0.684	0.184	26.2	4.8860	0.0000	OK
15 minute summer	PP-S36	19	0.654	0.154	38.0	15.1355	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	PP-S5	2.000_2	S5	-23.3	1.351	-0.314	0.1977	
15 minute summer	PP-S12	8.000_1	S12	-46.7	-1.677	-0.514	0.1955	
15 minute summer	PP-S14	11.000_1	S14	-55.8	-1.909	-0.673	0.1741	
15 minute summer	PP-S2	10.000_1	S2	-47.2	-1.524	-0.517	0.1956	
15 minute summer	PP-S15	12.000_1	S15	-34.1	1.207	-0.361	0.1957	
15 minute summer	PP-S75	13.000_1	S75	-59.1	-1.886	-0.598	0.1989	
15 minute summer	PP-S24	14.000_1	S92	-106.8	-3.051	-1.041	0.1989	
15 minute summer	PP-S30	18.000_1	S30	-114.4	-3.028	-1.028	0.1989	
15 minute summer	PP-S33	20.000_1	S33	-96.4	-2.817	-0.844	0.1989	
15 minute summer	PP-S34	21.000_1	S34	-65.9	-2.047	-0.557	0.1989	
15 minute summer	PP-S35	22.000_2	S35	-23.0	1.092	-0.185	0.1864	
15 minute summer	PP-S36	23.000_2	S36	37.8	1.663	0.318	0.1719	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S26	23	0.810	1.048	39.8	1.8524	0.0000	SURCHARGED
15 minute winter	S25	23	0.804	1.048	60.5	2.6667	0.0000	SURCHARGED
15 minute winter	S16	23	0.805	1.072	208.0	4.7549	0.0000	SURCHARGED
15 minute winter	S145	15	0.797	1.112	197.7	4.7877	0.0000	SURCHARGED
15 minute winter	S4	12	0.825	1.068	105.4	1.8867	0.0000	SURCHARGED
15 minute winter	S5	26	0.748	1.032	168.2	1.8240	0.0000	SURCHARGED
15 minute winter	S9	26	0.741	1.037	34.9	2.3884	0.0000	SURCHARGED
15 minute winter	S10	25	0.741	1.062	60.8	1.8757	0.0000	SURCHARGED
15 minute winter	S11	25	0.740	1.066	257.9	1.8841	0.0000	SURCHARGED
15 minute winter	S12	23	0.739	1.074	233.5	1.8983	0.0000	SURCHARGED
15 minute winter	S1	29	0.740	1.004	50.0	2.3637	0.0000	SURCHARGED
15 minute winter	S3	27	0.737	1.044	104.9	3.3390	0.0000	SURCHARGED
15 minute winter	S2	23	0.738	1.074	82.2	1.8984	0.0000	SURCHARGED
15 minute winter	S14	31	0.717	1.026	61.4	1.8135	0.0000	SURCHARGED
15 minute winter	S15	23	0.739	1.085	291.2	4.8838	0.0000	SURCHARGED
15 minute winter	S75	16	0.802	1.164	310.8	2.9618	0.0000	SURCHARGED
15 minute winter	S87	10	1.300	1.586	89.5	5.1450	11.0878	FLOOD
15 minute winter	S88	10	1.300	1.608	134.2	5.2437	10.5024	FLOOD
15 minute winter	S89	10	1.300	1.630	167.5	5.2828	0.2906	FLOOD
15 minute winter	S90	10	1.202	1.554	249.8	4.9501	0.0000	FLOOD RISK
15 minute winter	S92	13	0.966	1.345	401.4	3.4241	0.0000	SURCHARGED
15 minute winter	S81	10	1.300	1.602	89.5	5.1729	11.4199	FLOOD
15 minute winter	S82	10	1.300	1.624	131.8	5.2731	12.1959	FLOOD
15 minute winter	S83	10	1.300	1.645	166.5	5.3101	1.5672	FLOOD
15 minute winter	S84	10	1.222	1.589	230.7	5.0397	0.0000	FLOOD RISK
15 minute winter	S86	13	1.029	1.422	232.8	3.6185	0.0000	SURCHARGED
15 minute winter	S76	10	1.300	1.617	89.5	5.1987	11.4801	FLOOD
15 minute winter	S77	10	1.300	1.639	131.3	5.2989	11.2094	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S26	1.000	S16	-39.8	-0.307	-0.562	9.2005	
15 minute winter	S25	2.000	S16	-60.5	-0.382	-0.858	7.3393	
15 minute winter	S16	1.001	S145	-128.8	-0.845	-1.805	15.0038	
15 minute winter	S145	1.002	S75	-88.6	-0.559	-1.256	15.0038	
15 minute winter	S4	3.000	S5	-105.4	-0.665	-1.495	13.1095	
15 minute winter	S5	3.001	S11	-155.9	-1.046	-2.184	13.1095	
15 minute winter	S9	4.000	S10	60.8	0.506	0.866	8.0648	
15 minute winter	S10	4.001	S11	53.1	0.655	0.698	1.3780	
15 minute winter	S11	3.002	S12	-204.8	-1.293	-2.903	2.8740	
15 minute winter	S12	3.003	S15	-228.9	-1.445	-3.325	3.6838	
15 minute winter	S1	5.000	S3	-43.3	-0.273	-0.608	13.5151	
15 minute winter	S3	5.001	S2	82.2	0.591	1.160	9.1848	
15 minute winter	S2	5.002	S15	-60.5	0.418	-0.888	3.4165	
15 minute winter	S14	6.000	S15	-61.4	-0.605	-0.873	11.8707	
15 minute winter	S15	3.004	S75	-196.4	-1.240	-2.744	4.9661	
15 minute winter	S75	1.003	S92	-305.7	-1.930	-4.296	5.3380	
15 minute winter	S87	7.000	S88	45.7	0.303	0.640	6.8747	
15 minute winter	S88	7.001	S89	89.6	0.566	1.257	6.8747	
15 minute winter	S89	7.002	S90	160.2	1.011	2.246	6.8747	
15 minute winter	S90	7.003	S92	245.6	1.550	3.485	8.6413	
15 minute winter	S92	1.005	S86	-155.9	-0.984	-2.194	4.4095	
15 minute winter	S81	8.000	S82	41.0	0.301	0.575	6.8747	
15 minute winter	S82	8.001	S83	80.1	0.506	1.150	6.8747	
15 minute winter	S83	8.002	S84	141.2	0.891	1.979	6.8747	
15 minute winter	S84	8.003	S86	232.8	1.470	3.279	8.1975	
15 minute winter	S86	1.006	S30	126.3	0.797	1.779	4.4165	
15 minute winter	S76	9.000	S77	43.2	0.303	0.606	6.8747	
15 minute winter	S77	9.001	S78	83.9	0.530	1.177	6.8747	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S78	10	1.300	1.661	170.3	5.3385	1.1941	FLOOD
15 minute winter	S79	11	1.216	1.598	237.1	5.0473	0.0000	FLOOD RISK
15 minute winter	S30	13	1.026	1.433	302.9	3.6479	0.0000	SURCHARGED
15 minute winter	S31	10	1.292	1.628	96.6	5.3908	0.0000	FLOOD RISK
15 minute winter	S32	10	1.280	1.659	181.4	5.1219	0.0000	FLOOD RISK
15 minute winter	S33	13	0.939	1.362	339.6	3.4651	0.0000	SURCHARGED
15 minute winter	S34	16	0.817	1.256	244.4	2.2194	0.0000	SURCHARGED
15 minute winter	S35	16	0.733	1.199	221.1	2.1183	0.0000	SURCHARGED
15 minute winter	S36	16	0.699	1.141	42.0	2.0159	0.0000	SURCHARGED
15 minute winter	S37	16	0.704	1.175	318.7	5.7768	0.0000	SURCHARGED
15 minute winter	S38	16	0.409	0.925	222.9	1.6344	0.0000	SURCHARGED
15 minute winter	S39	19	0.119	0.681	194.5	1.2039	0.0000	SURCHARGED
15 minute winter	S56	19	0.070	0.629	28.0	1.1106	0.0000	SURCHARGED
15 minute winter	S57	19	0.069	0.634	193.2	1.6145	0.0000	SURCHARGED
15 minute winter	S125	16	-0.030	0.525	64.3	0.9282	0.0000	SURCHARGED
15 minute winter	S127	17	-0.036	0.543	195.1	1.3814	0.0000	SURCHARGED
15 minute winter	S119	18	-0.137	0.432	43.5	0.7640	0.0000	OK
15 minute winter	S60	18	-0.140	0.453	171.3	1.1522	0.0000	SURCHARGED
15 minute winter	Pond Inlet 1	20	-0.276	0.334	170.7	0.5902	0.0000	OK
15 minute winter	Pond Outlet	1357	-0.396	0.214	144.8	0.2416	0.0000	OK
15 minute winter	S13	630	-0.396	0.242	1.1	0.8371	0.0000	OK
15 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
15 minute winter	PP-S26	23	0.814	0.314	63.5	31.3518	0.0000	SURCHARGED
15 minute winter	PP-S25	24	0.804	0.304	76.8	26.3215	0.0000	SURCHARGED
15 minute winter	PP-S16	23	0.808	0.308	90.8	44.8151	0.0000	SURCHARGED
15 minute winter	PP-S145	22	0.798	0.298	94.1	44.9674	0.0000	SURCHARGED
15 minute winter	PP-S4	27	0.753	0.253	57.0	32.9452	0.0000	SURCHARGED
15 minute winter	PP-S1	30	0.740	0.240	112.4	81.7997	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	S78	9.002	S79	147.6	0.932	2.119	6.8745	
15 minute winter	S79	9.003	S30	238.3	1.504	3.314	7.6907	
15 minute winter	S30	1.007	S33	226.8	1.432	3.187	5.0209	
15 minute winter	S31	10.000	S32	97.2	0.614	1.375	13.6740	
15 minute winter	S32	10.001	S33	176.4	1.113	2.466	13.6740	
15 minute winter	S33	1.008	S34	233.7	1.475	3.313	5.1108	
15 minute winter	S34	1.009	S35	219.2	1.383	3.086	8.5103	
15 minute winter	S35	1.010	S37	200.1	1.263	3.012	1.7947	
15 minute winter	S36	11.000	S37	42.4	0.268	0.597	9.1184	
15 minute winter	S37	1.011	S38	222.9	1.407	3.155	14.3287	
15 minute winter	S38	1.012	S39	194.5	1.228	2.722	14.3287	
15 minute winter	S39	1.013	S57	193.2	1.257	3.049	1.1814	
15 minute winter	S56	12.011	S57	-28.0	-0.591	-0.412	2.0645	
15 minute winter	S57	1.014	S127	186.0	1.418	2.630	4.4483	
15 minute winter	S125	21.003	S127	-64.3	-0.654	-0.921	7.8151	
15 minute winter	S127	1.015	S60	170.6	1.186	2.395	4.3863	
15 minute winter	S119	22.003	S60	-43.5	-0.526	-0.622	7.7637	
15 minute winter	S60	1.016	Pond Inlet 1	170.7	1.165	2.255	4.2449	
15 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	144.8	0.056	0.003	1106.3180	
15 minute winter	Pond Outlet	1.018	S13	1.1	0.337	0.016	0.3885	
15 minute winter	S13	Pump	Final Outfall	0.0				0.0
15 minute winter	PP-S26	1.000_1	S26	-50.6	-1.771	-1.318	0.3977	
15 minute winter	PP-S25	2.000_1	S25	-65.7	-2.321	-1.143	0.1989	
15 minute winter	PP-S16	3.000_1	S16	-71.0	-2.414	-1.052	0.1989	
15 minute winter	PP-S145	4.000_2	S145	-68.6	-1.922	-0.813	0.1989	
15 minute winter	PP-S4	1.000_2	S4	-37.5	-1.342	-0.657	0.1989	
15 minute winter	PP-S1	4.000_1	S1	-66.9	-2.433	-1.009	0.1989	

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Results for 100 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	PP-S5	26	0.749	0.249	59.5	39.7238	0.0000	SURCHARGED
15 minute winter	PP-S12	22	0.740	0.240	67.9	24.5165	0.0000	SURCHARGED
15 minute winter	PP-S14	48	0.686	0.186	62.2	94.7409	0.0000	OK
15 minute winter	PP-S2	20	0.742	0.242	68.8	25.8980	0.0000	SURCHARGED
15 minute winter	PP-S15	17	0.740	0.240	49.5	13.4509	0.0000	SURCHARGED
15 minute winter	PP-S75	17	0.809	0.309	74.4	19.2837	0.0000	SURCHARGED
15 minute winter	PP-S24	18	0.873	0.373	136.2	53.4422	0.0000	SURCHARGED
15 minute winter	PP-S30	15	1.012	0.512	110.7	29.9954	0.0000	SURCHARGED
15 minute winter	PP-S33	16	0.944	0.444	110.3	26.6685	0.0000	SURCHARGED
15 minute winter	PP-S34	19	0.808	0.308	95.4	40.0296	0.0000	SURCHARGED
15 minute winter	PP-S35	16	0.732	0.232	24.7	6.2008	0.0000	SURCHARGED
15 minute winter	PP-S36	19	0.703	0.203	53.4	21.1139	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	PP-S5	2.000_2	S5	-30.6	1.327	-0.413	0.1989	
15 minute winter	PP-S12	8.000_1	S12	-57.4	-1.929	-0.631	0.1989	
15 minute winter	PP-S14	11.000_1	S14	-61.5	-2.083	-0.743	0.1873	
15 minute winter	PP-S2	10.000_1	S2	-53.4	-1.612	-0.585	0.1989	
15 minute winter	PP-S15	12.000_1	S15	-37.5	1.245	-0.398	0.1989	
15 minute winter	PP-S75	13.000_1	S75	-63.1	-1.824	-0.639	0.1989	
15 minute winter	PP-S24	14.000_1	S92	-108.2	-3.027	-1.054	0.1989	
15 minute winter	PP-S30	18.000_1	S30	-100.6	-3.055	-0.904	0.1989	
15 minute winter	PP-S33	20.000_1	S33	-98.5	-2.602	-0.862	0.1989	
15 minute winter	PP-S34	21.000_1	S34	-70.7	-2.072	-0.598	0.1989	
15 minute winter	PP-S35	22.000_2	S35	-21.0	1.015	-0.169	0.1989	
15 minute winter	PP-S36	23.000_2	S36	42.0	1.587	0.353	0.1939	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S26	34	0.866	1.104	72.2	1.9503	0.0000	SURCHARGED
30 minute summer	S25	34	0.865	1.109	73.2	2.8223	0.0000	SURCHARGED
30 minute summer	S16	34	0.863	1.130	207.1	5.0125	0.0000	SURCHARGED
30 minute summer	S145	32	0.852	1.167	166.2	5.0265	0.0000	SURCHARGED
30 minute summer	S4	38	0.806	1.049	121.6	1.8536	0.0000	SURCHARGED
30 minute summer	S5	37	0.803	1.087	148.1	1.9202	0.0000	SURCHARGED
30 minute summer	S9	35	0.796	1.092	52.9	2.5161	0.0000	SURCHARGED
30 minute summer	S10	35	0.796	1.117	42.1	1.9743	0.0000	SURCHARGED
30 minute summer	S11	35	0.796	1.122	210.7	1.9832	0.0000	SURCHARGED
30 minute summer	S12	34	0.796	1.131	220.2	1.9991	0.0000	SURCHARGED
30 minute summer	S1	41	0.795	1.059	60.7	2.4946	0.0000	SURCHARGED
30 minute summer	S3	34	0.793	1.100	74.5	3.5168	0.0000	SURCHARGED
30 minute summer	S2	34	0.795	1.131	57.5	1.9991	0.0000	SURCHARGED
30 minute summer	S14	42	0.764	1.073	70.0	1.8967	0.0000	SURCHARGED
30 minute summer	S15	33	0.796	1.142	244.4	5.1403	0.0000	SURCHARGED
30 minute summer	S75	31	0.841	1.203	252.8	3.0623	0.0000	SURCHARGED
30 minute summer	S87	17	1.300	1.586	75.9	5.1450	9.6542	FLOOD
30 minute summer	S88	17	1.300	1.608	122.9	5.2437	7.3202	FLOOD
30 minute summer	S89	17	1.289	1.619	175.9	5.2484	0.0000	FLOOD RISK
30 minute summer	S90	18	1.207	1.559	232.9	4.9657	0.0000	FLOOD RISK
30 minute summer	S92	22	0.979	1.358	356.5	3.4549	0.0000	SURCHARGED
30 minute summer	S81	17	1.300	1.602	75.9	5.1729	11.1467	FLOOD
30 minute summer	S82	17	1.300	1.624	116.8	5.2731	9.8449	FLOOD
30 minute summer	S83	17	1.300	1.645	159.3	5.3101	0.8426	FLOOD
30 minute summer	S84	18	1.233	1.600	222.1	5.0741	0.0000	FLOOD RISK
30 minute summer	S86	21	1.039	1.432	203.9	3.6448	0.0000	SURCHARGED
30 minute summer	S76	17	1.300	1.617	75.9	5.1987	10.6336	FLOOD
30 minute summer	S77	17	1.300	1.639	119.7	5.2989	9.4121	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S26	1.000	S16	-68.3	-0.431	-0.964	9.2005	
30 minute summer	S25	2.000	S16	-68.8	-0.434	-0.974	7.3393	
30 minute summer	S16	1.001	S145	-136.9	-0.864	-1.919	15.0038	
30 minute summer	S145	1.002	S75	-68.6	-0.433	-0.972	15.0038	
30 minute summer	S4	3.000	S5	-112.7	-0.711	-1.599	13.1095	
30 minute summer	S5	3.001	S11	-133.2	-0.841	-1.866	13.1095	
30 minute summer	S9	4.000	S10	30.0	0.307	0.428	8.0648	
30 minute summer	S10	4.001	S11	-42.1	0.482	-0.553	1.3780	
30 minute summer	S11	3.002	S12	-210.7	-1.330	-2.986	2.8740	
30 minute summer	S12	3.003	S15	-216.3	-1.365	-3.142	3.6838	
30 minute summer	S1	5.000	S3	-44.9	-0.283	-0.631	13.5151	
30 minute summer	S3	5.001	S2	56.1	0.371	0.792	9.1848	
30 minute summer	S2	5.002	S15	-57.5	-0.363	-0.843	3.4165	
30 minute summer	S14	6.000	S15	-70.0	-0.442	-0.995	11.8707	
30 minute summer	S15	3.004	S75	-170.1	-1.074	-2.376	4.9661	
30 minute summer	S75	1.003	S92	-252.8	-1.595	-3.552	5.3380	
30 minute summer	S87	7.000	S88	45.2	0.285	0.633	6.8747	
30 minute summer	S88	7.001	S89	98.2	0.620	1.376	6.8747	
30 minute summer	S89	7.002	S90	157.1	0.991	2.202	6.8747	
30 minute summer	S90	7.003	S92	207.6	1.310	2.945	8.6413	
30 minute summer	S92	1.005	S86	-148.9	-0.940	-2.096	4.4095	
30 minute summer	S81	8.000	S82	39.1	0.253	0.548	6.8747	
30 minute summer	S82	8.001	S83	81.6	0.515	1.171	6.8747	
30 minute summer	S83	8.002	S84	146.3	0.924	2.051	6.8747	
30 minute summer	S84	8.003	S86	203.9	1.287	2.872	8.1975	
30 minute summer	S86	1.006	S30	126.9	0.801	1.787	4.4165	
30 minute summer	S76	9.000	S77	42.0	0.265	0.589	6.8747	
30 minute summer	S77	9.001	S78	83.7	0.529	1.174	6.8747	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S78	17	1.300	1.661	161.4	5.3385	0.7037	FLOOD
30 minute summer	S79	18	1.217	1.599	225.6	5.0515	0.0000	FLOOD RISK
30 minute summer	S30	22	1.041	1.448	258.8	3.6852	0.0000	SURCHARGED
30 minute summer	S31	19	1.175	1.511	81.9	5.0031	0.0000	FLOOD RISK
30 minute summer	S32	19	1.127	1.506	159.7	4.6492	0.0000	FLOOD RISK
30 minute summer	S33	23	0.968	1.391	300.8	3.5408	0.0000	SURCHARGED
30 minute summer	S34	28	0.848	1.287	206.4	2.2750	0.0000	SURCHARGED
30 minute summer	S35	28	0.756	1.222	172.3	2.1591	0.0000	SURCHARGED
30 minute summer	S36	27	0.726	1.168	36.6	2.0634	0.0000	SURCHARGED
30 minute summer	S37	28	0.722	1.193	243.0	5.8638	0.0000	SURCHARGED
30 minute summer	S38	28	0.429	0.945	206.0	1.6691	0.0000	SURCHARGED
30 minute summer	S39	28	0.136	0.698	190.5	1.2325	0.0000	SURCHARGED
30 minute summer	S56	28	0.084	0.643	12.1	1.1354	0.0000	SURCHARGED
30 minute summer	S57	28	0.084	0.649	185.7	1.6505	0.0000	SURCHARGED
30 minute summer	S125	24	-0.027	0.528	40.6	0.9324	0.0000	SURCHARGED
30 minute summer	S127	29	-0.028	0.551	182.6	1.4023	0.0000	SURCHARGED
30 minute summer	S119	29	-0.136	0.433	34.4	0.7656	0.0000	OK
30 minute summer	S60	29	-0.136	0.457	173.1	1.1636	0.0000	SURCHARGED
30 minute summer	Pond Inlet 1	29	-0.270	0.340	172.9	0.6000	0.0000	OK
30 minute summer	Pond Outlet	1465	-0.360	0.250	154.1	0.2830	0.0000	OK
30 minute summer	S13	929	-0.360	0.278	1.3	0.9642	0.0000	OK
30 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute summer	PP-S26	34	0.867	0.367	52.2	37.2855	0.0000	SURCHARGED
30 minute summer	PP-S25	34	0.866	0.366	55.3	32.1441	0.0000	SURCHARGED
30 minute summer	PP-S16	34	0.865	0.365	77.0	54.5492	0.0000	SURCHARGED
30 minute summer	PP-S145	32	0.855	0.355	92.4	55.3275	0.0000	SURCHARGED
30 minute summer	PP-S4	38	0.807	0.307	50.2	41.4651	0.0000	SURCHARGED
30 minute summer	PP-S1	41	0.796	0.296	101.3	101.6311	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	S78	9.002	S79	149.8	0.946	2.151	6.8745	
30 minute summer	S79	9.003	S30	210.3	1.327	2.924	7.6907	
30 minute summer	S30	1.007	S33	161.3	1.018	2.265	5.0209	
30 minute summer	S31	10.000	S32	88.0	0.556	1.245	13.6740	
30 minute summer	S32	10.001	S33	144.3	0.911	2.018	13.6740	
30 minute summer	S33	1.008	S34	206.4	1.303	2.926	5.1108	
30 minute summer	S34	1.009	S35	170.7	1.077	2.403	8.5103	
30 minute summer	S35	1.010	S37	165.5	1.045	2.491	1.7947	
30 minute summer	S36	11.000	S37	37.1	0.234	0.521	9.1184	
30 minute summer	S37	1.011	S38	206.0	1.300	2.915	14.3287	
30 minute summer	S38	1.012	S39	190.5	1.202	2.665	14.3287	
30 minute summer	S39	1.013	S57	185.7	1.173	2.931	1.1814	
30 minute summer	S56	12.011	S57	-12.1	-0.330	-0.177	2.0645	
30 minute summer	S57	1.014	S127	182.6	1.283	2.582	4.4483	
30 minute summer	S125	21.003	S127	-40.6	-0.574	-0.581	7.8151	
30 minute summer	S127	1.015	S60	173.1	1.208	2.430	4.3871	
30 minute summer	S119	22.003	S60	-34.4	-0.557	-0.492	7.7692	
30 minute summer	S60	1.016	Pond Inlet 1	172.9	1.167	2.283	4.2786	
30 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	154.0	0.058	0.003	1305.9854	
30 minute summer	Pond Outlet	1.018	S13	1.3	0.341	0.019	0.4445	
30 minute summer	S13	Pump	Final Outfall	0.0				0.0
30 minute summer	PP-S26	1.000_1	S26	-38.7	-1.303	-1.008	0.3977	
30 minute summer	PP-S25	2.000_1	S25	-44.1	-1.632	-0.767	0.1989	
30 minute summer	PP-S16	3.000_1	S16	-56.6	-1.633	-0.839	0.1989	
30 minute summer	PP-S145	4.000_2	S145	-68.8	-1.987	-0.815	0.1989	
30 minute summer	PP-S4	1.000_2	S4	-32.1	-1.201	-0.563	0.1989	
30 minute summer	PP-S1	4.000_1	S1	-53.7	-1.677	-0.810	0.1989	

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Results for 100 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 99.53%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	PP-S5	37	0.804	0.304	62.4	50.5636	0.0000	SURCHARGED
30 minute summer	PP-S12	34	0.797	0.297	65.6	30.8600	0.0000	SURCHARGED
30 minute summer	PP-S14	60	0.736	0.236	70.2	126.6569	0.0000	SURCHARGED
30 minute summer	PP-S2	34	0.796	0.296	68.9	31.9865	0.0000	SURCHARGED
30 minute summer	PP-S15	33	0.796	0.296	61.2	16.8048	0.0000	SURCHARGED
30 minute summer	PP-S75	31	0.842	0.342	73.2	21.4288	0.0000	SURCHARGED
30 minute summer	PP-S24	27	0.922	0.422	136.0	61.0726	0.0000	SURCHARGED
30 minute summer	PP-S30	23	1.041	0.541	111.7	31.7487	0.0000	SURCHARGED
30 minute summer	PP-S33	23	0.975	0.475	106.8	28.6519	0.0000	SURCHARGED
30 minute summer	PP-S34	29	0.857	0.357	95.2	46.9668	0.0000	SURCHARGED
30 minute summer	PP-S35	28	0.758	0.258	26.4	6.9070	0.0000	SURCHARGED
30 minute summer	PP-S36	28	0.733	0.233	53.4	24.7204	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	PP-S5	2.000_2	S5	-35.5	1.291	-0.480	0.1989	
30 minute summer	PP-S12	8.000_1	S12	-55.8	-1.900	-0.613	0.1989	
30 minute summer	PP-S14	11.000_1	S14	-69.9	-2.159	-0.845	0.1989	
30 minute summer	PP-S2	10.000_1	S2	-54.6	-1.730	-0.598	0.1989	
30 minute summer	PP-S15	12.000_1	S15	-50.0	-1.428	-0.530	0.1989	
30 minute summer	PP-S75	13.000_1	S75	-62.4	-1.893	-0.631	0.1989	
30 minute summer	PP-S24	14.000_1	S92	-109.1	-3.076	-1.063	0.1989	
30 minute summer	PP-S30	18.000_1	S30	-102.0	-3.012	-0.916	0.1989	
30 minute summer	PP-S33	20.000_1	S33	-95.4	-2.562	-0.835	0.1989	
30 minute summer	PP-S34	21.000_1	S34	-72.2	-2.083	-0.610	0.1989	
30 minute summer	PP-S35	22.000_2	S35	-22.9	1.074	-0.185	0.1989	
30 minute summer	PP-S36	23.000_2	S36	36.6	1.643	0.308	0.1989	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S26	35	0.928	1.166	65.5	2.0608	0.0000	SURCHARGED
30 minute winter	S25	35	0.926	1.170	66.5	2.9785	0.0000	SURCHARGED
30 minute winter	S16	35	0.925	1.192	188.8	5.2862	0.0000	SURCHARGED
30 minute winter	S145	32	0.916	1.231	149.9	5.2990	0.0000	SURCHARGED
30 minute winter	S4	38	0.854	1.097	116.5	1.9391	0.0000	SURCHARGED
30 minute winter	S5	38	0.851	1.135	164.1	2.0052	0.0000	SURCHARGED
30 minute winter	S9	36	0.844	1.140	40.6	2.6261	0.0000	SURCHARGED
30 minute winter	S10	35	0.844	1.165	49.8	2.0581	0.0000	SURCHARGED
30 minute winter	S11	35	0.844	1.170	198.0	2.0669	0.0000	SURCHARGED
30 minute winter	S12	34	0.844	1.179	206.1	2.0837	0.0000	SURCHARGED
30 minute winter	S1	42	0.843	1.107	63.3	2.6068	0.0000	SURCHARGED
30 minute winter	S3	40	0.840	1.147	71.8	3.6680	0.0000	SURCHARGED
30 minute winter	S2	33	0.844	1.180	57.1	2.0850	0.0000	SURCHARGED
30 minute winter	S14	41	0.807	1.116	78.7	1.9722	0.0000	SURCHARGED
30 minute winter	S15	33	0.845	1.191	235.9	5.3620	0.0000	SURCHARGED
30 minute winter	S75	30	0.904	1.266	245.3	3.2231	0.0000	SURCHARGED
30 minute winter	S87	17	1.300	1.586	68.6	5.1450	12.3774	FLOOD
30 minute winter	S88	17	1.300	1.608	110.8	5.2437	7.1025	FLOOD
30 minute winter	S89	17	1.299	1.629	156.9	5.2800	0.0000	FLOOD RISK
30 minute winter	S90	17	1.214	1.566	203.3	4.9872	0.0000	FLOOD RISK
30 minute winter	S92	23	1.047	1.426	336.0	3.6288	0.0000	SURCHARGED
30 minute winter	S81	17	1.300	1.602	68.6	5.1729	13.8358	FLOOD
30 minute winter	S82	17	1.300	1.624	108.4	5.2731	10.2646	FLOOD
30 minute winter	S83	17	1.299	1.644	153.3	5.3078	0.0000	FLOOD RISK
30 minute winter	S84	19	1.229	1.596	196.3	5.0624	0.0000	FLOOD RISK
30 minute winter	S86	23	1.108	1.501	197.0	3.8202	0.0000	FLOOD RISK
30 minute winter	S76	17	1.300	1.617	68.6	5.1987	13.6318	FLOOD
30 minute winter	S77	17	1.300	1.639	109.0	5.2989	9.2555	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S26	1.000	S16	-61.7	-0.390	-0.872	9.2005	
30 minute winter	S25	2.000	S16	-62.3	-0.393	-0.883	7.3393	
30 minute winter	S16	1.001	S145	-123.6	-0.780	-1.733	15.0038	
30 minute winter	S145	1.002	S75	-65.0	-0.410	-0.921	15.0038	
30 minute winter	S4	3.000	S5	-108.6	-0.686	-1.541	13.1095	
30 minute winter	S5	3.001	S11	-151.5	-0.956	-2.122	13.1095	
30 minute winter	S9	4.000	S10	34.4	0.331	0.490	8.0648	
30 minute winter	S10	4.001	S11	-49.8	0.513	-0.655	1.3780	
30 minute winter	S11	3.002	S12	-198.0	-1.250	-2.807	2.8740	
30 minute winter	S12	3.003	S15	-202.4	-1.277	-2.939	3.6838	
30 minute winter	S1	5.000	S3	-48.1	-0.304	-0.677	13.5151	
30 minute winter	S3	5.001	S2	49.1	0.403	0.692	9.1848	
30 minute winter	S2	5.002	S15	-52.6	-0.332	-0.772	3.4165	
30 minute winter	S14	6.000	S15	-78.7	-0.497	-1.118	11.8707	
30 minute winter	S15	3.004	S75	-167.8	-1.059	-2.343	4.9661	
30 minute winter	S75	1.003	S92	-239.9	-1.514	-3.371	5.3380	
30 minute winter	S87	7.000	S88	44.3	0.280	0.621	6.8747	
30 minute winter	S88	7.001	S89	90.4	0.571	1.267	6.8747	
30 minute winter	S89	7.002	S90	138.5	0.874	1.941	6.8747	
30 minute winter	S90	7.003	S92	209.3	1.321	2.970	8.6413	
30 minute winter	S92	1.005	S86	-138.7	-0.875	-1.952	4.4095	
30 minute winter	S81	8.000	S82	41.9	0.267	0.587	6.8747	
30 minute winter	S82	8.001	S83	86.7	0.548	1.245	6.8747	
30 minute winter	S83	8.002	S84	131.5	0.830	1.843	6.8747	
30 minute winter	S84	8.003	S86	197.0	1.244	2.775	8.1975	
30 minute winter	S86	1.006	S30	126.9	0.801	1.787	4.4165	
30 minute winter	S76	9.000	S77	42.5	0.269	0.595	6.8747	
30 minute winter	S77	9.001	S78	87.4	0.552	1.225	6.8747	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S78	18	1.291	1.652	153.9	5.3086	0.0000	FLOOD RISK
30 minute winter	S79	20	1.223	1.605	203.7	5.0700	0.0000	FLOOD RISK
30 minute winter	S30	24	1.112	1.519	276.6	3.8660	0.0000	FLOOD RISK
30 minute winter	S31	19	1.156	1.492	74.1	4.9428	0.0000	FLOOD RISK
30 minute winter	S32	19	1.117	1.496	141.2	4.6188	0.0000	FLOOD RISK
30 minute winter	S33	24	1.053	1.476	285.8	3.7555	0.0000	SURCHARGED
30 minute winter	S34	29	0.930	1.369	206.0	2.4184	0.0000	SURCHARGED
30 minute winter	S35	29	0.826	1.292	168.4	2.2836	0.0000	SURCHARGED
30 minute winter	S36	29	0.792	1.234	43.0	2.1806	0.0000	SURCHARGED
30 minute winter	S37	29	0.790	1.261	231.9	6.1968	0.0000	SURCHARGED
30 minute winter	S38	29	0.477	0.993	200.4	1.7544	0.0000	SURCHARGED
30 minute winter	S39	30	0.165	0.727	188.4	1.2841	0.0000	SURCHARGED
30 minute winter	S56	30	0.110	0.669	11.2	1.1813	0.0000	SURCHARGED
30 minute winter	S57	30	0.110	0.675	186.7	1.7166	0.0000	SURCHARGED
30 minute winter	S125	30	-0.009	0.546	38.9	0.9641	0.0000	SURCHARGED
30 minute winter	S127	30	-0.009	0.570	181.0	1.4495	0.0000	SURCHARGED
30 minute winter	S119	30	-0.125	0.444	39.4	0.7841	0.0000	OK
30 minute winter	S60	30	-0.125	0.468	178.3	1.1904	0.0000	SURCHARGED
30 minute winter	Pond Inlet 1	30	-0.263	0.347	178.3	0.6138	0.0000	OK
30 minute winter	Pond Outlet	1412	-0.333	0.277	159.8	0.3136	0.0000	OK
30 minute winter	S13	937	-0.333	0.305	1.3	1.0579	0.0000	SURCHARGED
30 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
30 minute winter	PP-S26	35	0.931	0.431	55.9	44.2918	0.0000	SURCHARGED
30 minute winter	PP-S25	35	0.927	0.427	55.7	37.9780	0.0000	SURCHARGED
30 minute winter	PP-S16	35	0.927	0.427	78.6	65.2718	0.0000	SURCHARGED
30 minute winter	PP-S145	33	0.919	0.419	96.5	66.7367	0.0000	SURCHARGED
30 minute winter	PP-S4	39	0.855	0.355	50.5	49.0298	0.0000	SURCHARGED
30 minute winter	PP-S1	43	0.844	0.344	114.2	118.5210	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 winter	S78	9.002	S79	135.1	0.853	1.940	6.8745	
30 minute winter	S79	9.003	S30	205.0	1.294	2.851	7.6907	
30 minute winter	S30	1.007	S33	166.9	1.054	2.345	5.0209	
30 minute winter	S31	10.000	S32	79.8	0.504	1.129	13.6740	
30 minute winter	S32	10.001	S33	135.5	0.855	1.894	13.6740	
30 minute winter	S33	1.008	S34	206.0	1.301	2.921	5.1108	
30 minute winter	S34	1.009	S35	166.9	1.054	2.350	8.5103	
30 minute winter	S35	1.010	S37	158.7	1.002	2.388	1.7947	
30 minute winter	S36	11.000	S37	-43.0	-0.272	-0.605	9.1184	
30 minute winter	S37	1.011	S38	200.4	1.265	2.837	14.3287	
30 minute winter	S38	1.012	S39	188.4	1.189	2.637	14.3287	
30 minute winter	S39	1.013	S57	186.7	1.187	2.946	1.1814	
30 minute winter	S56	12.011	S57	-11.2	-0.375	-0.165	2.0645	
30 minute winter	S57	1.014	S127	181.0	1.285	2.559	4.4483	
30 minute winter	S125	21.003	S127	-38.9	-0.580	-0.556	7.8151	
30 minute winter	S127	1.015	S60	178.3	1.238	2.504	4.3871	
30 minute winter	S119	22.003	S60	-39.4	-0.559	-0.564	7.8044	
30 minute winter	S60	1.016	Pond Inlet 1	178.3	1.182	2.355	4.3234	
30 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	159.8	0.059	0.003	1455.1890	
30 minute winter	Pond Outlet	1.018	S13	1.3	0.344	0.018	0.4698	
30 minute winter	S13	Pump	Final Outfall	0.0				0.0
30 minute winter	PP-S26	1.000_1	S26	-41.1	-1.239	-1.069	0.3977	
30 minute winter	PP-S25	2.000_1	S25	-43.0	-1.571	-0.749	0.1989	
30 minute winter	PP-S16	3.000_1	S16	-57.3	-1.604	-0.849	0.1989	
30 minute winter	PP-S145	4.000_2	S145	-70.8	-1.910	-0.839	0.1989	
30 minute winter	PP-S4	1.000_2	S4	-31.4	-1.203	-0.550	0.1989	
30 minute winter	PP-S1	4.000_1	S1	-61.2	-1.776	-0.923	0.1989	

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Results for 100 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	PP-S5	38	0.852	0.352	64.2	60.1658	0.0000	SURCHARGED
30 minute winter	PP-S12	34	0.845	0.345	65.0	36.1946	0.0000	SURCHARGED
30 minute winter	PP-S14	64	0.776	0.276	79.0	151.9563	0.0000	SURCHARGED
30 minute winter	PP-S2	33	0.845	0.345	72.2	37.5003	0.0000	SURCHARGED
30 minute winter	PP-S15	33	0.846	0.346	59.2	19.7720	0.0000	SURCHARGED
30 minute winter	PP-S75	31	0.906	0.406	73.6	25.6277	0.0000	SURCHARGED
30 minute winter	PP-S24	28	1.011	0.511	136.3	75.0161	0.0000	SURCHARGED
30 minute winter	PP-S30	24	1.123	0.623	119.3	36.6559	0.0000	FLOOD RISK
30 minute winter	PP-S33	24	1.058	0.558	101.8	33.8005	0.0000	SURCHARGED
30 minute winter	PP-S34	30	0.936	0.436	97.4	58.3003	0.0000	SURCHARGED
30 minute winter	PP-S35	29	0.828	0.328	25.9	8.8362	0.0000	SURCHARGED
30 minute winter	PP-S36	29	0.797	0.297	62.8	32.5517	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 winter	PP-S5	2.000_2	S5	-33.3	1.279	-0.450	0.1989	
30 minute winter	PP-S12	8.000_1	S12	-54.5	-1.869	-0.599	0.1989	
30 minute winter	PP-S14	11.000_1	S14	-78.6	-2.336	-0.949	0.1989	
30 minute winter	PP-S2	10.000_1	S2	-56.8	-1.730	-0.622	0.1989	
30 minute winter	PP-S15	12.000_1	S15	-47.9	-1.397	-0.509	0.1989	
30 minute winter	PP-S75	13.000_1	S75	-62.6	-2.054	-0.634	0.1989	
30 minute winter	PP-S24	14.000_1	S92	-109.1	-3.157	-1.063	0.1989	
30 minute winter	PP-S30	18.000_1	S30	-109.8	-2.779	-0.986	0.1989	
30 minute winter	PP-S33	20.000_1	S33	-90.7	-2.396	-0.794	0.1989	
30 minute winter	PP-S34	21.000_1	S34	-72.7	-2.026	-0.615	0.1989	
30 minute winter	PP-S35	22.000_2	S35	-22.2	1.059	-0.179	0.1989	
30 minute winter	PP-S36	23.000_2	S36	-42.2	1.628	-0.355	0.1989	

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Results for 100 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S26	52	0.929	1.167	46.2	2.0629	0.0000	SURCHARGED
60 minute summer	S25	52	0.929	1.173	44.3	2.9848	0.0000	SURCHARGED
60 minute summer	S16	52	0.928	1.195	138.4	5.2999	0.0000	SURCHARGED
60 minute summer	S145	54	0.920	1.235	128.8	5.3160	0.0000	SURCHARGED
60 minute summer	S4	61	0.882	1.125	30.5	1.9875	0.0000	SURCHARGED
60 minute summer	S5	61	0.880	1.164	87.0	2.0575	0.0000	SURCHARGED
60 minute summer	S9	61	0.877	1.173	20.5	2.7037	0.0000	SURCHARGED
60 minute summer	S10	61	0.878	1.199	22.2	2.1182	0.0000	SURCHARGED
60 minute summer	S11	61	0.878	1.204	118.5	2.1271	0.0000	SURCHARGED
60 minute summer	S12	61	0.877	1.212	125.2	2.1421	0.0000	SURCHARGED
60 minute summer	S1	63	0.882	1.146	59.9	2.6979	0.0000	SURCHARGED
60 minute summer	S3	62	0.878	1.185	55.0	3.7908	0.0000	SURCHARGED
60 minute summer	S2	61	0.877	1.213	51.7	2.1434	0.0000	SURCHARGED
60 minute summer	S14	63	0.847	1.156	77.7	2.0421	0.0000	SURCHARGED
60 minute summer	S15	61	0.876	1.222	203.1	5.5018	0.0000	SURCHARGED
60 minute summer	S75	49	0.903	1.265	212.4	3.2188	0.0000	SURCHARGED
60 minute summer	S87	32	1.300	1.586	56.0	5.1450	6.5548	FLOOD
60 minute summer	S88	32	1.300	1.608	95.1	5.2437	1.0177	FLOOD
60 minute summer	S89	32	1.274	1.604	141.3	5.1989	0.0000	FLOOD RISK
60 minute summer	S90	34	1.186	1.538	196.8	4.8985	0.0000	FLOOD RISK
60 minute summer	S92	38	1.032	1.411	319.8	3.5905	0.0000	SURCHARGED
60 minute summer	S81	32	1.300	1.602	56.0	5.1729	8.3972	FLOOD
60 minute summer	S82	32	1.300	1.624	97.4	5.2731	2.6626	FLOOD
60 minute summer	S83	32	1.281	1.626	139.8	5.2488	0.0000	FLOOD RISK
60 minute summer	S84	35	1.213	1.580	187.7	5.0106	0.0000	FLOOD RISK
60 minute summer	S86	38	1.094	1.487	188.0	3.7838	0.0000	FLOOD RISK
60 minute summer	S76	32	1.300	1.617	56.0	5.1987	7.7556	FLOOD
60 minute summer	S77	32	1.300	1.639	96.5	5.2989	2.2205	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S26	1.000	S16	-42.9	-0.271	-0.606	9.2005	
60 minute summer	S25	2.000	S16	-40.8	-0.258	-0.578	7.3393	
60 minute summer	S16	1.001	S145	-94.9	-0.599	-1.331	15.0038	
60 minute summer	S145	1.002	S75	49.6	0.325	0.704	15.0038	
60 minute summer	S4	3.000	S5	-30.5	-0.192	-0.432	13.1095	
60 minute summer	S5	3.001	S11	-78.3	-0.495	-1.098	13.1095	
60 minute summer	S9	4.000	S10	22.2	0.250	0.316	8.0648	
60 minute summer	S10	4.001	S11	23.6	0.406	0.310	1.3780	
60 minute summer	S11	3.002	S12	-118.5	-0.748	-1.679	2.8740	
60 minute summer	S12	3.003	S15	-122.1	-0.771	-1.774	3.6838	
60 minute summer	S1	5.000	S3	-46.1	-0.291	-0.648	13.5151	
60 minute summer	S3	5.001	S2	35.5	0.307	0.502	9.1848	
60 minute summer	S2	5.002	S15	-46.1	-0.291	-0.677	3.4165	
60 minute summer	S14	6.000	S15	-77.7	-0.490	-1.103	11.8707	
60 minute summer	S15	3.004	S75	-142.5	-0.900	-1.991	4.9661	
60 minute summer	S75	1.003	S92	-212.4	-1.341	-2.984	5.3380	
60 minute summer	S87	7.000	S88	40.7	0.257	0.571	6.8747	
60 minute summer	S88	7.001	S89	86.9	0.548	1.218	6.8747	
60 minute summer	S89	7.002	S90	140.9	0.889	1.975	6.8747	
60 minute summer	S90	7.003	S92	197.1	1.244	2.797	8.6413	
60 minute summer	S92	1.005	S86	-128.9	-0.813	-1.814	4.4095	
60 minute summer	S81	8.000	S82	43.0	0.271	0.603	6.8747	
60 minute summer	S82	8.001	S83	85.4	0.539	1.226	6.8747	
60 minute summer	S83	8.002	S84	131.7	0.832	1.847	6.8747	
60 minute summer	S84	8.003	S86	188.0	1.187	2.647	8.1975	
60 minute summer	S86	1.006	S30	127.8	0.807	1.800	4.4165	
60 minute summer	S76	9.000	S77	42.1	0.266	0.590	6.8747	
60 minute summer	S77	9.001	S78	86.3	0.544	1.209	6.8747	

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Results for 100 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S78	32	1.280	1.641	140.7	5.2726	0.0000	FLOOD RISK
60 minute summer	S79	35	1.209	1.591	192.9	5.0254	0.0000	FLOOD RISK
60 minute summer	S30	38	1.099	1.506	255.4	3.8319	0.0000	FLOOD RISK
60 minute summer	S31	34	1.074	1.410	60.5	4.6714	0.0000	SURCHARGED
60 minute summer	S32	35	1.054	1.433	112.4	4.4255	0.0000	SURCHARGED
60 minute summer	S33	39	1.033	1.456	265.6	3.7045	0.0000	SURCHARGED
60 minute summer	S34	44	0.911	1.350	199.1	2.3854	0.0000	SURCHARGED
60 minute summer	S35	44	0.803	1.269	145.9	2.2432	0.0000	SURCHARGED
60 minute summer	S36	44	0.768	1.210	36.1	2.1373	0.0000	SURCHARGED
60 minute summer	S37	44	0.765	1.236	210.2	6.0778	0.0000	SURCHARGED
60 minute summer	S38	44	0.460	0.976	176.5	1.7241	0.0000	SURCHARGED
60 minute summer	S39	45	0.155	0.717	176.5	1.2667	0.0000	SURCHARGED
60 minute summer	S56	45	0.101	0.660	6.5	1.1659	0.0000	SURCHARGED
60 minute summer	S57	45	0.101	0.666	176.4	1.6945	0.0000	SURCHARGED
60 minute summer	S125	45	-0.016	0.539	20.4	0.9533	0.0000	SURCHARGED
60 minute summer	S127	45	-0.016	0.563	176.3	1.4339	0.0000	SURCHARGED
60 minute summer	S119	45	-0.129	0.440	15.4	0.7782	0.0000	OK
60 minute summer	S60	45	-0.129	0.464	176.4	1.1819	0.0000	SURCHARGED
60 minute summer	Pond Inlet 1	45	-0.264	0.346	176.3	0.6107	0.0000	OK
60 minute summer	Pond Outlet	1019	-0.298	0.312	159.4	0.3527	0.0000	SURCHARGED
60 minute summer	S13	713	-0.298	0.340	1.3	1.1775	0.0000	SURCHARGED
60 minute summer	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute summer	PP-S26	52	0.931	0.431	51.3	44.3084	0.0000	SURCHARGED
60 minute summer	PP-S25	52	0.929	0.429	49.2	38.1835	0.0000	SURCHARGED
60 minute summer	PP-S16	52	0.930	0.430	69.8	65.6345	0.0000	SURCHARGED
60 minute summer	PP-S145	54	0.921	0.421	84.3	67.0431	0.0000	SURCHARGED
60 minute summer	PP-S4	62	0.882	0.382	46.8	53.2826	0.0000	SURCHARGED
60 minute summer	PP-S1	64	0.883	0.383	103.6	132.4443	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	S78	9.002	S79	136.9	0.864	1.966	6.8745	
60 minute summer	S79	9.003	S30	192.6	1.216	2.679	7.6907	
60 minute summer	S30	1.007	S33	163.2	1.030	2.293	5.0209	
60 minute summer	S31	10.000	S32	59.4	0.375	0.840	13.6740	
60 minute summer	S32	10.001	S33	111.2	0.702	1.554	13.6740	
60 minute summer	S33	1.008	S34	199.1	1.257	2.823	5.1108	
60 minute summer	S34	1.009	S35	144.3	0.911	2.032	8.5103	
60 minute summer	S35	1.010	S37	146.2	0.923	2.201	1.7947	
60 minute summer	S36	11.000	S37	-36.1	-0.228	-0.508	9.1184	
60 minute summer	S37	1.011	S38	176.5	1.114	2.498	14.3287	
60 minute summer	S38	1.012	S39	176.5	1.114	2.469	14.3287	
60 minute summer	S39	1.013	S57	176.4	1.113	2.784	1.1814	
60 minute summer	S56	12.011	S57	-6.5	-0.278	-0.096	2.0645	
60 minute summer	S57	1.014	S127	176.3	1.113	2.493	4.4483	
60 minute summer	S125	21.003	S127	-20.4	-0.302	-0.291	7.8151	
60 minute summer	S127	1.015	S60	176.4	1.113	2.476	4.3871	
60 minute summer	S119	22.003	S60	-15.4	-0.274	-0.221	7.7943	
60 minute summer	S60	1.016	Pond Inlet 1	176.3	1.173	2.329	4.3133	
60 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	159.4	0.058	0.003	1646.7214	
60 minute summer	Pond Outlet	1.018	S13	1.3	0.340	0.018	0.4779	
60 minute summer	S13	Pump	Final Outfall	0.0				0.0
60 minute summer	PP-S26	1.000_1	S26	-38.8	-1.273	-1.009	0.3977	
60 minute summer	PP-S25	2.000_1	S25	-38.6	-1.528	-0.672	0.1989	
60 minute summer	PP-S16	3.000_1	S16	-50.3	-1.477	-0.746	0.1989	
60 minute summer	PP-S145	4.000_2	S145	-63.3	-1.730	-0.749	0.1989	
60 minute summer	PP-S4	1.000_2	S4	-31.9	-1.532	-0.560	0.1989	
60 minute summer	PP-S1	4.000_1	S1	-59.2	-1.728	-0.894	0.1989	

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Results for 100 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP-S5	62	0.881	0.381	59.0	65.9269	0.0000	SURCHARGED
60 minute summer	PP-S12	62	0.878	0.378	57.0	39.8652	0.0000	SURCHARGED
60 minute summer	PP-S14	84	0.817	0.317	78.0	178.1179	0.0000	SURCHARGED
60 minute summer	PP-S2	62	0.877	0.377	63.5	41.1588	0.0000	SURCHARGED
60 minute summer	PP-S15	61	0.876	0.376	41.5	21.5976	0.0000	SURCHARGED
60 minute summer	PP-S75	49	0.903	0.403	64.1	25.4528	0.0000	SURCHARGED
60 minute summer	PP-S24	43	1.006	0.506	128.6	74.2890	0.0000	SURCHARGED
60 minute summer	PP-S30	38	1.105	0.605	100.1	35.5840	0.0000	FLOOD RISK
60 minute summer	PP-S33	39	1.039	0.539	84.9	32.6323	0.0000	SURCHARGED
60 minute summer	PP-S34	44	0.917	0.417	89.4	55.5946	0.0000	SURCHARGED
60 minute summer	PP-S35	44	0.805	0.305	22.2	8.2004	0.0000	SURCHARGED
60 minute summer	PP-S36	45	0.771	0.271	53.1	29.4054	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	PP-S5	2.000_2	S5	-32.6	-1.389	-0.440	0.1989	
60 minute summer	PP-S12	8.000_1	S12	-49.1	-1.552	-0.539	0.1989	
60 minute summer	PP-S14	11.000_1	S14	-77.5	-2.277	-0.936	0.1989	
60 minute summer	PP-S2	10.000_1	S2	-52.0	-1.599	-0.569	0.1989	
60 minute summer	PP-S15	12.000_1	S15	-32.5	1.162	-0.345	0.1989	
60 minute summer	PP-S75	13.000_1	S75	-55.4	-1.586	-0.560	0.1989	
60 minute summer	PP-S24	14.000_1	S92	-106.9	-2.876	-1.042	0.1989	
60 minute summer	PP-S30	18.000_1	S30	-92.7	-2.436	-0.833	0.1989	
60 minute summer	PP-S33	20.000_1	S33	-75.4	-2.080	-0.660	0.1989	
60 minute summer	PP-S34	21.000_1	S34	-68.4	-1.882	-0.579	0.1989	
60 minute summer	PP-S35	22.000_2	S35	-19.2	0.985	-0.154	0.1989	
60 minute summer	PP-S36	23.000_2	S36	-35.6	1.531	-0.299	0.1989	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S26	54	1.010	1.248	37.1	2.2046	0.0000	SURCHARGED
60 minute winter	S25	55	1.009	1.253	34.7	3.1892	0.0000	SURCHARGED
60 minute winter	S16	55	1.009	1.276	120.9	5.6561	0.0000	SURCHARGED
60 minute winter	S145	57	1.001	1.316	124.0	5.6687	0.0000	SURCHARGED
60 minute winter	S4	63	0.955	1.198	75.0	2.1173	0.0000	SURCHARGED
60 minute winter	S5	62	0.953	1.237	85.9	2.1855	0.0000	SURCHARGED
60 minute winter	S9	61	0.948	1.244	16.6	2.8668	0.0000	SURCHARGED
60 minute winter	S10	61	0.949	1.270	40.5	2.2432	0.0000	SURCHARGED
60 minute winter	S11	61	0.949	1.275	93.9	2.2521	0.0000	SURCHARGED
60 minute winter	S12	61	0.948	1.283	108.1	2.2670	0.0000	SURCHARGED
60 minute winter	S1	65	0.949	1.213	60.6	2.8562	0.0000	SURCHARGED
60 minute winter	S3	61	0.947	1.254	56.7	4.0101	0.0000	SURCHARGED
60 minute winter	S2	61	0.947	1.283	50.1	2.2671	0.0000	SURCHARGED
60 minute winter	S14	62	0.906	1.215	86.2	2.1476	0.0000	SURCHARGED
60 minute winter	S15	60	0.947	1.293	201.0	5.8178	0.0000	SURCHARGED
60 minute winter	S75	52	0.982	1.344	207.1	3.4198	0.0000	SURCHARGED
60 minute winter	S87	33	1.300	1.586	45.3	5.1450	2.1515	FLOOD
60 minute winter	S88	33	1.299	1.607	87.6	5.2400	0.0000	FLOOD RISK
60 minute winter	S89	36	1.266	1.596	132.3	5.1714	0.0000	FLOOD RISK
60 minute winter	S90	38	1.204	1.556	175.6	4.9570	0.0000	FLOOD RISK
60 minute winter	S92	41	1.097	1.476	295.5	3.7562	0.0000	FLOOD RISK
60 minute winter	S81	33	1.300	1.602	45.3	5.1729	6.8399	FLOOD
60 minute winter	S82	33	1.300	1.624	87.7	5.2731	0.0006	FLOOD
60 minute winter	S83	37	1.279	1.624	130.1	5.2419	0.0000	FLOOD RISK
60 minute winter	S84	39	1.234	1.601	171.7	5.0796	0.0000	FLOOD RISK
60 minute winter	S86	40	1.149	1.542	168.7	3.9245	0.0000	FLOOD RISK
60 minute winter	S76	33	1.300	1.617	45.3	5.1987	6.0184	FLOOD
60 minute winter	S77	33	1.300	1.639	87.9	5.2989	0.0208	FLOOD

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S26	1.000	S16	-37.1	-0.234	-0.524	9.2005	
60 minute winter	S25	2.000	S16	-34.7	-0.219	-0.492	7.3393	
60 minute winter	S16	1.001	S145	-67.1	-0.424	-0.941	15.0038	
60 minute winter	S145	1.002	S75	58.5	0.369	0.829	15.0038	
60 minute winter	S4	3.000	S5	-69.1	-0.436	-0.980	13.1095	
60 minute winter	S5	3.001	S11	-76.5	-0.483	-1.072	13.1095	
60 minute winter	S9	4.000	S10	40.5	0.273	0.577	8.0648	
60 minute winter	S10	4.001	S11	44.6	0.427	0.586	1.3780	
60 minute winter	S11	3.002	S12	-92.7	-0.585	-1.314	2.8740	
60 minute winter	S12	3.003	S15	-104.6	-0.660	-1.520	3.6838	
60 minute winter	S1	5.000	S3	-45.3	-0.286	-0.637	13.5151	
60 minute winter	S3	5.001	S2	45.7	0.331	0.645	9.1848	
60 minute winter	S2	5.002	S15	-39.8	0.276	-0.583	3.4165	
60 minute winter	S14	6.000	S15	-86.2	-0.544	-1.225	11.8707	
60 minute winter	S15	3.004	S75	-147.2	-0.929	-2.056	4.9661	
60 minute winter	S75	1.003	S92	-207.1	-1.307	-2.911	5.3380	
60 minute winter	S87	7.000	S88	41.1	0.259	0.576	6.8747	
60 minute winter	S88	7.001	S89	85.8	0.542	1.203	6.8747	
60 minute winter	S89	7.002	S90	130.3	0.823	1.827	6.8747	
60 minute winter	S90	7.003	S92	173.5	1.095	2.462	8.6413	
60 minute winter	S92	1.005	S86	127.8	0.807	1.799	4.4095	
60 minute winter	S81	8.000	S82	41.2	0.260	0.578	6.8747	
60 minute winter	S82	8.001	S83	83.7	0.528	1.201	6.8747	
60 minute winter	S83	8.002	S84	126.5	0.798	1.773	6.8747	
60 minute winter	S84	8.003	S86	168.7	1.065	2.375	8.1975	
60 minute winter	S86	1.006	S30	128.7	0.812	1.813	4.4165	
60 minute winter	S76	9.000	S77	41.4	0.262	0.581	6.8747	
60 minute winter	S77	9.001	S78	83.9	0.529	1.176	6.8747	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S78	37	1.278	1.639	130.4	5.2678	0.0000	FLOOD RISK
60 minute winter	S79	39	1.233	1.615	171.9	5.1005	0.0000	FLOOD RISK
60 minute winter	S30	40	1.150	1.557	217.7	3.9625	0.0000	FLOOD RISK
60 minute winter	S31	40	1.124	1.460	48.9	4.8340	0.0000	FLOOD RISK
60 minute winter	S32	40	1.117	1.496	88.8	4.6190	0.0000	FLOOD RISK
60 minute winter	S33	41	1.092	1.515	242.8	3.8564	0.0000	FLOOD RISK
60 minute winter	S34	46	0.990	1.429	194.9	2.5256	0.0000	SURCHARGED
60 minute winter	S35	47	0.868	1.334	147.6	2.3574	0.0000	SURCHARGED
60 minute winter	S36	47	0.828	1.270	35.1	2.2445	0.0000	SURCHARGED
60 minute winter	S37	47	0.826	1.297	210.8	6.3743	0.0000	SURCHARGED
60 minute winter	S38	47	0.503	1.019	181.4	1.8008	0.0000	SURCHARGED
60 minute winter	S39	48	0.181	0.743	181.3	1.3123	0.0000	SURCHARGED
60 minute winter	S56	48	0.124	0.683	5.9	1.2061	0.0000	SURCHARGED
60 minute winter	S57	48	0.124	0.689	181.3	1.7524	0.0000	SURCHARGED
60 minute winter	S125	48	0.001	0.556	15.1	0.9818	0.0000	SURCHARGED
60 minute winter	S127	48	0.001	0.580	181.3	1.4752	0.0000	SURCHARGED
60 minute winter	S119	48	-0.119	0.450	13.7	0.7943	0.0000	OK
60 minute winter	S60	48	-0.119	0.474	181.3	1.2052	0.0000	SURCHARGED
60 minute winter	Pond Inlet 1	48	-0.258	0.352	181.3	0.6225	0.0000	OK
60 minute winter	Pond Outlet	908	-0.263	0.347	162.1	0.3924	0.0000	SURCHARGED
60 minute winter	S13	1221	-0.263	0.375	1.2	1.2990	0.0000	SURCHARGED
60 minute winter	Final Outfall	1	-0.740	0.000	0.0	0.0000	0.0000	OK
60 minute winter	PP-S26	54	1.011	0.511	48.4	53.1667	0.0000	SURCHARGED
60 minute winter	PP-S25	56	1.010	0.510	43.9	45.8304	0.0000	SURCHARGED
60 minute winter	PP-S16	55	1.010	0.510	69.5	79.4187	0.0000	SURCHARGED
60 minute winter	PP-S145	57	1.003	0.503	76.9	81.7573	0.0000	SURCHARGED
60 minute winter	PP-S4	63	0.956	0.456	47.1	64.8632	0.0000	SURCHARGED
60 minute winter	PP-S1	65	0.950	0.450	102.9	156.3027	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 winter	S78	9.002	S79	126.6	0.799	1.817	6.8745	
60 minute winter	S79	9.003	S30	170.5	1.076	2.371	7.6907	
60 minute winter	S30	1.007	S33	156.1	0.986	2.193	5.0209	
60 minute winter	S31	10.000	S32	46.6	0.294	0.658	13.6740	
60 minute winter	S32	10.001	S33	87.6	0.553	1.224	13.6740	
60 minute winter	S33	1.008	S34	194.9	1.231	2.764	5.1108	
60 minute winter	S34	1.009	S35	145.7	0.920	2.051	8.5103	
60 minute winter	S35	1.010	S37	147.9	0.933	2.226	1.7947	
60 minute winter	S36	11.000	S37	-35.1	-0.221	-0.493	9.1184	
60 minute winter	S37	1.011	S38	181.4	1.145	2.567	14.3287	
60 minute winter	S38	1.012	S39	181.3	1.145	2.538	14.3287	
60 minute winter	S39	1.013	S57	181.3	1.144	2.862	1.1814	
60 minute winter	S56	12.011	S57	-5.9	-0.283	-0.086	2.0645	
60 minute winter	S57	1.014	S127	181.3	1.144	2.563	4.4483	
60 minute winter	S125	21.003	S127	-15.1	-0.327	-0.216	7.8151	
60 minute winter	S127	1.015	S60	181.3	1.144	2.544	4.3871	
60 minute winter	S119	22.003	S60	-13.7	-0.299	-0.196	7.8119	
60 minute winter	S60	1.016	Pond Inlet 1	181.3	1.190	2.394	4.3506	
60 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	161.6	0.058	0.003	1843.9150	
60 minute winter	Pond Outlet	1.018	S13	1.2	0.337	0.017	0.4779	
60 minute winter	S13	Pump	Final Outfall	0.0				0.0
60 minute winter	PP-S26	1.000_1	S26	-36.3	-0.913	-0.944	0.3977	
60 minute winter	PP-S25	2.000_1	S25	-33.8	-1.286	-0.588	0.1989	
60 minute winter	PP-S16	3.000_1	S16	-50.5	-1.271	-0.749	0.1989	
60 minute winter	PP-S145	4.000_2	S145	-55.3	-1.526	-0.655	0.1989	
60 minute winter	PP-S4	1.000_2	S4	-29.7	0.907	-0.521	0.1989	
60 minute winter	PP-S1	4.000_1	S1	-59.9	-1.637	-0.904	0.1989	

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Results for 100 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP-S5	63	0.954	0.454	59.4	80.4807	0.0000	SURCHARGED
60 minute winter	PP-S12	61	0.949	0.449	51.3	47.7692	0.0000	SURCHARGED
60 minute winter	PP-S14	88	0.872	0.372	86.5	212.9435	0.0000	SURCHARGED
60 minute winter	PP-S2	61	0.948	0.448	51.6	49.1019	0.0000	SURCHARGED
60 minute winter	PP-S15	60	0.947	0.447	35.7	25.8153	0.0000	SURCHARGED
60 minute winter	PP-S75	52	0.982	0.482	52.6	30.6111	0.0000	SURCHARGED
60 minute winter	PP-S24	45	1.102	0.602	111.5	89.3819	0.0000	FLOOD RISK
60 minute winter	PP-S30	41	1.153	0.653	81.4	38.4787	0.0000	FLOOD RISK
60 minute winter	PP-S33	42	1.095	0.595	67.0	36.1667	0.0000	FLOOD RISK
60 minute winter	PP-S34	47	0.995	0.495	80.2	66.6642	0.0000	SURCHARGED
60 minute winter	PP-S35	47	0.869	0.369	17.5	9.9710	0.0000	SURCHARGED
60 minute winter	PP-S36	48	0.831	0.331	51.8	36.6759	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 winter	PP-S5	2.000_2	S5	-33.4	1.202	-0.450	0.1989	
60 minute winter	PP-S12	8.000_1	S12	-45.4	-1.664	-0.499	0.1989	
60 minute winter	PP-S14	11.000_1	S14	-86.0	-2.363	-1.039	0.1989	
60 minute winter	PP-S2	10.000_1	S2	-40.8	-1.314	-0.447	0.1989	
60 minute winter	PP-S15	12.000_1	S15	-27.0	1.151	-0.287	0.1989	
60 minute winter	PP-S75	13.000_1	S75	-45.4	-1.511	-0.460	0.1989	
60 minute winter	PP-S24	14.000_1	S92	-90.8	-2.332	-0.885	0.1989	
60 minute winter	PP-S30	18.000_1	S30	-74.7	-1.996	-0.671	0.1989	
60 minute winter	PP-S33	20.000_1	S33	-59.1	-1.686	-0.518	0.1989	
60 minute winter	PP-S34	21.000_1	S34	-59.5	-1.612	-0.503	0.1989	
60 minute winter	PP-S35	22.000_2	S35	-14.5	1.015	-0.117	0.1989	
60 minute winter	PP-S36	23.000_2	S36	-34.6	1.569	-0.291	0.1989	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S26	84	0.941	1.179	29.4	2.0838	0.0000	SURCHARGED
120 minute summer	S25	86	0.941	1.185	27.7	3.0160	0.0000	SURCHARGED
120 minute summer	S16	86	0.940	1.207	97.9	5.3539	0.0000	SURCHARGED
120 minute summer	S145	86	0.933	1.248	103.8	5.3748	0.0000	SURCHARGED
120 minute summer	S4	92	0.900	1.143	26.9	2.0190	0.0000	SURCHARGED
120 minute summer	S5	94	0.898	1.182	55.1	2.0890	0.0000	SURCHARGED
120 minute summer	S9	96	0.896	1.192	22.4	2.7473	0.0000	SURCHARGED
120 minute summer	S10	96	0.896	1.217	32.3	2.1511	0.0000	SURCHARGED
120 minute summer	S11	96	0.896	1.222	55.4	2.1599	0.0000	SURCHARGED
120 minute summer	S12	96	0.896	1.231	71.4	2.1750	0.0000	SURCHARGED
120 minute summer	S1	96	0.902	1.166	47.3	2.7451	0.0000	SURCHARGED
120 minute summer	S3	96	0.899	1.206	38.2	3.8557	0.0000	SURCHARGED
120 minute summer	S2	96	0.896	1.232	37.5	2.1775	0.0000	SURCHARGED
120 minute summer	S14	104	0.873	1.182	76.3	2.0894	0.0000	SURCHARGED
120 minute summer	S15	96	0.895	1.241	170.7	5.5867	0.0000	SURCHARGED
120 minute summer	S75	82	0.916	1.278	180.5	3.2520	0.0000	SURCHARGED
120 minute summer	S87	66	1.132	1.418	35.6	4.5994	0.0000	FLOOD RISK
120 minute summer	S88	66	1.127	1.435	70.5	4.6791	0.0000	FLOOD RISK
120 minute summer	S89	66	1.105	1.435	105.5	4.6518	0.0000	FLOOD RISK
120 minute summer	S90	66	1.056	1.408	139.6	4.4832	0.0000	SURCHARGED
120 minute summer	S92	74	0.986	1.365	242.1	3.4747	0.0000	SURCHARGED
120 minute summer	S81	66	1.171	1.473	35.6	4.7557	0.0000	FLOOD RISK
120 minute summer	S82	66	1.166	1.490	70.4	4.8376	0.0000	FLOOD RISK
120 minute summer	S83	66	1.144	1.489	105.2	4.8075	0.0000	FLOOD RISK
120 minute summer	S84	66	1.095	1.462	139.1	4.6367	0.0000	FLOOD RISK
120 minute summer	S86	70	1.014	1.407	137.5	3.5818	0.0000	SURCHARGED
120 minute summer	S76	66	1.164	1.481	35.6	4.7628	0.0000	FLOOD RISK
120 minute summer	S77	66	1.160	1.499	70.4	4.8448	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 summer	S26	1.000	S16	-29.4	-0.186	-0.416	9.2005	
120 minute summer	S25	2.000	S16	-27.7	-0.175	-0.392	7.3393	
120 minute summer	S16	1.001	S145	-55.7	-0.351	-0.781	15.0038	
120 minute summer	S145	1.002	S75	48.2	0.304	0.683	15.0038	
120 minute summer	S4	3.000	S5	-26.9	-0.170	-0.381	13.1095	
120 minute summer	S5	3.001	S11	-55.1	-0.347	-0.771	13.1095	
120 minute summer	S9	4.000	S10	-14.9	0.204	-0.212	8.0648	
120 minute summer	S10	4.001	S11	-32.3	0.340	-0.424	1.3780	
120 minute summer	S11	3.002	S12	-46.9	-0.296	-0.665	2.8740	
120 minute summer	S12	3.003	S15	-71.4	-0.451	-1.037	3.6838	
120 minute summer	S1	5.000	S3	-37.8	-0.238	-0.531	13.5151	
120 minute summer	S3	5.001	S2	34.3	0.253	0.484	9.1848	
120 minute summer	S2	5.002	S15	35.2	0.222	0.516	3.4165	
120 minute summer	S14	6.000	S15	-76.3	-0.482	-1.085	11.8707	
120 minute summer	S15	3.004	S75	-127.4	-0.804	-1.779	4.9661	
120 minute summer	S75	1.003	S92	-180.5	-1.140	-2.537	5.3380	
120 minute summer	S87	7.000	S88	34.0	0.215	0.477	6.8747	
120 minute summer	S88	7.001	S89	69.0	0.436	0.967	6.8747	
120 minute summer	S89	7.002	S90	104.0	0.656	1.457	6.8747	
120 minute summer	S90	7.003	S92	138.1	0.872	1.960	8.6413	
120 minute summer	S92	1.005	S86	126.4	0.798	1.779	4.4095	
120 minute summer	S81	8.000	S82	33.9	0.214	0.475	6.8747	
120 minute summer	S82	8.001	S83	68.7	0.434	0.986	6.8747	
120 minute summer	S83	8.002	S84	103.5	0.654	1.451	6.8747	
120 minute summer	S84	8.003	S86	137.5	0.868	1.936	8.1975	
120 minute summer	S86	1.006	S30	128.3	0.810	1.807	4.4165	
120 minute summer	S76	9.000	S77	33.9	0.214	0.475	6.8747	
120 minute summer	S77	9.001	S78	68.6	0.433	0.962	6.8747	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S78	66	1.138	1.499	105.1	4.8184	0.0000	FLOOD RISK
120 minute summer	S79	66	1.089	1.471	139.0	4.6467	0.0000	SURCHARGED
120 minute summer	S30	68	1.015	1.422	169.5	3.6194	0.0000	SURCHARGED
120 minute summer	S31	70	0.988	1.324	38.4	4.3838	0.0000	SURCHARGED
120 minute summer	S32	70	0.983	1.362	70.3	4.2056	0.0000	SURCHARGED
120 minute summer	S33	70	0.963	1.386	205.0	3.5281	0.0000	SURCHARGED
120 minute summer	S34	76	0.884	1.323	179.9	2.3375	0.0000	SURCHARGED
120 minute summer	S35	78	0.767	1.233	143.7	2.1779	0.0000	SURCHARGED
120 minute summer	S36	78	0.728	1.170	21.0	2.0681	0.0000	SURCHARGED
120 minute summer	S37	78	0.726	1.197	190.1	5.8858	0.0000	SURCHARGED
120 minute summer	S38	78	0.433	0.949	173.1	1.6763	0.0000	SURCHARGED
120 minute summer	S39	78	0.139	0.701	173.1	1.2386	0.0000	SURCHARGED
120 minute summer	S56	78	0.087	0.646	1.8	1.1412	0.0000	SURCHARGED
120 minute summer	S57	78	0.087	0.652	173.1	1.6589	0.0000	SURCHARGED
120 minute summer	S125	78	-0.025	0.530	7.3	0.9360	0.0000	SURCHARGED
120 minute summer	S127	78	-0.025	0.554	173.1	1.4091	0.0000	SURCHARGED
120 minute summer	S119	78	-0.134	0.435	5.9	0.7691	0.0000	OK
120 minute summer	S60	78	-0.134	0.459	173.0	1.1687	0.0000	SURCHARGED
120 minute summer	Pond Inlet 1	396	-0.241	0.369	173.0	0.6520	0.0000	OK
120 minute summer	Pond Outlet	402	-0.241	0.369	135.1	0.4169	0.0000	SURCHARGED
120 minute summer	S13	400	-0.241	0.397	0.8	1.3742	0.0000	SURCHARGED
120 minute summer	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute summer	PP-S26	84	0.942	0.442	38.3	45.5780	0.0000	SURCHARGED
120 minute summer	PP-S25	86	0.942	0.442	34.7	39.3653	0.0000	SURCHARGED
120 minute summer	PP-S16	86	0.941	0.441	56.4	67.6787	0.0000	SURCHARGED
120 minute summer	PP-S145	86	0.934	0.434	63.5	69.5000	0.0000	SURCHARGED
120 minute summer	PP-S4	92	0.900	0.400	40.0	56.0808	0.0000	SURCHARGED
120 minute summer	PP-S1	98	0.903	0.403	80.4	139.4146	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	S78	9.002	S79	103.4	0.653	1.484	6.8745	
120 minute summer	S79	9.003	S30	137.3	0.867	1.909	7.6907	
120 minute summer	S30	1.007	S33	136.3	0.860	1.915	5.0209	
120 minute summer	S31	10.000	S32	36.6	0.231	0.518	13.6740	
120 minute summer	S32	10.001	S33	68.7	0.434	0.960	13.6740	
120 minute summer	S33	1.008	S34	179.9	1.136	2.551	5.1108	
120 minute summer	S34	1.009	S35	143.3	0.905	2.018	8.5103	
120 minute summer	S35	1.010	S37	143.9	0.909	2.166	1.7947	
120 minute summer	S36	11.000	S37	-21.0	-0.133	-0.295	9.1184	
120 minute summer	S37	1.011	S38	173.1	1.092	2.449	14.3287	
120 minute summer	S38	1.012	S39	173.1	1.092	2.422	14.3287	
120 minute summer	S39	1.013	S57	173.1	1.092	2.732	1.1814	
120 minute summer	S56	12.011	S57	-1.8	-0.202	-0.026	2.0645	
120 minute summer	S57	1.014	S127	173.1	1.092	2.447	4.4483	
120 minute summer	S125	21.003	S127	-7.3	-0.252	-0.104	7.8151	
120 minute summer	S127	1.015	S60	173.0	1.092	2.429	4.3871	
120 minute summer	S119	22.003	S60	-5.9	-0.221	-0.085	7.7779	
120 minute summer	S60	1.016	Pond Inlet 1	173.0	1.159	2.285	4.3036	
120 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	135.1	0.050	0.003	1966.7469	
120 minute summer	Pond Outlet	1.018	S13	0.8	0.278	0.011	0.4779	
120 minute summer	S13	Pump	Final Outfall	0.0				0.0
120 minute summer	PP-S26	1.000_1	S26	-28.9	-0.737	-0.752	0.3977	
120 minute summer	PP-S25	2.000_1	S25	-26.9	0.756	-0.468	0.1989	
120 minute summer	PP-S16	3.000_1	S16	-41.8	-1.051	-0.619	0.1989	
120 minute summer	PP-S145	4.000_2	S145	-46.6	-1.172	-0.552	0.1989	
120 minute summer	PP-S4	1.000_2	S4	-26.5	0.893	-0.465	0.1989	
120 minute summer	PP-S1	4.000_1	S1	-46.9	-1.296	-0.708	0.1989	

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Results for 100 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	PP-S5	94	0.899	0.399	47.6	69.4963	0.0000	SURCHARGED
120 minute summer	PP-S12	96	0.896	0.396	37.3	41.9113	0.0000	SURCHARGED
120 minute summer	PP-S14	124	0.867	0.367	76.5	209.9982	0.0000	SURCHARGED
120 minute summer	PP-S2	96	0.896	0.396	41.9	43.3218	0.0000	SURCHARGED
120 minute summer	PP-S15	96	0.895	0.395	22.9	22.7275	0.0000	SURCHARGED
120 minute summer	PP-S75	82	0.916	0.416	31.8	26.2951	0.0000	SURCHARGED
120 minute summer	PP-S24	74	0.995	0.495	84.0	72.5412	0.0000	SURCHARGED
120 minute summer	PP-S30	68	1.018	0.518	52.8	30.3301	0.0000	SURCHARGED
120 minute summer	PP-S33	70	0.965	0.465	43.3	28.0286	0.0000	SURCHARGED
120 minute summer	PP-S34	78	0.887	0.387	63.8	51.2783	0.0000	SURCHARGED
120 minute summer	PP-S35	78	0.767	0.267	11.2	7.1610	0.0000	SURCHARGED
120 minute summer	PP-S36	78	0.731	0.231	33.8	24.4607	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	PP-S5	2.000_2	S5	-27.7	1.084	-0.374	0.1989	
120 minute summer	PP-S12	8.000_1	S12	-30.5	1.007	-0.336	0.1989	
120 minute summer	PP-S14	11.000_1	S14	-76.2	-2.081	-0.920	0.1989	
120 minute summer	PP-S2	10.000_1	S2	-31.9	1.045	-0.350	0.1989	
120 minute summer	PP-S15	12.000_1	S15	23.3	1.014	0.247	0.1989	
120 minute summer	PP-S75	13.000_1	S75	-25.7	1.037	-0.260	0.1989	
120 minute summer	PP-S24	14.000_1	S92	-65.8	-1.683	-0.641	0.1989	
120 minute summer	PP-S30	18.000_1	S30	-48.6	-1.705	-0.437	0.1989	
120 minute summer	PP-S33	20.000_1	S33	-36.6	1.196	-0.320	0.1989	
120 minute summer	PP-S34	21.000_1	S34	-46.9	1.468	-0.397	0.1989	
120 minute summer	PP-S35	22.000_2	S35	-9.2	0.915	-0.074	0.1989	
120 minute summer	PP-S36	23.000_2	S36	-20.6	1.447	-0.173	0.1989	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S26	92	1.004	1.242	27.2	2.1939	0.0000	SURCHARGED
120 minute winter	S25	92	1.004	1.248	25.1	3.1750	0.0000	SURCHARGED
120 minute winter	S16	92	1.003	1.270	77.3	5.6321	0.0000	SURCHARGED
120 minute winter	S145	90	0.997	1.312	79.8	5.6498	0.0000	SURCHARGED
120 minute winter	S4	98	0.967	1.210	43.7	2.1378	0.0000	SURCHARGED
120 minute winter	S5	98	0.965	1.249	47.7	2.2079	0.0000	SURCHARGED
120 minute winter	S9	100	0.964	1.260	10.0	2.9019	0.0000	SURCHARGED
120 minute winter	S10	100	0.963	1.284	9.7	2.2697	0.0000	SURCHARGED
120 minute winter	S11	100	0.963	1.289	48.0	2.2785	0.0000	SURCHARGED
120 minute winter	S12	100	0.963	1.298	56.8	2.2934	0.0000	SURCHARGED
120 minute winter	S1	100	0.969	1.233	45.8	2.9030	0.0000	SURCHARGED
120 minute winter	S3	102	0.966	1.273	36.6	4.0704	0.0000	SURCHARGED
120 minute winter	S2	102	0.963	1.299	38.4	2.2960	0.0000	SURCHARGED
120 minute winter	S14	114	0.941	1.250	77.5	2.2081	0.0000	SURCHARGED
120 minute winter	S15	100	0.962	1.308	155.1	5.8877	0.0000	SURCHARGED
120 minute winter	S75	88	0.979	1.341	153.2	3.4123	0.0000	SURCHARGED
120 minute winter	S87	74	1.073	1.359	27.5	4.4099	0.0000	SURCHARGED
120 minute winter	S88	74	1.071	1.379	54.7	4.4985	0.0000	SURCHARGED
120 minute winter	S89	74	1.063	1.393	82.0	4.5139	0.0000	SURCHARGED
120 minute winter	S90	76	1.046	1.398	108.5	4.4516	0.0000	SURCHARGED
120 minute winter	S92	80	1.013	1.392	189.4	3.5422	0.0000	SURCHARGED
120 minute winter	S81	72	1.088	1.390	27.5	4.4883	0.0000	SURCHARGED
120 minute winter	S82	72	1.086	1.410	54.7	4.5771	0.0000	SURCHARGED
120 minute winter	S83	74	1.075	1.420	82.0	4.5852	0.0000	SURCHARGED
120 minute winter	S84	74	1.055	1.422	108.5	4.5101	0.0000	SURCHARGED
120 minute winter	S86	78	1.020	1.413	126.8	3.5968	0.0000	SURCHARGED
120 minute winter	S76	72	1.084	1.401	27.5	4.5039	0.0000	SURCHARGED
120 minute winter	S77	72	1.082	1.421	54.7	4.5927	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	S26	1.000	S16	-24.4	-0.154	-0.345	9.2005	
120 minute winter	S25	2.000	S16	-22.4	-0.141	-0.317	7.3393	
120 minute winter	S16	1.001	S145	-44.8	-0.283	-0.629	15.0038	
120 minute winter	S145	1.002	S75	48.0	0.309	0.681	15.0038	
120 minute winter	S4	3.000	S5	-39.4	-0.249	-0.559	13.1095	
120 minute winter	S5	3.001	S11	-47.7	-0.301	-0.668	13.1095	
120 minute winter	S9	4.000	S10	9.6	0.218	0.136	8.0648	
120 minute winter	S10	4.001	S11	9.2	0.312	0.121	1.3780	
120 minute winter	S11	3.002	S12	-44.0	-0.278	-0.624	2.8740	
120 minute winter	S12	3.003	S15	-56.8	-0.359	-0.826	3.6838	
120 minute winter	S1	5.000	S3	-36.0	-0.227	-0.506	13.5151	
120 minute winter	S3	5.001	S2	23.6	0.274	0.333	9.1848	
120 minute winter	S2	5.002	S15	36.8	0.232	0.540	3.4165	
120 minute winter	S14	6.000	S15	-77.5	-0.489	-1.100	11.8707	
120 minute winter	S15	3.004	S75	-122.6	-0.774	-1.712	4.9661	
120 minute winter	S75	1.003	S92	-153.2	-0.967	-2.152	5.3380	
120 minute winter	S87	7.000	S88	26.5	0.193	0.372	6.8747	
120 minute winter	S88	7.001	S89	53.8	0.340	0.754	6.8747	
120 minute winter	S89	7.002	S90	81.0	0.511	1.136	6.8747	
120 minute winter	S90	7.003	S92	107.6	0.679	1.527	8.6413	
120 minute winter	S92	1.005	S86	125.4	0.792	1.765	4.4095	
120 minute winter	S81	8.000	S82	26.5	0.192	0.372	6.8747	
120 minute winter	S82	8.001	S83	53.8	0.339	0.772	6.8747	
120 minute winter	S83	8.002	S84	81.0	0.511	1.135	6.8747	
120 minute winter	S84	8.003	S86	107.5	0.679	1.514	8.1975	
120 minute winter	S86	1.006	S30	126.8	0.800	1.786	4.4165	
120 minute winter	S76	9.000	S77	26.5	0.193	0.372	6.8747	
120 minute winter	S77	9.001	S78	53.7	0.339	0.753	6.8747	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S78	74	1.071	1.432	81.9	4.6034	0.0000	SURCHARGED
120 minute winter	S79	74	1.051	1.433	108.5	4.5259	0.0000	SURCHARGED
120 minute winter	S30	78	1.018	1.425	138.5	3.6269	0.0000	SURCHARGED
120 minute winter	S31	78	0.989	1.325	29.6	4.3900	0.0000	SURCHARGED
120 minute winter	S32	78	0.987	1.366	54.6	4.2183	0.0000	SURCHARGED
120 minute winter	S33	80	0.977	1.400	172.7	3.5635	0.0000	SURCHARGED
120 minute winter	S34	82	0.904	1.343	161.9	2.3722	0.0000	SURCHARGED
120 minute winter	S35	82	0.782	1.248	147.3	2.2060	0.0000	SURCHARGED
120 minute winter	S36	82	0.742	1.184	22.9	2.0917	0.0000	SURCHARGED
120 minute winter	S37	82	0.741	1.212	182.3	5.9560	0.0000	SURCHARGED
120 minute winter	S38	84	0.443	0.959	174.2	1.6944	0.0000	SURCHARGED
120 minute winter	S39	84	0.146	0.708	174.2	1.2506	0.0000	SURCHARGED
120 minute winter	S56	84	0.093	0.652	2.7	1.1521	0.0000	SURCHARGED
120 minute winter	S57	84	0.093	0.658	174.1	1.6746	0.0000	SURCHARGED
120 minute winter	S125	84	-0.021	0.534	6.6	0.9445	0.0000	SURCHARGED
120 minute winter	S127	84	-0.021	0.558	174.1	1.4214	0.0000	SURCHARGED
120 minute winter	S119	84	-0.131	0.438	5.5	0.7748	0.0000	OK
120 minute winter	S60	84	-0.131	0.462	174.1	1.1770	0.0000	SURCHARGED
120 minute winter	Pond Inlet 1	384	-0.203	0.407	174.1	0.7183	0.0000	OK
120 minute winter	Pond Outlet	402	-0.204	0.406	136.7	0.4595	0.0000	SURCHARGED
120 minute winter	S13	402	-0.204	0.434	1.2	1.5044	0.0000	SURCHARGED
120 minute winter	Final Outfall	2	-0.740	0.000	0.0	0.0000	0.0000	OK
120 minute winter	PP-S26	92	1.004	0.504	30.5	52.4254	0.0000	SURCHARGED
120 minute winter	PP-S25	92	1.004	0.504	25.9	45.2930	0.0000	SURCHARGED
120 minute winter	PP-S16	92	1.004	0.504	47.3	78.4244	0.0000	SURCHARGED
120 minute winter	PP-S145	92	0.998	0.498	49.8	80.9899	0.0000	SURCHARGED
120 minute winter	PP-S4	98	0.968	0.468	34.2	66.7038	0.0000	SURCHARGED
120 minute winter	PP-S1	102	0.970	0.470	74.7	163.3517	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	S78	9.002	S79	81.0	0.511	1.162	6.8745	
120 minute winter	S79	9.003	S30	107.5	0.679	1.495	7.6907	
120 minute winter	S30	1.007	S33	131.3	0.829	1.845	5.0209	
120 minute winter	S31	10.000	S32	28.6	0.219	0.404	13.6740	
120 minute winter	S32	10.001	S33	53.6	0.339	0.750	13.6740	
120 minute winter	S33	1.008	S34	161.9	1.022	2.295	5.1108	
120 minute winter	S34	1.009	S35	145.1	0.916	2.042	8.5103	
120 minute winter	S35	1.010	S37	147.5	0.931	2.220	1.7947	
120 minute winter	S36	11.000	S37	17.7	0.112	0.249	9.1184	
120 minute winter	S37	1.011	S38	174.2	1.099	2.465	14.3287	
120 minute winter	S38	1.012	S39	174.2	1.099	2.437	14.3287	
120 minute winter	S39	1.013	S57	174.1	1.099	2.748	1.1814	
120 minute winter	S56	12.011	S57	-2.7	-0.262	-0.040	2.0645	
120 minute winter	S57	1.014	S127	174.1	1.099	2.462	4.4483	
120 minute winter	S125	21.003	S127	-6.6	-0.258	-0.095	7.8151	
120 minute winter	S127	1.015	S60	174.1	1.099	2.444	4.3871	
120 minute winter	S119	22.003	S60	-5.5	-0.233	-0.079	7.7883	
120 minute winter	S60	1.016	Pond Inlet 1	174.1	1.159	2.299	4.4780	
120 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	136.7	0.052	0.003	2181.5156	
120 minute winter	Pond Outlet	1.018	S13	1.2	0.296	0.016	0.4779	
120 minute winter	S13	Pump	Final Outfall	0.0				0.0
120 minute winter	PP-S26	1.000_1	S26	-22.8	-0.590	-0.593	0.3977	
120 minute winter	PP-S25	2.000_1	S25	-20.0	0.731	-0.347	0.1989	
120 minute winter	PP-S16	3.000_1	S16	-34.9	0.968	-0.517	0.1989	
120 minute winter	PP-S145	4.000_2	S145	-35.8	1.194	-0.424	0.1989	
120 minute winter	PP-S4	1.000_2	S4	-22.6	0.909	-0.396	0.1989	
120 minute winter	PP-S1	4.000_1	S1	-45.4	1.244	-0.685	0.1989	

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Results for 100 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	PP-S5	98	0.966	0.466	41.7	82.9038	0.0000	SURCHARGED
120 minute winter	PP-S12	100	0.963	0.463	27.7	49.3786	0.0000	SURCHARGED
120 minute winter	PP-S14	128	0.930	0.430	77.6	250.0888	0.0000	SURCHARGED
120 minute winter	PP-S2	102	0.964	0.464	29.5	50.9184	0.0000	SURCHARGED
120 minute winter	PP-S15	100	0.962	0.462	20.3	26.7374	0.0000	SURCHARGED
120 minute winter	PP-S75	88	0.979	0.479	24.2	30.4119	0.0000	SURCHARGED
120 minute winter	PP-S24	80	1.018	0.518	59.0	76.1172	0.0000	SURCHARGED
120 minute winter	PP-S30	78	1.019	0.519	38.1	30.4324	0.0000	SURCHARGED
120 minute winter	PP-S33	80	0.979	0.479	28.9	28.8588	0.0000	SURCHARGED
120 minute winter	PP-S34	82	0.906	0.406	44.9	53.9959	0.0000	SURCHARGED
120 minute winter	PP-S35	82	0.783	0.283	8.3	7.5958	0.0000	SURCHARGED
120 minute winter	PP-S36	84	0.744	0.244	24.9	26.0160	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	PP-S5	2.000_2	S5	-24.5	1.124	-0.331	0.1989	
120 minute winter	PP-S12	8.000_1	S12	-22.2	1.010	-0.244	0.1989	
120 minute winter	PP-S14	11.000_1	S14	-77.2	-2.000	-0.932	0.1989	
120 minute winter	PP-S2	10.000_1	S2	22.1	1.052	0.242	0.1989	
120 minute winter	PP-S15	12.000_1	S15	23.7	1.062	0.251	0.1989	
120 minute winter	PP-S75	13.000_1	S75	23.6	1.080	0.239	0.1989	
120 minute winter	PP-S24	14.000_1	S92	-46.0	-1.454	-0.448	0.1989	
120 minute winter	PP-S30	18.000_1	S30	-34.0	1.149	-0.305	0.1989	
120 minute winter	PP-S33	20.000_1	S33	-23.1	1.249	-0.202	0.1989	
120 minute winter	PP-S34	21.000_1	S34	-30.6	1.523	-0.259	0.1989	
120 minute winter	PP-S35	22.000_2	S35	7.3	0.909	0.058	0.1989	
120 minute winter	PP-S36	23.000_2	S36	22.9	1.443	0.192	0.1989	

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Results for 100 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S26	120	0.917	1.155	24.5	2.0406	0.0000	SURCHARGED
180 minute summer	S25	120	0.917	1.161	19.9	2.9543	0.0000	SURCHARGED
180 minute summer	S16	120	0.917	1.184	73.5	5.2477	0.0000	SURCHARGED
180 minute summer	S145	120	0.911	1.226	76.7	5.2789	0.0000	SURCHARGED
180 minute summer	S4	124	0.888	1.131	21.1	1.9986	0.0000	SURCHARGED
180 minute summer	S5	128	0.887	1.171	43.6	2.0693	0.0000	SURCHARGED
180 minute summer	S9	128	0.886	1.182	9.6	2.7232	0.0000	SURCHARGED
180 minute summer	S10	128	0.886	1.207	19.9	2.1327	0.0000	SURCHARGED
180 minute summer	S11	128	0.886	1.212	43.9	2.1415	0.0000	SURCHARGED
180 minute summer	S12	128	0.886	1.221	52.8	2.1567	0.0000	SURCHARGED
180 minute summer	S1	128	0.891	1.155	42.2	2.7202	0.0000	SURCHARGED
180 minute summer	S3	128	0.888	1.195	34.0	3.8223	0.0000	SURCHARGED
180 minute summer	S2	128	0.886	1.222	38.8	2.1592	0.0000	SURCHARGED
180 minute summer	S14	136	0.866	1.175	70.5	2.0769	0.0000	SURCHARGED
180 minute summer	S15	128	0.885	1.231	140.4	5.5401	0.0000	SURCHARGED
180 minute summer	S75	116	0.894	1.256	140.6	3.1973	0.0000	SURCHARGED
180 minute summer	S87	100	0.975	1.261	26.2	4.0917	0.0000	SURCHARGED
180 minute summer	S88	100	0.973	1.281	52.2	4.1779	0.0000	SURCHARGED
180 minute summer	S89	100	0.964	1.294	78.2	4.1924	0.0000	SURCHARGED
180 minute summer	S90	104	0.948	1.300	103.5	4.1418	0.0000	SURCHARGED
180 minute summer	S92	108	0.919	1.298	179.9	3.3040	0.0000	SURCHARGED
180 minute summer	S81	100	0.992	1.294	26.2	4.1773	0.0000	SURCHARGED
180 minute summer	S82	100	0.990	1.314	52.2	4.2649	0.0000	SURCHARGED
180 minute summer	S83	100	0.980	1.325	78.2	4.2762	0.0000	SURCHARGED
180 minute summer	S84	100	0.957	1.324	103.4	4.1995	0.0000	SURCHARGED
180 minute summer	S86	104	0.924	1.317	123.8	3.3511	0.0000	SURCHARGED
180 minute summer	S76	100	0.988	1.305	26.2	4.1955	0.0000	SURCHARGED
180 minute summer	S77	100	0.986	1.325	52.2	4.2831	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 summer	S26	1.000	S16	-21.9	-0.138	-0.309	9.2005	
180 minute summer	S25	2.000	S16	-19.9	-0.125	-0.281	7.3393	
180 minute summer	S16	1.001	S145	-41.2	-0.260	-0.578	15.0038	
180 minute summer	S145	1.002	S75	43.9	0.277	0.622	15.0038	
180 minute summer	S4	3.000	S5	-21.1	-0.133	-0.299	13.1095	
180 minute summer	S5	3.001	S11	-43.6	-0.275	-0.611	13.1095	
180 minute summer	S9	4.000	S10	19.9	0.180	0.283	8.0648	
180 minute summer	S10	4.001	S11	17.8	0.163	0.234	1.3780	
180 minute summer	S11	3.002	S12	-36.5	-0.230	-0.517	2.8740	
180 minute summer	S12	3.003	S15	-52.8	-0.333	-0.767	3.6838	
180 minute summer	S1	5.000	S3	-33.5	-0.211	-0.471	13.5151	
180 minute summer	S3	5.001	S2	24.8	0.226	0.350	9.1848	
180 minute summer	S2	5.002	S15	35.4	0.223	0.519	3.4165	
180 minute summer	S14	6.000	S15	-70.5	-0.445	-1.002	11.8707	
180 minute summer	S15	3.004	S75	-109.4	-0.691	-1.529	4.9661	
180 minute summer	S75	1.003	S92	-140.6	-0.887	-1.975	5.3380	
180 minute summer	S87	7.000	S88	25.3	0.181	0.354	6.8747	
180 minute summer	S88	7.001	S89	51.3	0.324	0.719	6.8747	
180 minute summer	S89	7.002	S90	77.3	0.488	1.083	6.8747	
180 minute summer	S90	7.003	S92	102.6	0.647	1.455	8.6413	
180 minute summer	S92	1.005	S86	123.8	0.781	1.742	4.4095	
180 minute summer	S81	8.000	S82	25.3	0.181	0.354	6.8747	
180 minute summer	S82	8.001	S83	51.3	0.324	0.736	6.8747	
180 minute summer	S83	8.002	S84	77.2	0.488	1.083	6.8747	
180 minute summer	S84	8.003	S86	102.5	0.647	1.444	8.1975	
180 minute summer	S86	1.006	S30	123.3	0.779	1.737	4.4165	
180 minute summer	S76	9.000	S77	25.3	0.182	0.355	6.8747	
180 minute summer	S77	9.001	S78	51.3	0.324	0.719	6.8747	

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Results for 100 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S78	100	0.976	1.337	78.2	4.2971	0.0000	SURCHARGED
180 minute summer	S79	100	0.953	1.335	103.5	4.2178	0.0000	SURCHARGED
180 minute summer	S30	104	0.921	1.328	138.3	3.3797	0.0000	SURCHARGED
180 minute summer	S31	108	0.893	1.229	28.3	4.0695	0.0000	SURCHARGED
180 minute summer	S32	108	0.891	1.270	52.2	3.9220	0.0000	SURCHARGED
180 minute summer	S33	108	0.884	1.307	166.7	3.3262	0.0000	SURCHARGED
180 minute summer	S34	108	0.814	1.253	156.4	2.2142	0.0000	SURCHARGED
180 minute summer	S35	112	0.702	1.168	142.5	2.0644	0.0000	SURCHARGED
180 minute summer	S36	112	0.665	1.107	22.2	1.9559	0.0000	SURCHARGED
180 minute summer	S37	112	0.664	1.135	173.9	5.5777	0.0000	SURCHARGED
180 minute summer	S38	112	0.388	0.904	167.5	1.5982	0.0000	SURCHARGED
180 minute summer	S39	112	0.113	0.675	167.5	1.1932	0.0000	SURCHARGED
180 minute summer	S56	112	0.064	0.623	1.4	1.1016	0.0000	SURCHARGED
180 minute summer	S57	112	0.064	0.629	167.5	1.6019	0.0000	SURCHARGED
180 minute summer	S125	112	-0.041	0.514	4.2	0.9088	0.0000	SURCHARGED
180 minute summer	S127	112	-0.041	0.538	167.6	1.3700	0.0000	SURCHARGED
180 minute summer	S119	112	-0.142	0.427	3.0	0.7547	0.0000	OK
180 minute summer	S60	112	-0.142	0.451	167.6	1.1481	0.0000	SURCHARGED
180 minute summer	Pond Inlet 1	412	-0.209	0.401	167.5	0.7093	0.0000	OK
180 minute summer	Pond Outlet	424	-0.209	0.401	91.2	0.4531	0.0000	SURCHARGED
180 minute summer	S13	424	-0.209	0.429	0.5	1.4850	0.0000	SURCHARGED
180 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute summer	PP-S26	120	0.917	0.417	29.1	42.8069	0.0000	SURCHARGED
180 minute summer	PP-S25	120	0.917	0.417	25.4	37.0415	0.0000	SURCHARGED
180 minute summer	PP-S16	120	0.917	0.417	44.6	63.5204	0.0000	SURCHARGED
180 minute summer	PP-S145	120	0.912	0.412	48.0	65.5477	0.0000	SURCHARGED
180 minute summer	PP-S4	124	0.888	0.388	31.5	54.2483	0.0000	SURCHARGED
180 minute summer	PP-S1	128	0.892	0.392	68.8	135.5660	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 summer	S78	9.002	S79	77.3	0.488	1.110	6.8745	
180 minute summer	S79	9.003	S30	102.6	0.648	1.427	7.6907	
180 minute summer	S30	1.007	S33	130.3	0.822	1.830	5.0209	
180 minute summer	S31	10.000	S32	27.4	0.192	0.388	13.6740	
180 minute summer	S32	10.001	S33	51.4	0.324	0.718	13.6740	
180 minute summer	S33	1.008	S34	156.4	0.987	2.218	5.1108	
180 minute summer	S34	1.009	S35	140.4	0.886	1.976	8.5103	
180 minute summer	S35	1.010	S37	142.7	0.901	2.147	1.7947	
180 minute summer	S36	11.000	S37	15.8	0.100	0.222	9.1184	
180 minute summer	S37	1.011	S38	167.5	1.057	2.371	14.3287	
180 minute summer	S38	1.012	S39	167.5	1.058	2.345	14.3287	
180 minute summer	S39	1.013	S57	167.5	1.058	2.644	1.1814	
180 minute summer	S56	12.011	S57	-1.4	-0.227	-0.021	2.0645	
180 minute summer	S57	1.014	S127	167.6	1.058	2.369	4.4483	
180 minute summer	S125	21.003	S127	-4.2	-0.176	-0.060	7.8151	
180 minute summer	S127	1.015	S60	167.6	1.058	2.352	4.3858	
180 minute summer	S119	22.003	S60	-3.0	-0.197	-0.043	7.7396	
180 minute summer	S60	1.016	Pond Inlet 1	167.5	1.134	2.212	4.4414	
180 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	91.2	0.034	0.002	2149.2600	
180 minute summer	Pond Outlet	1.018	S13	0.5	0.240	0.007	0.4779	
180 minute summer	S13	Pump	Final Outfall	0.0				0.0
180 minute summer	PP-S26	1.000_1	S26	-21.5	0.655	-0.559	0.3977	
180 minute summer	PP-S25	2.000_1	S25	-19.3	0.668	-0.336	0.1989	
180 minute summer	PP-S16	3.000_1	S16	-32.8	0.888	-0.485	0.1989	
180 minute summer	PP-S145	4.000_2	S145	-34.4	1.097	-0.407	0.1989	
180 minute summer	PP-S4	1.000_2	S4	-20.8	0.834	-0.364	0.1989	
180 minute summer	PP-S1	4.000_1	S1	-41.8	1.219	-0.630	0.1989	

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Results for 100 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP-S5	128	0.888	0.388	38.2	67.2947	0.0000	SURCHARGED
180 minute summer	PP-S12	128	0.886	0.386	25.9	40.7576	0.0000	SURCHARGED
180 minute summer	PP-S14	156	0.861	0.361	70.6	205.9225	0.0000	SURCHARGED
180 minute summer	PP-S2	128	0.886	0.386	27.8	42.1521	0.0000	SURCHARGED
180 minute summer	PP-S15	128	0.885	0.385	17.9	22.1070	0.0000	SURCHARGED
180 minute summer	PP-S75	116	0.895	0.395	20.7	24.8817	0.0000	SURCHARGED
180 minute summer	PP-S24	108	0.924	0.424	60.0	61.3667	0.0000	SURCHARGED
180 minute summer	PP-S30	104	0.921	0.421	24.0	24.5618	0.0000	SURCHARGED
180 minute summer	PP-S33	108	0.885	0.385	24.2	23.0238	0.0000	SURCHARGED
180 minute summer	PP-S34	112	0.817	0.317	42.8	41.2869	0.0000	SURCHARGED
180 minute summer	PP-S35	112	0.702	0.202	8.8	5.3919	0.0000	OK
180 minute summer	PP-S36	112	0.666	0.166	19.8	16.5507	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP-S5	2.000_2	S5	23.5	1.033	0.317	0.1989	
180 minute summer	PP-S12	8.000_1	S12	-20.6	0.919	-0.227	0.1989	
180 minute summer	PP-S14	11.000_1	S14	-70.3	-1.872	-0.849	0.1989	
180 minute summer	PP-S2	10.000_1	S2	-20.0	1.005	-0.219	0.1989	
180 minute summer	PP-S15	12.000_1	S15	19.0	0.965	0.201	0.1989	
180 minute summer	PP-S75	13.000_1	S75	-16.7	0.982	-0.169	0.1989	
180 minute summer	PP-S24	14.000_1	S92	-45.4	1.315	-0.443	0.1989	
180 minute summer	PP-S30	18.000_1	S30	-19.7	1.054	-0.177	0.1989	
180 minute summer	PP-S33	20.000_1	S33	-18.1	1.135	-0.158	0.1989	
180 minute summer	PP-S34	21.000_1	S34	-29.2	1.482	-0.247	0.1989	
180 minute summer	PP-S35	22.000_2	S35	-6.9	0.883	-0.055	0.1936	
180 minute summer	PP-S36	23.000_2	S36	22.2	1.403	0.187	0.1778	

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Results for 100 year +40% CC 180 minute winter. 1620 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 (m³)	Flood (m³)	Status
180 minute winter	S26	132	0.962	1.200	16.1	2.1211	0.0000	SURCHARGED
180 minute winter	S25	132	0.962	1.206	13.8	3.0701	0.0000	SURCHARGED
180 minute winter	S16	132	0.962	1.229	52.2	5.4503	0.0000	SURCHARGED
180 minute winter	S145	132	0.958	1.273	50.7	5.4816	0.0000	SURCHARGED
180 minute winter	S4	136	0.946	1.189	17.5	2.1013	0.0000	SURCHARGED
180 minute winter	S5	136	0.946	1.230	32.6	2.1736	0.0000	SURCHARGED
180 minute winter	S9	136	0.945	1.241	7.4	2.8597	0.0000	SURCHARGED
180 minute winter	S10	136	0.945	1.266	9.2	2.2374	0.0000	SURCHARGED
180 minute winter	S11	136	0.945	1.271	32.9	2.2462	0.0000	SURCHARGED
180 minute winter	S12	136	0.945	1.280	49.1	2.2615	0.0000	SURCHARGED
180 minute winter	S1	136	0.949	1.213	35.7	2.8565	0.0000	SURCHARGED
180 minute winter	S3	136	0.947	1.254	28.4	4.0112	0.0000	SURCHARGED
180 minute winter	S2	136	0.945	1.281	37.3	2.2642	0.0000	SURCHARGED
180 minute winter	S14	144	0.928	1.237	65.6	2.1851	0.0000	SURCHARGED
180 minute winter	S15	136	0.944	1.290	123.4	5.8073	0.0000	SURCHARGED
180 minute winter	S75	136	0.944	1.306	115.8	3.3228	0.0000	SURCHARGED
180 minute winter	S87	112	0.969	1.255	20.2	4.0714	0.0000	SURCHARGED
180 minute winter	S88	112	0.968	1.276	40.3	4.1613	0.0000	SURCHARGED
180 minute winter	S89	116	0.964	1.294	60.5	4.1941	0.0000	SURCHARGED
180 minute winter	S90	116	0.956	1.308	80.1	4.1671	0.0000	SURCHARGED
180 minute winter	S92	124	0.942	1.321	125.6	3.3632	0.0000	SURCHARGED
180 minute winter	S81	112	0.969	1.271	20.2	4.1028	0.0000	SURCHARGED
180 minute winter	S82	112	0.968	1.292	40.3	4.1940	0.0000	SURCHARGED
180 minute winter	S83	112	0.963	1.308	60.5	4.2233	0.0000	SURCHARGED
180 minute winter	S84	116	0.955	1.322	80.1	4.1929	0.0000	SURCHARGED
180 minute winter	S86	120	0.941	1.334	125.3	3.3957	0.0000	SURCHARGED
180 minute winter	S76	112	0.961	1.278	20.2	4.1081	0.0000	SURCHARGED
180 minute winter	S77	112	0.960	1.299	40.4	4.1991	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	S26	1.000	S16	-16.1	-0.101	-0.227	9.2005	
180 minute winter	S25	2.000	S16	15.1	0.095	0.214	7.3393	
180 minute winter	S16	1.001	S145	29.2	0.184	0.409	15.0038	
180 minute winter	S145	1.002	S75	41.6	0.270	0.590	15.0038	
180 minute winter	S4	3.000	S5	-15.7	0.116	-0.223	13.1095	
180 minute winter	S5	3.001	S11	-32.6	-0.206	-0.457	13.1095	
180 minute winter	S9	4.000	S10	7.1	0.190	0.101	8.0648	
180 minute winter	S10	4.001	S11	-9.2	0.206	-0.121	1.3780	
180 minute winter	S11	3.002	S12	34.8	0.220	0.494	2.8740	
180 minute winter	S12	3.003	S15	45.4	0.287	0.660	3.6838	
180 minute winter	S1	5.000	S3	-28.0	-0.177	-0.393	13.5151	
180 minute winter	S3	5.001	S2	20.8	0.234	0.294	9.1848	
180 minute winter	S2	5.002	S15	33.1	0.209	0.486	3.4165	
180 minute winter	S14	6.000	S15	-65.6	-0.414	-0.932	11.8707	
180 minute winter	S15	3.004	S75	-97.7	-0.617	-1.365	4.9661	
180 minute winter	S75	1.003	S92	116.2	0.733	1.633	5.3380	
180 minute winter	S87	7.000	S88	19.6	0.170	0.275	6.8747	
180 minute winter	S88	7.001	S89	39.8	0.251	0.557	6.8747	
180 minute winter	S89	7.002	S90	59.9	0.378	0.839	6.8747	
180 minute winter	S90	7.003	S92	79.5	0.502	1.128	8.6413	
180 minute winter	S92	1.005	S86	125.1	0.790	1.761	4.4095	
180 minute winter	S81	8.000	S82	19.6	0.169	0.275	6.8747	
180 minute winter	S82	8.001	S83	39.8	0.251	0.571	6.8747	
180 minute winter	S83	8.002	S84	59.9	0.378	0.840	6.8747	
180 minute winter	S84	8.003	S86	79.6	0.502	1.120	8.1975	
180 minute winter	S86	1.006	S30	124.5	0.786	1.754	4.4165	
180 minute winter	S76	9.000	S77	19.7	0.170	0.276	6.8747	
180 minute winter	S77	9.001	S78	39.8	0.251	0.558	6.8747	

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Results for 100 year +40% CC 180 minute winter. 1620 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 (m³)	Flood (m³)	Status
180 minute winter	S78	112	0.956	1.317	60.5	4.2312	0.0000	SURCHARGED
180 minute winter	S79	116	0.946	1.328	80.2	4.1938	0.0000	SURCHARGED
180 minute winter	S30	116	0.930	1.337	136.0	3.4035	0.0000	SURCHARGED
180 minute winter	S31	116	0.894	1.230	21.8	4.0742	0.0000	SURCHARGED
180 minute winter	S32	116	0.893	1.272	40.3	3.9272	0.0000	SURCHARGED
180 minute winter	S33	116	0.887	1.310	146.6	3.3341	0.0000	SURCHARGED
180 minute winter	S34	120	0.816	1.255	142.5	2.2185	0.0000	SURCHARGED
180 minute winter	S35	120	0.698	1.164	143.6	2.0576	0.0000	SURCHARGED
180 minute winter	S36	120	0.658	1.100	27.1	1.9442	0.0000	SURCHARGED
180 minute winter	S37	120	0.658	1.129	167.8	5.5486	0.0000	SURCHARGED
180 minute winter	S38	120	0.385	0.901	166.8	1.5919	0.0000	SURCHARGED
180 minute winter	S39	120	0.112	0.674	166.8	1.1911	0.0000	SURCHARGED
180 minute winter	S56	120	0.064	0.623	1.7	1.1003	0.0000	SURCHARGED
180 minute winter	S57	120	0.064	0.629	166.8	1.6000	0.0000	SURCHARGED
180 minute winter	S125	120	-0.040	0.515	5.3	0.9091	0.0000	SURCHARGED
180 minute winter	S127	120	-0.040	0.539	166.8	1.3705	0.0000	SURCHARGED
180 minute winter	S119	124	-0.141	0.428	3.4	0.7570	0.0000	OK
180 minute winter	S60	124	-0.141	0.452	166.8	1.1514	0.0000	SURCHARGED
180 minute winter	Pond Inlet 1	468	-0.166	0.444	166.7	0.7837	0.0000	OK
180 minute winter	Pond Outlet	428	-0.168	0.442	103.5	0.4997	0.0000	SURCHARGED
180 minute winter	S13	428	-0.168	0.470	0.4	1.6275	0.0000	SURCHARGED
180 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
180 minute winter	PP-S26	132	0.963	0.463	21.4	47.8420	0.0000	SURCHARGED
180 minute winter	PP-S25	132	0.963	0.463	17.9	41.3567	0.0000	SURCHARGED
180 minute winter	PP-S16	132	0.963	0.463	33.2	71.3400	0.0000	SURCHARGED
180 minute winter	PP-S145	132	0.959	0.459	33.4	73.9094	0.0000	SURCHARGED
180 minute winter	PP-S4	136	0.947	0.447	24.0	63.3903	0.0000	SURCHARGED
180 minute winter	PP-S1	136	0.950	0.450	57.4	156.2979	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	S78	9.002	S79	60.0	0.378	0.861	6.8745	
180 minute winter	S79	9.003	S30	79.6	0.503	1.107	7.6907	
180 minute winter	S30	1.007	S33	130.0	0.821	1.826	5.0209	
180 minute winter	S31	10.000	S32	21.2	0.197	0.300	13.6740	
180 minute winter	S32	10.001	S33	39.8	0.264	0.557	13.6740	
180 minute winter	S33	1.008	S34	142.5	0.900	2.021	5.1108	
180 minute winter	S34	1.009	S35	142.6	0.900	2.008	8.5103	
180 minute winter	S35	1.010	S37	143.7	0.907	2.162	1.7947	
180 minute winter	S36	11.000	S37	11.0	0.069	0.155	9.1184	
180 minute winter	S37	1.011	S38	166.8	1.053	2.361	14.3287	
180 minute winter	S38	1.012	S39	166.8	1.053	2.334	14.3287	
180 minute winter	S39	1.013	S57	166.8	1.053	2.632	1.1814	
180 minute winter	S56	12.011	S57	-1.7	-0.111	-0.025	2.0645	
180 minute winter	S57	1.014	S127	166.8	1.053	2.358	4.4483	
180 minute winter	S125	21.003	S127	-5.3	-0.229	-0.075	7.8151	
180 minute winter	S127	1.015	S60	166.8	1.053	2.341	4.3862	
180 minute winter	S119	22.003	S60	-3.4	-0.189	-0.048	7.7462	
180 minute winter	S60	1.016	Pond Inlet 1	166.7	1.124	2.202	4.6707	
180 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	103.5	0.039	0.002	2386.3596	
180 minute winter	Pond Outlet	1.018	S13	0.4	0.247	0.006	0.4779	
180 minute winter	S13	Pump	Final Outfall	0.0				0.0
180 minute winter	PP-S26	1.000_1	S26	-15.7	0.580	-0.409	0.3977	
180 minute winter	PP-S25	2.000_1	S25	-13.4	0.712	-0.233	0.1989	
180 minute winter	PP-S16	3.000_1	S16	-23.9	0.905	-0.353	0.1989	
180 minute winter	PP-S145	4.000_2	S145	24.1	1.114	0.285	0.1989	
180 minute winter	PP-S4	1.000_2	S4	17.5	0.812	0.307	0.1989	
180 minute winter	PP-S1	4.000_1	S1	-35.3	1.195	-0.532	0.1989	

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Results for 100 year +40% CC 180 minute winter. 1620 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 (m³)	Flood (m³)	Status
180 minute winter	PP-S5	136	0.947	0.447	29.9	79.0258	0.0000	SURCHARGED
180 minute winter	PP-S12	136	0.945	0.445	18.3	47.3766	0.0000	SURCHARGED
180 minute winter	PP-S14	164	0.923	0.423	65.7	245.8795	0.0000	SURCHARGED
180 minute winter	PP-S2	136	0.946	0.446	19.7	48.8824	0.0000	SURCHARGED
180 minute winter	PP-S15	136	0.944	0.444	15.6	25.6682	0.0000	SURCHARGED
180 minute winter	PP-S75	136	0.944	0.444	17.0	28.0933	0.0000	SURCHARGED
180 minute winter	PP-S24	124	0.944	0.444	35.4	64.6005	0.0000	SURCHARGED
180 minute winter	PP-S30	120	0.931	0.431	18.1	25.1203	0.0000	SURCHARGED
180 minute winter	PP-S33	116	0.887	0.387	13.9	23.1678	0.0000	SURCHARGED
180 minute winter	PP-S34	120	0.818	0.318	27.5	41.4564	0.0000	SURCHARGED
180 minute winter	PP-S35	120	0.699	0.199	4.8	5.2834	0.0000	OK
180 minute winter	PP-S36	120	0.659	0.159	13.3	15.6766	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP-S5	2.000_2	S5	-16.9	1.052	-0.228	0.1989	
180 minute winter	PP-S12	8.000_1	S12	17.1	1.047	0.187	0.1989	
180 minute winter	PP-S14	11.000_1	S14	-65.4	-1.697	-0.790	0.1989	
180 minute winter	PP-S2	10.000_1	S2	22.0	1.051	0.241	0.1989	
180 minute winter	PP-S15	12.000_1	S15	26.3	0.986	0.279	0.1989	
180 minute winter	PP-S75	13.000_1	S75	-13.5	1.002	-0.137	0.1989	
180 minute winter	PP-S24	14.000_1	S92	-24.6	1.338	-0.239	0.1989	
180 minute winter	PP-S30	18.000_1	S30	-14.9	1.068	-0.133	0.1989	
180 minute winter	PP-S33	20.000_1	S33	-10.1	1.152	-0.088	0.1989	
180 minute winter	PP-S34	21.000_1	S34	17.3	1.417	0.146	0.1989	
180 minute winter	PP-S35	22.000_2	S35	3.4	0.885	0.028	0.1922	
180 minute winter	PP-S36	23.000_2	S36	27.1	1.398	0.227	0.1742	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 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
240 minute summer	S26	152	0.887	1.125	23.0	1.9872	0.0000	SURCHARGED
240 minute summer	S25	156	0.886	1.130	16.4	2.8770	0.0000	SURCHARGED
240 minute summer	S16	156	0.886	1.153	58.5	5.1138	0.0000	SURCHARGED
240 minute summer	S145	152	0.882	1.197	59.0	5.1547	0.0000	SURCHARGED
240 minute summer	S4	160	0.870	1.113	17.5	1.9660	0.0000	SURCHARGED
240 minute summer	S5	160	0.870	1.154	35.7	2.0385	0.0000	SURCHARGED
240 minute summer	S9	160	0.869	1.165	8.6	2.6830	0.0000	SURCHARGED
240 minute summer	S10	160	0.869	1.190	8.2	2.1033	0.0000	SURCHARGED
240 minute summer	S11	160	0.869	1.195	36.0	2.1120	0.0000	SURCHARGED
240 minute summer	S12	160	0.868	1.203	41.4	2.1265	0.0000	SURCHARGED
240 minute summer	S1	160	0.873	1.137	36.0	2.6765	0.0000	SURCHARGED
240 minute summer	S3	160	0.871	1.178	29.4	3.7682	0.0000	SURCHARGED
240 minute summer	S2	160	0.869	1.205	31.6	2.1286	0.0000	SURCHARGED
240 minute summer	S14	168	0.853	1.162	64.2	2.0540	0.0000	SURCHARGED
240 minute summer	S15	160	0.867	1.213	121.2	5.4607	0.0000	SURCHARGED
240 minute summer	S75	152	0.868	1.230	115.0	3.1293	0.0000	SURCHARGED
240 minute summer	S87	136	0.903	1.189	22.0	3.8558	0.0000	SURCHARGED
240 minute summer	S88	136	0.902	1.210	43.5	3.9447	0.0000	SURCHARGED
240 minute summer	S89	136	0.897	1.227	65.1	3.9773	0.0000	SURCHARGED
240 minute summer	S90	136	0.887	1.239	86.1	3.9448	0.0000	SURCHARGED
240 minute summer	S92	144	0.871	1.250	138.9	3.1801	0.0000	SURCHARGED
240 minute summer	S81	132	0.906	1.208	22.0	3.8996	0.0000	SURCHARGED
240 minute summer	S82	132	0.904	1.228	43.5	3.9883	0.0000	SURCHARGED
240 minute summer	S83	136	0.899	1.244	65.0	4.0142	0.0000	SURCHARGED
240 minute summer	S84	136	0.888	1.255	86.1	3.9804	0.0000	SURCHARGED
240 minute summer	S86	144	0.869	1.262	121.4	3.2128	0.0000	SURCHARGED
240 minute summer	S76	132	0.900	1.217	22.0	3.9139	0.0000	SURCHARGED
240 minute summer	S77	132	0.899	1.238	43.5	4.0025	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S26	1.000	S16	-18.1	-0.114	-0.255	9.2005	
240 minute summer	S25	2.000	S16	-15.0	-0.095	-0.213	7.3393	
240 minute summer	S16	1.001	S145	-32.1	-0.202	-0.449	15.0038	
240 minute summer	S145	1.002	S75	38.1	0.264	0.540	15.0038	
240 minute summer	S4	3.000	S5	-17.3	0.110	-0.245	13.1095	
240 minute summer	S5	3.001	S11	-35.7	-0.226	-0.501	13.1095	
240 minute summer	S9	4.000	S10	-8.6	0.164	-0.122	8.0648	
240 minute summer	S10	4.001	S11	8.2	0.179	0.108	1.3780	
240 minute summer	S11	3.002	S12	-29.1	-0.184	-0.412	2.8740	
240 minute summer	S12	3.003	S15	43.6	0.275	0.633	3.6838	
240 minute summer	S1	5.000	S3	-29.0	-0.183	-0.407	13.5151	
240 minute summer	S3	5.001	S2	18.5	0.211	0.261	9.1848	
240 minute summer	S2	5.002	S15	33.4	0.211	0.490	3.4165	
240 minute summer	S14	6.000	S15	-64.2	-0.406	-0.913	11.8707	
240 minute summer	S15	3.004	S75	-94.8	-0.598	-1.324	4.9661	
240 minute summer	S75	1.003	S92	115.0	0.726	1.616	5.3380	
240 minute summer	S87	7.000	S88	21.0	0.163	0.295	6.8747	
240 minute summer	S88	7.001	S89	42.6	0.269	0.597	6.8747	
240 minute summer	S89	7.002	S90	64.1	0.405	0.899	6.8747	
240 minute summer	S90	7.003	S92	85.3	0.538	1.210	8.6413	
240 minute summer	S92	1.005	S86	119.3	0.753	1.680	4.4095	
240 minute summer	S81	8.000	S82	21.0	0.162	0.295	6.8747	
240 minute summer	S82	8.001	S83	42.5	0.269	0.611	6.8747	
240 minute summer	S83	8.002	S84	64.1	0.405	0.898	6.8747	
240 minute summer	S84	8.003	S86	85.2	0.538	1.200	8.1975	
240 minute summer	S86	1.006	S30	121.7	0.768	1.714	4.4165	
240 minute summer	S76	9.000	S77	21.0	0.163	0.295	6.8747	
240 minute summer	S77	9.001	S78	42.6	0.269	0.597	6.8747	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 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
240 minute summer	S78	136	0.893	1.254	65.1	4.0306	0.0000	SURCHARGED
240 minute summer	S79	136	0.882	1.264	86.1	3.9941	0.0000	SURCHARGED
240 minute summer	S30	140	0.863	1.270	130.6	3.2318	0.0000	SURCHARGED
240 minute summer	S31	140	0.832	1.168	23.7	3.8694	0.0000	SURCHARGED
240 minute summer	S32	140	0.831	1.210	43.6	3.7362	0.0000	SURCHARGED
240 minute summer	S33	140	0.825	1.248	147.8	3.1769	0.0000	SURCHARGED
240 minute summer	S34	144	0.760	1.199	144.0	2.1178	0.0000	SURCHARGED
240 minute summer	S35	144	0.651	1.117	141.8	1.9730	0.0000	SURCHARGED
240 minute summer	S36	144	0.614	1.056	20.7	1.8654	0.0000	SURCHARGED
240 minute summer	S37	144	0.613	1.084	164.3	5.3283	0.0000	SURCHARGED
240 minute summer	S38	144	0.353	0.869	162.9	1.5352	0.0000	SURCHARGED
240 minute summer	S39	144	0.093	0.655	162.9	1.1568	0.0000	SURCHARGED
240 minute summer	S56	144	0.047	0.606	1.3	1.0700	0.0000	SURCHARGED
240 minute summer	S57	144	0.047	0.612	162.9	1.5564	0.0000	SURCHARGED
240 minute summer	S125	144	-0.053	0.502	3.8	0.8874	0.0000	SURCHARGED
240 minute summer	S127	144	-0.053	0.526	162.9	1.3392	0.0000	SURCHARGED
240 minute summer	S119	148	-0.148	0.421	3.5	0.7438	0.0000	OK
240 minute summer	S60	148	-0.148	0.445	162.9	1.1324	0.0000	OK
240 minute summer	Pond Inlet 1	428	-0.185	0.425	162.8	0.7513	0.0000	OK
240 minute summer	Pond Outlet	452	-0.185	0.425	81.7	0.4805	0.0000	SURCHARGED
240 minute summer	S13	452	-0.185	0.453	0.5	1.5688	0.0000	SURCHARGED
240 minute summer	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute summer	PP-S26	152	0.887	0.387	24.0	39.4579	0.0000	SURCHARGED
240 minute summer	PP-S25	156	0.887	0.387	19.5	34.1540	0.0000	SURCHARGED
240 minute summer	PP-S16	156	0.887	0.387	36.2	58.3374	0.0000	SURCHARGED
240 minute summer	PP-S145	156	0.883	0.383	37.3	60.2645	0.0000	SURCHARGED
240 minute summer	PP-S4	160	0.870	0.370	26.1	51.3377	0.0000	SURCHARGED
240 minute summer	PP-S1	160	0.874	0.374	57.9	129.2682	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S78	9.002	S79	64.1	0.405	0.921	6.8745	
240 minute summer	S79	9.003	S30	85.2	0.538	1.185	7.6907	
240 minute summer	S30	1.007	S33	126.8	0.800	1.781	5.0209	
240 minute summer	S31	10.000	S32	22.8	0.182	0.323	13.6740	
240 minute summer	S32	10.001	S33	42.8	0.270	0.599	13.6740	
240 minute summer	S33	1.008	S34	144.0	0.909	2.041	5.1108	
240 minute summer	S34	1.009	S35	139.6	0.881	1.966	8.5103	
240 minute summer	S35	1.010	S37	141.9	0.896	2.136	1.7947	
240 minute summer	S36	11.000	S37	15.3	0.096	0.215	9.1184	
240 minute summer	S37	1.011	S38	162.9	1.028	2.305	14.3287	
240 minute summer	S38	1.012	S39	162.9	1.028	2.279	14.3287	
240 minute summer	S39	1.013	S57	162.9	1.028	2.570	1.1814	
240 minute summer	S56	12.011	S57	-1.3	-0.123	-0.019	2.0645	
240 minute summer	S57	1.014	S127	162.9	1.028	2.303	4.4483	
240 minute summer	S125	21.003	S127	-3.8	-0.208	-0.054	7.8151	
240 minute summer	S127	1.015	S60	162.9	1.028	2.286	4.3832	
240 minute summer	S119	22.003	S60	-3.5	-0.152	-0.051	7.7025	
240 minute summer	S60	1.016	Pond Inlet 1	162.8	1.112	2.150	4.5820	
240 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	81.7	0.029	0.002	2288.4475	
240 minute summer	Pond Outlet	1.018	S13	0.5	0.212	0.006	0.4779	
240 minute summer	S13	Pump	Final Outfall	0.0				0.0
240 minute summer	PP-S26	1.000_1	S26	-17.7	0.661	-0.460	0.3977	
240 minute summer	PP-S25	2.000_1	S25	16.4	0.676	0.285	0.1989	
240 minute summer	PP-S16	3.000_1	S16	-26.2	0.899	-0.388	0.1989	
240 minute summer	PP-S145	4.000_2	S145	-26.1	1.106	-0.309	0.1989	
240 minute summer	PP-S4	1.000_2	S4	17.5	0.798	0.306	0.1989	
240 minute summer	PP-S1	4.000_1	S1	-35.7	1.196	-0.538	0.1989	

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Results for 100 year +40% CC 240 minute summer. 1680 minute analysis at 4 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
240 minute summer	PP-S5	160	0.870	0.370	31.7	63.7515	0.0000	SURCHARGED
240 minute summer	PP-S12	160	0.869	0.369	18.8	38.8631	0.0000	SURCHARGED
240 minute summer	PP-S14	184	0.849	0.349	64.3	198.8334	0.0000	SURCHARGED
240 minute summer	PP-S2	160	0.869	0.369	20.0	40.2627	0.0000	SURCHARGED
240 minute summer	PP-S15	160	0.868	0.368	12.7	21.0983	0.0000	SURCHARGED
240 minute summer	PP-S75	152	0.868	0.368	15.2	23.1235	0.0000	SURCHARGED
240 minute summer	PP-S24	144	0.873	0.373	42.3	53.3475	0.0000	SURCHARGED
240 minute summer	PP-S30	140	0.863	0.363	16.8	21.0775	0.0000	SURCHARGED
240 minute summer	PP-S33	140	0.826	0.326	15.5	19.3220	0.0000	SURCHARGED
240 minute summer	PP-S34	144	0.761	0.261	31.1	33.4114	0.0000	SURCHARGED
240 minute summer	PP-S35	144	0.651	0.151	5.9	3.9702	0.0000	OK
240 minute summer	PP-S36	144	0.613	0.113	11.8	10.0737	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	PP-S5	2.000_2	S5	-18.2	1.041	-0.245	0.1989	
240 minute summer	PP-S12	8.000_1	S12	19.0	0.897	0.209	0.1989	
240 minute summer	PP-S14	11.000_1	S14	-64.0	-1.715	-0.773	0.1989	
240 minute summer	PP-S2	10.000_1	S2	25.1	0.974	0.275	0.1989	
240 minute summer	PP-S15	12.000_1	S15	-9.2	0.974	-0.098	0.1989	
240 minute summer	PP-S75	13.000_1	S75	13.7	0.991	0.139	0.1989	
240 minute summer	PP-S24	14.000_1	S92	-30.5	1.324	-0.297	0.1989	
240 minute summer	PP-S30	18.000_1	S30	17.8	1.067	0.160	0.1989	
240 minute summer	PP-S33	20.000_1	S33	-10.3	1.144	-0.090	0.1989	
240 minute summer	PP-S34	21.000_1	S34	-19.9	1.405	-0.168	0.1989	
240 minute summer	PP-S35	22.000_2	S35	4.7	0.837	0.038	0.1700	
240 minute summer	PP-S36	23.000_2	S36	20.7	1.324	0.174	0.1490	

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Results for 100 year +40% CC 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	S26	172	0.924	1.163	11.3	2.0541	0.0000	SURCHARGED
240 minute winter	S25	172	0.925	1.169	13.9	2.9741	0.0000	SURCHARGED
240 minute winter	S16	172	0.924	1.191	35.4	5.2827	0.0000	SURCHARGED
240 minute winter	S145	172	0.922	1.237	46.9	5.3256	0.0000	SURCHARGED
240 minute winter	S4	172	0.915	1.158	19.1	2.0459	0.0000	SURCHARGED
240 minute winter	S5	172	0.914	1.198	34.3	2.1177	0.0000	SURCHARGED
240 minute winter	S9	172	0.915	1.211	6.0	2.7895	0.0000	SURCHARGED
240 minute winter	S10	172	0.913	1.234	12.6	2.1810	0.0000	SURCHARGED
240 minute winter	S11	172	0.913	1.239	25.9	2.1902	0.0000	SURCHARGED
240 minute winter	S12	172	0.914	1.249	41.0	2.2075	0.0000	SURCHARGED
240 minute winter	S1	172	0.917	1.181	27.4	2.7821	0.0000	SURCHARGED
240 minute winter	S3	172	0.916	1.223	21.4	3.9099	0.0000	SURCHARGED
240 minute winter	S2	172	0.916	1.252	25.1	2.2116	0.0000	SURCHARGED
240 minute winter	S14	184	0.906	1.215	58.3	2.1465	0.0000	SURCHARGED
240 minute winter	S15	172	0.915	1.261	99.1	5.6769	0.0000	SURCHARGED
240 minute winter	S75	172	0.914	1.276	115.7	3.2473	0.0000	SURCHARGED
240 minute winter	S87	164	0.917	1.203	16.3	3.9013	0.0000	SURCHARGED
240 minute winter	S88	168	0.916	1.224	32.7	3.9925	0.0000	SURCHARGED
240 minute winter	S89	164	0.916	1.246	49.0	4.0371	0.0000	SURCHARGED
240 minute winter	S90	168	0.913	1.265	64.9	4.0304	0.0000	SURCHARGED
240 minute winter	S92	168	0.910	1.289	122.7	3.2795	0.0000	SURCHARGED
240 minute winter	S81	156	0.910	1.212	16.3	3.9137	0.0000	SURCHARGED
240 minute winter	S82	156	0.910	1.234	32.7	4.0054	0.0000	SURCHARGED
240 minute winter	S83	160	0.909	1.254	49.0	4.0469	0.0000	SURCHARGED
240 minute winter	S84	164	0.904	1.271	64.9	4.0309	0.0000	SURCHARGED
240 minute winter	S86	164	0.901	1.294	123.8	3.2922	0.0000	SURCHARGED
240 minute winter	S76	152	0.894	1.211	16.3	3.8931	0.0000	SURCHARGED
240 minute winter	S77	152	0.893	1.232	32.7	3.9844	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S26	1.000	S16	14.8	0.094	0.210	9.2005	
240 minute winter	S25	2.000	S16	12.2	0.077	0.173	7.3393	
240 minute winter	S16	1.001	S145	24.9	0.163	0.349	15.0038	
240 minute winter	S145	1.002	S75	30.7	0.266	0.435	15.0038	
240 minute winter	S4	3.000	S5	16.0	0.112	0.227	13.1095	
240 minute winter	S5	3.001	S11	25.9	0.163	0.362	13.1095	
240 minute winter	S9	4.000	S10	9.8	0.171	0.139	8.0648	
240 minute winter	S10	4.001	S11	8.0	0.155	0.105	1.3780	
240 minute winter	S11	3.002	S12	-23.5	-0.158	-0.333	2.8740	
240 minute winter	S12	3.003	S15	46.8	0.295	0.680	3.6838	
240 minute winter	S1	5.000	S3	-21.1	-0.133	-0.296	13.5151	
240 minute winter	S3	5.001	S2	17.9	0.222	0.253	9.1848	
240 minute winter	S2	5.002	S15	25.5	0.169	0.374	3.4165	
240 minute winter	S14	6.000	S15	-58.3	-0.368	-0.828	11.8707	
240 minute winter	S15	3.004	S75	88.6	0.560	1.238	4.9661	
240 minute winter	S75	1.003	S92	111.7	0.705	1.570	5.3380	
240 minute winter	S87	7.000	S88	15.9	0.159	0.222	6.8747	
240 minute winter	S88	7.001	S89	32.2	0.203	0.452	6.8747	
240 minute winter	S89	7.002	S90	48.6	0.307	0.681	6.8747	
240 minute winter	S90	7.003	S92	64.4	0.407	0.914	8.6413	
240 minute winter	S92	1.005	S86	122.4	0.772	1.722	4.4095	
240 minute winter	S81	8.000	S82	15.9	0.158	0.222	6.8747	
240 minute winter	S82	8.001	S83	32.2	0.203	0.462	6.8747	
240 minute winter	S83	8.002	S84	48.6	0.307	0.681	6.8747	
240 minute winter	S84	8.003	S86	64.4	0.407	0.907	8.1975	
240 minute winter	S86	1.006	S30	123.8	0.781	1.744	4.4165	
240 minute winter	S76	9.000	S77	15.9	0.159	0.222	6.8747	
240 minute winter	S77	9.001	S78	32.2	0.203	0.452	6.8747	

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Results for 100 year +40% CC 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	S78	152	0.891	1.252	49.0	4.0244	0.0000	SURCHARGED
240 minute winter	S79	156	0.886	1.268	64.9	4.0056	0.0000	SURCHARGED
240 minute winter	S30	160	0.879	1.286	133.2	3.2727	0.0000	SURCHARGED
240 minute winter	S31	156	0.834	1.170	17.6	3.8738	0.0000	SURCHARGED
240 minute winter	S32	156	0.832	1.211	32.7	3.7411	0.0000	SURCHARGED
240 minute winter	S33	156	0.832	1.255	136.0	3.1934	0.0000	SURCHARGED
240 minute winter	S34	156	0.761	1.200	141.2	2.1204	0.0000	SURCHARGED
240 minute winter	S35	156	0.645	1.111	144.7	1.9627	0.0000	SURCHARGED
240 minute winter	S36	160	0.666	1.108	19.5	1.9585	0.0000	SURCHARGED
240 minute winter	S37	156	0.605	1.076	170.3	5.2875	0.0000	SURCHARGED
240 minute winter	S38	160	0.351	0.867	162.3	1.5312	0.0000	SURCHARGED
240 minute winter	S39	160	0.092	0.654	161.6	1.1548	0.0000	SURCHARGED
240 minute winter	S56	160	0.045	0.604	1.3	1.0680	0.0000	SURCHARGED
240 minute winter	S57	160	0.046	0.611	161.5	1.5545	0.0000	SURCHARGED
240 minute winter	S125	160	-0.052	0.503	4.2	0.8895	0.0000	SURCHARGED
240 minute winter	S127	160	-0.052	0.527	161.5	1.3416	0.0000	SURCHARGED
240 minute winter	S119	344	-0.122	0.447	2.7	0.7896	0.0000	OK
240 minute winter	S60	344	-0.122	0.471	161.6	1.1980	0.0000	SURCHARGED
240 minute winter	Pond Inlet 1	456	-0.136	0.474	161.6	0.8382	0.0000	OK
240 minute winter	Pond Outlet	1676	-0.142	0.468	80.9	0.5294	0.0000	SURCHARGED
240 minute winter	S13	1676	-0.142	0.496	0.4	1.7188	0.0000	SURCHARGED
240 minute winter	Final Outfall	4	-0.740	0.000	0.0	0.0000	0.0000	OK
240 minute winter	PP-S26	172	0.925	0.425	15.4	43.6192	0.0000	SURCHARGED
240 minute winter	PP-S25	172	0.925	0.425	13.9	37.7502	0.0000	SURCHARGED
240 minute winter	PP-S16	172	0.925	0.425	23.4	64.7980	0.0000	SURCHARGED
240 minute winter	PP-S145	172	0.922	0.422	23.4	67.3844	0.0000	SURCHARGED
240 minute winter	PP-S4	172	0.916	0.416	18.1	58.5167	0.0000	SURCHARGED
240 minute winter	PP-S1	176	0.918	0.418	45.1	144.9181	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S78	9.002	S79	48.6	0.307	0.697	6.8745	
240 minute winter	S79	9.003	S30	64.5	0.407	0.896	7.6907	
240 minute winter	S30	1.007	S33	125.1	0.789	1.757	5.0209	
240 minute winter	S31	10.000	S32	17.2	0.183	0.243	13.6740	
240 minute winter	S32	10.001	S33	32.3	0.216	0.451	13.6740	
240 minute winter	S33	1.008	S34	136.5	0.862	1.936	5.1108	
240 minute winter	S34	1.009	S35	141.2	0.891	1.988	8.5103	
240 minute winter	S35	1.010	S37	143.2	0.904	2.155	1.7947	
240 minute winter	S36	11.000	S37	17.7	0.112	0.250	9.1184	
240 minute winter	S37	1.011	S38	162.3	1.024	2.297	14.3287	
240 minute winter	S38	1.012	S39	161.6	1.020	2.261	14.3287	
240 minute winter	S39	1.013	S57	161.5	1.020	2.549	1.1814	
240 minute winter	S56	12.011	S57	-1.3	-0.196	-0.019	2.0645	
240 minute winter	S57	1.014	S127	161.5	1.020	2.284	4.4483	
240 minute winter	S125	21.003	S127	-4.2	-0.168	-0.060	7.8151	
240 minute winter	S127	1.015	S60	161.6	1.020	2.268	4.3871	
240 minute winter	S119	22.003	S60	-2.7	-0.190	-0.038	7.8104	
240 minute winter	S60	1.016	Pond Inlet 1	161.6	1.097	2.134	4.7270	
240 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	80.9	0.032	0.002	2539.4143	
240 minute winter	Pond Outlet	1.018	S13	0.4	0.229	0.005	0.4779	
240 minute winter	S13	Pump	Final Outfall	0.0				0.0
240 minute winter	PP-S26	1.000_1	S26	-11.0	0.565	-0.286	0.3977	
240 minute winter	PP-S25	2.000_1	S25	13.9	0.694	0.241	0.1989	
240 minute winter	PP-S16	3.000_1	S16	20.2	0.892	0.299	0.1989	
240 minute winter	PP-S145	4.000_2	S145	22.8	1.097	0.270	0.1989	
240 minute winter	PP-S4	1.000_2	S4	19.1	0.877	0.334	0.1989	
240 minute winter	PP-S1	4.000_1	S1	-27.1	1.163	-0.409	0.1989	

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Results for 100 year +40% CC 240 minute winter. 1680 minute analysis at 4 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
240 minute winter	PP-S5	172	0.916	0.416	23.0	72.8115	0.0000	SURCHARGED
240 minute winter	PP-S12	172	0.914	0.414	15.3	43.9272	0.0000	SURCHARGED
240 minute winter	PP-S14	192	0.904	0.404	58.3	233.7787	0.0000	SURCHARGED
240 minute winter	PP-S2	172	0.915	0.415	16.2	45.3795	0.0000	SURCHARGED
240 minute winter	PP-S15	172	0.914	0.414	11.5	23.8226	0.0000	SURCHARGED
240 minute winter	PP-S75	172	0.913	0.413	12.6	26.0755	0.0000	SURCHARGED
240 minute winter	PP-S24	168	0.910	0.410	22.5	59.1883	0.0000	SURCHARGED
240 minute winter	PP-S30	160	0.878	0.378	11.1	21.9786	0.0000	SURCHARGED
240 minute winter	PP-S33	156	0.830	0.330	8.8	19.5645	0.0000	SURCHARGED
240 minute winter	PP-S34	160	0.760	0.260	17.9	33.2209	0.0000	SURCHARGED
240 minute winter	PP-S35	160	0.643	0.143	3.1	3.7689	0.0000	OK
240 minute winter	PP-S36	152	0.600	0.100	15.8	8.5268	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	PP-S5	2.000_2	S5	23.2	1.035	0.313	0.1989	
240 minute winter	PP-S12	8.000_1	S12	20.9	1.031	0.230	0.1989	
240 minute winter	PP-S14	11.000_1	S14	-58.1	-1.514	-0.702	0.1989	
240 minute winter	PP-S2	10.000_1	S2	-12.0	1.046	-0.132	0.1989	
240 minute winter	PP-S15	12.000_1	S15	12.3	0.963	0.130	0.1989	
240 minute winter	PP-S75	13.000_1	S75	16.6	0.984	0.168	0.1989	
240 minute winter	PP-S24	14.000_1	S92	-14.0	1.314	-0.137	0.1989	
240 minute winter	PP-S30	18.000_1	S30	11.9	1.052	0.107	0.1989	
240 minute winter	PP-S33	20.000_1	S33	15.3	1.130	0.134	0.1989	
240 minute winter	PP-S34	21.000_1	S34	14.8	1.394	0.125	0.1989	
240 minute winter	PP-S35	22.000_2	S35	5.4	0.824	0.044	0.1661	
240 minute winter	PP-S36	23.000_2	S36	19.5	1.351	0.164	0.1419	

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Results for 100 year +40% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S26	224	0.832	1.070	10.7	1.8903	0.0000	SURCHARGED
360 minute summer	S25	224	0.832	1.076	9.7	2.7378	0.0000	SURCHARGED
360 minute summer	S16	224	0.832	1.099	36.2	4.8717	0.0000	SURCHARGED
360 minute summer	S145	224	0.830	1.145	42.1	4.9285	0.0000	SURCHARGED
360 minute summer	S4	224	0.823	1.066	11.1	1.8835	0.0000	SURCHARGED
360 minute summer	S5	224	0.823	1.107	32.8	1.9556	0.0000	SURCHARGED
360 minute summer	S9	224	0.822	1.118	9.1	2.5760	0.0000	SURCHARGED
360 minute summer	S10	224	0.822	1.143	10.1	2.0198	0.0000	SURCHARGED
360 minute summer	S11	224	0.822	1.148	22.9	2.0286	0.0000	SURCHARGED
360 minute summer	S12	224	0.822	1.157	26.0	2.0441	0.0000	SURCHARGED
360 minute summer	S1	224	0.825	1.089	26.4	2.5636	0.0000	SURCHARGED
360 minute summer	S3	224	0.824	1.131	21.1	3.6157	0.0000	SURCHARGED
360 minute summer	S2	224	0.822	1.158	33.6	2.0467	0.0000	SURCHARGED
360 minute summer	S14	240	0.816	1.125	52.4	1.9883	0.0000	SURCHARGED
360 minute summer	S15	224	0.821	1.167	92.3	5.2548	0.0000	SURCHARGED
360 minute summer	S75	224	0.821	1.183	110.9	3.0102	0.0000	SURCHARGED
360 minute summer	S87	216	0.823	1.109	16.5	3.5976	0.0000	SURCHARGED
360 minute summer	S88	216	0.823	1.131	32.8	3.6877	0.0000	SURCHARGED
360 minute summer	S89	224	0.822	1.152	49.1	3.7328	0.0000	SURCHARGED
360 minute summer	S90	224	0.820	1.172	65.0	3.7336	0.0000	SURCHARGED
360 minute summer	S92	224	0.817	1.196	109.9	3.0435	0.0000	SURCHARGED
360 minute summer	S81	208	0.816	1.118	16.5	3.6104	0.0000	SURCHARGED
360 minute summer	S82	216	0.816	1.140	32.8	3.7013	0.0000	SURCHARGED
360 minute summer	S83	216	0.815	1.160	49.1	3.7436	0.0000	SURCHARGED
360 minute summer	S84	216	0.812	1.179	65.0	3.7405	0.0000	SURCHARGED
360 minute summer	S86	216	0.807	1.200	111.9	3.0538	0.0000	SURCHARGED
360 minute summer	S76	208	0.802	1.119	16.5	3.5965	0.0000	SURCHARGED
360 minute summer	S77	208	0.801	1.140	32.8	3.6869	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	S26	1.000	S16	-10.7	-0.067	-0.151	9.2005	
360 minute summer	S25	2.000	S16	13.7	0.086	0.193	7.3393	
360 minute summer	S16	1.001	S145	28.8	0.182	0.404	15.0038	
360 minute summer	S145	1.002	S75	39.4	0.249	0.558	15.0038	
360 minute summer	S4	3.000	S5	17.7	0.112	0.251	13.1095	
360 minute summer	S5	3.001	S11	-22.7	-0.143	-0.318	13.1095	
360 minute summer	S9	4.000	S10	10.1	0.145	0.144	8.0648	
360 minute summer	S10	4.001	S11	-8.3	0.098	-0.109	1.3780	
360 minute summer	S11	3.002	S12	22.9	0.144	0.324	2.8740	
360 minute summer	S12	3.003	S15	31.2	0.197	0.453	3.6838	
360 minute summer	S1	5.000	S3	-20.8	-0.132	-0.293	13.5151	
360 minute summer	S3	5.001	S2	24.1	0.184	0.340	9.1848	
360 minute summer	S2	5.002	S15	27.4	0.173	0.402	3.4165	
360 minute summer	S14	6.000	S15	-52.4	-0.331	-0.745	11.8707	
360 minute summer	S15	3.004	S75	76.2	0.481	1.064	4.9661	
360 minute summer	S75	1.003	S92	106.2	0.670	1.492	5.3380	
360 minute summer	S87	7.000	S88	15.9	0.143	0.223	6.8747	
360 minute summer	S88	7.001	S89	32.2	0.203	0.452	6.8747	
360 minute summer	S89	7.002	S90	48.5	0.306	0.681	6.8747	
360 minute summer	S90	7.003	S92	64.5	0.407	0.916	8.6413	
360 minute summer	S92	1.005	S86	111.3	0.702	1.566	4.4095	
360 minute summer	S81	8.000	S82	15.9	0.141	0.223	6.8747	
360 minute summer	S82	8.001	S83	32.2	0.203	0.462	6.8747	
360 minute summer	S83	8.002	S84	48.5	0.306	0.680	6.8747	
360 minute summer	S84	8.003	S86	64.5	0.407	0.908	8.1975	
360 minute summer	S86	1.006	S30	112.5	0.710	1.585	4.4165	
360 minute summer	S76	9.000	S77	15.9	0.143	0.223	6.8747	
360 minute summer	S77	9.001	S78	32.2	0.203	0.452	6.8747	

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Results for 100 year +40% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S78	208	0.800	1.161	49.1	3.7302	0.0000	SURCHARGED
360 minute summer	S79	208	0.795	1.177	65.0	3.7191	0.0000	SURCHARGED
360 minute summer	S30	208	0.788	1.195	122.1	3.0402	0.0000	SURCHARGED
360 minute summer	S31	208	0.749	1.085	17.8	3.5929	0.0000	SURCHARGED
360 minute summer	S32	208	0.748	1.127	32.9	3.4796	0.0000	SURCHARGED
360 minute summer	S33	208	0.746	1.169	132.5	2.9740	0.0000	SURCHARGED
360 minute summer	S34	208	0.682	1.121	136.9	1.9810	0.0000	SURCHARGED
360 minute summer	S35	208	0.578	1.044	137.8	1.8440	0.0000	SURCHARGED
360 minute summer	S36	200	0.539	0.981	7.2	1.7332	0.0000	SURCHARGED
360 minute summer	S37	208	0.541	1.012	155.8	4.9757	0.0000	SURCHARGED
360 minute summer	S38	200	0.302	0.818	156.0	1.4446	0.0000	SURCHARGED
360 minute summer	S39	200	0.063	0.625	156.0	1.1041	0.0000	SURCHARGED
360 minute summer	S56	208	0.021	0.580	1.5	1.0246	0.0000	SURCHARGED
360 minute summer	S57	208	0.021	0.586	156.0	1.4908	0.0000	SURCHARGED
360 minute summer	S125	208	-0.070	0.485	2.3	0.8570	0.0000	SURCHARGED
360 minute summer	S127	208	-0.070	0.509	156.0	1.2957	0.0000	SURCHARGED
360 minute summer	S119	392	-0.132	0.437	1.7	0.7726	0.0000	OK
360 minute summer	S60	392	-0.132	0.461	156.0	1.1738	0.0000	SURCHARGED
360 minute summer	Pond Inlet 1	504	-0.146	0.464	155.9	0.8195	0.0000	OK
360 minute summer	Pond Outlet	512	-0.152	0.458	78.2	0.5184	0.0000	SURCHARGED
360 minute summer	S13	512	-0.152	0.486	0.3	1.6847	0.0000	SURCHARGED
360 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute summer	PP-S26	224	0.832	0.332	15.3	33.3614	0.0000	SURCHARGED
360 minute summer	PP-S25	224	0.832	0.332	12.9	28.9374	0.0000	SURCHARGED
360 minute summer	PP-S16	224	0.832	0.332	23.9	48.8753	0.0000	SURCHARGED
360 minute summer	PP-S145	224	0.830	0.330	24.0	50.7719	0.0000	SURCHARGED
360 minute summer	PP-S4	224	0.823	0.323	17.7	43.9644	0.0000	SURCHARGED
360 minute summer	PP-S1	232	0.826	0.326	43.4	112.0589	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	S78	9.002	S79	48.5	0.306	0.697	6.8745	
360 minute summer	S79	9.003	S30	64.5	0.407	0.897	7.6907	
360 minute summer	S30	1.007	S33	122.0	0.770	1.713	5.0209	
360 minute summer	S31	10.000	S32	17.3	0.161	0.244	13.6740	
360 minute summer	S32	10.001	S33	32.4	0.204	0.452	13.6740	
360 minute summer	S33	1.008	S34	129.4	0.817	1.835	5.1108	
360 minute summer	S34	1.009	S35	137.0	0.865	1.929	8.5103	
360 minute summer	S35	1.010	S37	137.9	0.870	2.075	1.7947	
360 minute summer	S36	11.000	S37	6.5	0.041	0.092	9.1184	
360 minute summer	S37	1.011	S38	156.0	0.985	2.208	14.3287	
360 minute summer	S38	1.012	S39	156.0	0.985	2.184	14.3287	
360 minute summer	S39	1.013	S57	156.0	0.985	2.463	1.1814	
360 minute summer	S56	12.011	S57	-1.5	-0.156	-0.021	2.0645	
360 minute summer	S57	1.014	S127	156.0	0.985	2.206	4.4483	
360 minute summer	S125	21.003	S127	-2.3	-0.111	-0.033	7.8151	
360 minute summer	S127	1.015	S60	156.0	0.985	2.190	4.3871	
360 minute summer	S119	22.003	S60	-1.7	-0.165	-0.025	7.7846	
360 minute summer	S60	1.016	Pond Inlet 1	155.9	1.079	2.059	4.7193	
360 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	78.2	0.025	0.002	2482.2729	
360 minute summer	Pond Outlet	1.018	S13	0.3	0.193	0.004	0.4779	
360 minute summer	S13	Pump	Final Outfall	0.0				0.0
360 minute summer	PP-S26	1.000_1	S26	-10.4	0.575	-0.271	0.3977	
360 minute summer	PP-S25	2.000_1	S25	-9.4	0.686	-0.164	0.1989	
360 minute summer	PP-S16	3.000_1	S16	-16.4	0.890	-0.244	0.1989	
360 minute summer	PP-S145	4.000_2	S145	27.1	1.098	0.321	0.1989	
360 minute summer	PP-S4	1.000_2	S4	-10.9	0.817	-0.191	0.1989	
360 minute summer	PP-S1	4.000_1	S1	-26.2	1.199	-0.395	0.1989	

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Results for 100 year +40% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 99.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	PP-S5	224	0.823	0.323	21.5	54.3859	0.0000	SURCHARGED
360 minute summer	PP-S12	224	0.822	0.322	13.0	33.6552	0.0000	SURCHARGED
360 minute summer	PP-S14	248	0.815	0.315	52.6	177.1601	0.0000	SURCHARGED
360 minute summer	PP-S2	224	0.822	0.322	14.2	34.9641	0.0000	SURCHARGED
360 minute summer	PP-S15	224	0.822	0.322	7.9	18.3079	0.0000	SURCHARGED
360 minute summer	PP-S75	224	0.821	0.321	9.3	20.0551	0.0000	SURCHARGED
360 minute summer	PP-S24	224	0.818	0.318	24.0	44.7148	0.0000	SURCHARGED
360 minute summer	PP-S30	208	0.787	0.287	9.5	16.5197	0.0000	SURCHARGED
360 minute summer	PP-S33	208	0.745	0.245	9.5	14.2861	0.0000	SURCHARGED
360 minute summer	PP-S34	208	0.681	0.181	18.0	22.0130	0.0000	OK
360 minute summer	PP-S35	200	0.575	0.075	2.2	1.9041	0.0000	OK
360 minute summer	PP-S36	208	0.538	0.038	6.7	1.4806	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	PP-S5	2.000_2	S5	15.0	1.035	0.203	0.1989	
360 minute summer	PP-S12	8.000_1	S12	12.6	0.889	0.138	0.1989	
360 minute summer	PP-S14	11.000_1	S14	-52.3	-1.487	-0.631	0.1989	
360 minute summer	PP-S2	10.000_1	S2	17.5	0.973	0.192	0.1989	
360 minute summer	PP-S15	12.000_1	S15	22.3	0.967	0.236	0.1989	
360 minute summer	PP-S75	13.000_1	S75	-9.1	0.915	-0.092	0.1989	
360 minute summer	PP-S24	14.000_1	S92	-14.0	1.290	-0.136	0.1989	
360 minute summer	PP-S30	18.000_1	S30	-5.9	0.977	-0.053	0.1989	
360 minute summer	PP-S33	20.000_1	S33	-5.0	1.128	-0.044	0.1989	
360 minute summer	PP-S34	21.000_1	S34	10.0	1.395	0.084	0.1852	
360 minute summer	PP-S35	22.000_2	S35	1.8	0.818	0.014	0.1284	
360 minute summer	PP-S36	23.000_2	S36	7.2	1.309	0.060	0.1104	

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Results for 100 year +40% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S26	248	0.855	1.093	6.3	1.9312	0.0000	SURCHARGED
360 minute winter	S25	248	0.855	1.099	8.2	2.7968	0.0000	SURCHARGED
360 minute winter	S16	248	0.855	1.122	23.1	4.9744	0.0000	SURCHARGED
360 minute winter	S145	248	0.853	1.168	32.0	5.0292	0.0000	SURCHARGED
360 minute winter	S4	248	0.848	1.091	13.4	1.9282	0.0000	SURCHARGED
360 minute winter	S5	248	0.848	1.132	22.5	2.0005	0.0000	SURCHARGED
360 minute winter	S9	248	0.848	1.144	4.4	2.6352	0.0000	SURCHARGED
360 minute winter	S10	248	0.848	1.169	6.2	2.0652	0.0000	SURCHARGED
360 minute winter	S11	248	0.848	1.174	19.5	2.0740	0.0000	SURCHARGED
360 minute winter	S12	248	0.848	1.183	26.5	2.0896	0.0000	SURCHARGED
360 minute winter	S1	248	0.850	1.114	23.4	2.6225	0.0000	SURCHARGED
360 minute winter	S3	248	0.849	1.156	19.3	3.6968	0.0000	SURCHARGED
360 minute winter	S2	248	0.848	1.184	33.1	2.0920	0.0000	SURCHARGED
360 minute winter	S14	256	0.848	1.157	45.6	2.0448	0.0000	SURCHARGED
360 minute winter	S15	248	0.847	1.193	82.1	5.3711	0.0000	SURCHARGED
360 minute winter	S75	248	0.846	1.208	110.8	3.0739	0.0000	SURCHARGED
360 minute winter	S87	240	0.845	1.131	12.0	3.6693	0.0000	SURCHARGED
360 minute winter	S88	240	0.845	1.153	24.1	3.7599	0.0000	SURCHARGED
360 minute winter	S89	240	0.844	1.174	36.0	3.8058	0.0000	SURCHARGED
360 minute winter	S90	240	0.843	1.195	47.8	3.8048	0.0000	SURCHARGED
360 minute winter	S92	240	0.839	1.218	117.4	3.0998	0.0000	SURCHARGED
360 minute winter	S81	232	0.833	1.135	12.0	3.6647	0.0000	SURCHARGED
360 minute winter	S82	232	0.833	1.157	24.1	3.7559	0.0000	SURCHARGED
360 minute winter	S83	232	0.832	1.177	36.0	3.7985	0.0000	SURCHARGED
360 minute winter	S84	232	0.829	1.196	47.8	3.7952	0.0000	SURCHARGED
360 minute winter	S86	232	0.825	1.218	117.3	3.0991	0.0000	SURCHARGED
360 minute winter	S76	224	0.808	1.125	12.0	3.6153	0.0000	SURCHARGED
360 minute winter	S77	224	0.807	1.146	24.1	3.7058	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 winter	S26	1.000	S16	13.2	0.083	0.187	9.2005	
360 minute winter	S25	2.000	S16	-5.7	-0.036	-0.081	7.3393	
360 minute winter	S16	1.001	S145	21.9	0.162	0.306	15.0038	
360 minute winter	S145	1.002	S75	28.5	0.232	0.405	15.0038	
360 minute winter	S4	3.000	S5	10.8	0.107	0.153	13.1095	
360 minute winter	S5	3.001	S11	18.6	0.118	0.261	13.1095	
360 minute winter	S9	4.000	S10	6.2	0.147	0.089	8.0648	
360 minute winter	S10	4.001	S11	5.5	0.157	0.073	1.3780	
360 minute winter	S11	3.002	S12	20.9	0.132	0.296	2.8740	
360 minute winter	S12	3.003	S15	27.2	0.171	0.394	3.6838	
360 minute winter	S1	5.000	S3	19.3	0.122	0.271	13.5151	
360 minute winter	S3	5.001	S2	18.3	0.200	0.258	9.1848	
360 minute winter	S2	5.002	S15	38.8	0.245	0.570	3.4165	
360 minute winter	S14	6.000	S15	-45.6	-0.288	-0.648	11.8707	
360 minute winter	S15	3.004	S75	78.8	0.497	1.101	4.9661	
360 minute winter	S75	1.003	S92	110.5	0.698	1.553	5.3380	
360 minute winter	S87	7.000	S88	11.8	0.141	0.165	6.8747	
360 minute winter	S88	7.001	S89	23.7	0.181	0.333	6.8747	
360 minute winter	S89	7.002	S90	35.8	0.226	0.502	6.8747	
360 minute winter	S90	7.003	S92	47.5	0.300	0.674	8.6413	
360 minute winter	S92	1.005	S86	117.3	0.740	1.651	4.4095	
360 minute winter	S81	8.000	S82	11.8	0.140	0.165	6.8747	
360 minute winter	S82	8.001	S83	23.7	0.179	0.341	6.8747	
360 minute winter	S83	8.002	S84	35.8	0.226	0.502	6.8747	
360 minute winter	S84	8.003	S86	47.6	0.300	0.670	8.1975	
360 minute winter	S86	1.006	S30	117.0	0.739	1.649	4.4165	
360 minute winter	S76	9.000	S77	11.8	0.141	0.165	6.8747	
360 minute winter	S77	9.001	S78	23.8	0.180	0.333	6.8747	

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Results for 100 year +40% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S78	232	0.806	1.167	36.1	3.7513	0.0000	SURCHARGED
360 minute winter	S79	232	0.804	1.186	47.8	3.7461	0.0000	SURCHARGED
360 minute winter	S30	232	0.799	1.206	120.7	3.0701	0.0000	SURCHARGED
360 minute winter	S31	224	0.749	1.085	13.0	3.5941	0.0000	SURCHARGED
360 minute winter	S32	232	0.749	1.128	24.2	3.4820	0.0000	SURCHARGED
360 minute winter	S33	232	0.747	1.170	130.1	2.9773	0.0000	SURCHARGED
360 minute winter	S34	232	0.677	1.116	136.8	1.9713	0.0000	SURCHARGED
360 minute winter	S35	224	0.565	1.031	138.2	1.8216	0.0000	SURCHARGED
360 minute winter	S36	224	0.527	0.969	5.2	1.7118	0.0000	SURCHARGED
360 minute winter	S37	224	0.527	0.998	154.0	4.9045	0.0000	SURCHARGED
360 minute winter	S38	224	0.294	0.810	154.0	1.4318	0.0000	SURCHARGED
360 minute winter	S39	232	0.062	0.624	154.0	1.1030	0.0000	SURCHARGED
360 minute winter	S56	232	0.021	0.580	1.1	1.0254	0.0000	SURCHARGED
360 minute winter	S57	232	0.021	0.586	154.0	1.4921	0.0000	SURCHARGED
360 minute winter	S125	408	-0.045	0.510	2.0	0.9010	0.0000	SURCHARGED
360 minute winter	S127	416	-0.045	0.534	153.9	1.3582	0.0000	SURCHARGED
360 minute winter	S119	416	-0.085	0.484	1.6	0.8557	0.0000	SURCHARGED
360 minute winter	S60	416	-0.085	0.508	153.9	1.2938	0.0000	SURCHARGED
360 minute winter	Pond Inlet 1	512	-0.097	0.513	153.8	0.9057	0.0000	OK
360 minute winter	Pond Outlet	520	-0.104	0.506	77.0	0.5727	0.0000	SURCHARGED
360 minute winter	S13	704	-0.104	0.534	0.4	1.8512	0.0000	SURCHARGED
360 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
360 minute winter	PP-S26	248	0.855	0.355	9.5	35.9242	0.0000	SURCHARGED
360 minute winter	PP-S25	248	0.855	0.355	8.2	31.1377	0.0000	SURCHARGED
360 minute winter	PP-S16	248	0.855	0.355	14.0	52.8592	0.0000	SURCHARGED
360 minute winter	PP-S145	248	0.853	0.353	13.9	54.9683	0.0000	SURCHARGED
360 minute winter	PP-S4	248	0.848	0.348	11.6	47.9447	0.0000	SURCHARGED
360 minute winter	PP-S1	256	0.850	0.350	29.3	120.8279	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 winter	S78	9.002	S79	35.8	0.226	0.514	6.8745	
360 minute winter	S79	9.003	S30	47.6	0.301	0.662	7.6907	
360 minute winter	S30	1.007	S33	120.8	0.762	1.697	5.0209	
360 minute winter	S31	10.000	S32	12.8	0.161	0.180	13.6740	
360 minute winter	S32	10.001	S33	24.0	0.191	0.335	13.6740	
360 minute winter	S33	1.008	S34	130.1	0.821	1.845	5.1108	
360 minute winter	S34	1.009	S35	136.9	0.864	1.927	8.5103	
360 minute winter	S35	1.010	S37	138.2	0.873	2.080	1.7947	
360 minute winter	S36	11.000	S37	5.1	-0.040	0.071	9.1184	
360 minute winter	S37	1.011	S38	154.0	0.972	2.180	14.3287	
360 minute winter	S38	1.012	S39	154.0	0.972	2.155	14.3287	
360 minute winter	S39	1.013	S57	154.0	0.972	2.430	1.1814	
360 minute winter	S56	12.011	S57	-1.1	-0.074	-0.016	2.0645	
360 minute winter	S57	1.014	S127	153.9	0.972	2.176	4.4483	
360 minute winter	S125	21.003	S127	-2.0	-0.184	-0.028	7.8151	
360 minute winter	S127	1.015	S60	153.9	0.972	2.161	4.3871	
360 minute winter	S119	22.003	S60	-1.6	-0.065	-0.023	7.8151	
360 minute winter	S60	1.016	Pond Inlet 1	153.8	1.059	2.031	4.7280	
360 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	77.0	0.027	0.002	2763.9214	
360 minute winter	Pond Outlet	1.018	S13	0.4	0.201	0.006	0.4779	
360 minute winter	S13	Pump	Final Outfall	0.0				0.0
360 minute winter	PP-S26	1.000_1	S26	-6.1	0.593	-0.158	0.3977	
360 minute winter	PP-S25	2.000_1	S25	8.2	0.657	0.142	0.1989	
360 minute winter	PP-S16	3.000_1	S16	15.0	0.873	0.223	0.1989	
360 minute winter	PP-S145	4.000_2	S145	10.7	1.070	0.127	0.1989	
360 minute winter	PP-S4	1.000_2	S4	13.4	0.903	0.235	0.1989	
360 minute winter	PP-S1	4.000_1	S1	23.4	1.102	0.352	0.1989	

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Results for 100 year +40% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP-S5	248	0.848	0.348	14.7	59.4412	0.0000	SURCHARGED
360 minute winter	PP-S12	248	0.848	0.348	9.5	36.5212	0.0000	SURCHARGED
360 minute winter	PP-S14	256	0.848	0.348	45.7	197.8452	0.0000	SURCHARGED
360 minute winter	PP-S2	248	0.848	0.348	10.3	37.8568	0.0000	SURCHARGED
360 minute winter	PP-S15	248	0.847	0.347	5.7	19.8535	0.0000	SURCHARGED
360 minute winter	PP-S75	248	0.846	0.346	6.1	21.6916	0.0000	SURCHARGED
360 minute winter	PP-S24	240	0.839	0.339	12.5	48.1355	0.0000	SURCHARGED
360 minute winter	PP-S30	232	0.799	0.299	4.9	17.2387	0.0000	SURCHARGED
360 minute winter	PP-S33	232	0.747	0.247	5.2	14.4016	0.0000	SURCHARGED
360 minute winter	PP-S34	232	0.677	0.177	9.5	21.3851	0.0000	OK
360 minute winter	PP-S35	224	0.565	0.065	1.4	1.6225	0.0000	OK
360 minute winter	PP-S36	192	0.532	0.032	5.2	1.0674	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	PP-S5	2.000_2	S5	11.7	1.012	0.158	0.1989	
360 minute winter	PP-S12	8.000_1	S12	7.2	0.840	0.079	0.1989	
360 minute winter	PP-S14	11.000_1	S14	-45.5	1.411	-0.550	0.1989	
360 minute winter	PP-S2	10.000_1	S2	14.8	0.948	0.162	0.1989	
360 minute winter	PP-S15	12.000_1	S15	-5.7	0.896	-0.061	0.1989	
360 minute winter	PP-S75	13.000_1	S75	8.0	0.924	0.081	0.1989	
360 minute winter	PP-S24	14.000_1	S92	20.8	1.227	0.203	0.1989	
360 minute winter	PP-S30	18.000_1	S30	12.4	0.976	0.111	0.1989	
360 minute winter	PP-S33	20.000_1	S33	3.5	1.049	0.031	0.1989	
360 minute winter	PP-S34	21.000_1	S34	7.7	1.358	0.065	0.1832	
360 minute winter	PP-S35	22.000_2	S35	1.3	0.818	0.010	0.1231	
360 minute winter	PP-S36	23.000_2	S36	5.2	1.272	0.044	0.1080	

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Results for 100 year +40% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S26	296	0.787	1.025	12.1	1.8104	0.0000	SURCHARGED
480 minute summer	S25	296	0.787	1.031	14.0	2.6226	0.0000	SURCHARGED
480 minute summer	S16	296	0.786	1.053	45.8	4.6710	0.0000	SURCHARGED
480 minute summer	S145	296	0.784	1.099	34.9	4.7340	0.0000	SURCHARGED
480 minute summer	S4	296	0.779	1.022	15.2	1.8066	0.0000	SURCHARGED
480 minute summer	S5	296	0.779	1.063	26.1	1.8789	0.0000	SURCHARGED
480 minute summer	S9	296	0.779	1.075	10.5	2.4763	0.0000	SURCHARGED
480 minute summer	S10	296	0.779	1.100	11.3	1.9433	0.0000	SURCHARGED
480 minute summer	S11	296	0.779	1.105	20.9	1.9522	0.0000	SURCHARGED
480 minute summer	S12	296	0.779	1.114	20.2	1.9677	0.0000	SURCHARGED
480 minute summer	S1	296	0.781	1.045	23.3	2.4604	0.0000	SURCHARGED
480 minute summer	S3	296	0.780	1.087	16.7	3.4763	0.0000	SURCHARGED
480 minute summer	S2	296	0.779	1.115	36.3	1.9701	0.0000	SURCHARGED
480 minute summer	S14	304	0.778	1.087	44.7	1.9205	0.0000	SURCHARGED
480 minute summer	S15	296	0.778	1.124	69.2	5.0603	0.0000	SURCHARGED
480 minute summer	S75	296	0.777	1.139	97.1	2.8988	0.0000	SURCHARGED
480 minute summer	S87	288	0.778	1.064	12.8	3.4513	0.0000	SURCHARGED
480 minute summer	S88	288	0.778	1.086	25.6	3.5407	0.0000	SURCHARGED
480 minute summer	S89	288	0.777	1.107	38.5	3.5881	0.0000	SURCHARGED
480 minute summer	S90	288	0.775	1.127	51.0	3.5910	0.0000	SURCHARGED
480 minute summer	S92	288	0.772	1.151	101.7	2.9292	0.0000	SURCHARGED
480 minute summer	S81	280	0.768	1.070	12.8	3.4542	0.0000	SURCHARGED
480 minute summer	S82	280	0.768	1.092	25.6	3.5443	0.0000	SURCHARGED
480 minute summer	S83	280	0.767	1.112	38.5	3.5884	0.0000	SURCHARGED
480 minute summer	S84	280	0.764	1.131	51.0	3.5889	0.0000	SURCHARGED
480 minute summer	S86	280	0.760	1.153	108.3	2.9340	0.0000	SURCHARGED
480 minute summer	S76	272	0.746	1.063	12.8	3.4172	0.0000	SURCHARGED
480 minute summer	S77	272	0.746	1.085	25.6	3.5066	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S26	1.000	S16	13.2	0.083	0.187	9.2005	
480 minute summer	S25	2.000	S16	14.3	0.090	0.203	7.3393	
480 minute summer	S16	1.001	S145	19.6	0.161	0.274	15.0038	
480 minute summer	S145	1.002	S75	37.2	0.235	0.527	15.0038	
480 minute summer	S4	3.000	S5	11.5	0.096	0.163	13.1095	
480 minute summer	S5	3.001	S11	20.9	0.132	0.293	13.1095	
480 minute summer	S9	4.000	S10	-10.0	0.132	-0.142	8.0648	
480 minute summer	S10	4.001	S11	-5.8	0.075	-0.076	1.3780	
480 minute summer	S11	3.002	S12	16.1	0.101	0.228	2.8740	
480 minute summer	S12	3.003	S15	23.0	0.145	0.334	3.6838	
480 minute summer	S1	5.000	S3	15.4	0.111	0.216	13.5151	
480 minute summer	S3	5.001	S2	18.6	0.174	0.263	9.1848	
480 minute summer	S2	5.002	S15	40.6	0.256	0.596	3.4165	
480 minute summer	S14	6.000	S15	-44.7	-0.282	-0.635	11.8707	
480 minute summer	S15	3.004	S75	72.5	0.458	1.013	4.9661	
480 minute summer	S75	1.003	S92	96.8	0.611	1.360	5.3380	
480 minute summer	S87	7.000	S88	12.5	0.140	0.176	6.8747	
480 minute summer	S88	7.001	S89	25.4	0.181	0.356	6.8747	
480 minute summer	S89	7.002	S90	38.2	0.241	0.535	6.8747	
480 minute summer	S90	7.003	S92	50.7	0.320	0.720	8.6413	
480 minute summer	S92	1.005	S86	101.0	0.638	1.422	4.4095	
480 minute summer	S81	8.000	S82	12.5	0.139	0.176	6.8747	
480 minute summer	S82	8.001	S83	25.4	0.178	0.364	6.8747	
480 minute summer	S83	8.002	S84	38.2	0.241	0.535	6.8747	
480 minute summer	S84	8.003	S86	50.8	0.320	0.715	8.1975	
480 minute summer	S86	1.006	S30	108.7	0.686	1.531	4.4165	
480 minute summer	S76	9.000	S77	12.5	0.140	0.176	6.8747	
480 minute summer	S77	9.001	S78	25.4	0.180	0.356	6.8747	

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Results for 100 year +40% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S78	272	0.744	1.105	38.5	3.5526	0.0000	SURCHARGED
480 minute summer	S79	280	0.742	1.124	51.0	3.5493	0.0000	SURCHARGED
480 minute summer	S30	280	0.737	1.144	120.3	2.9119	0.0000	SURCHARGED
480 minute summer	S31	272	0.693	1.029	13.8	3.4070	0.0000	SURCHARGED
480 minute summer	S32	272	0.692	1.071	25.7	3.3077	0.0000	SURCHARGED
480 minute summer	S33	272	0.690	1.113	127.8	2.8324	0.0000	SURCHARGED
480 minute summer	S34	272	0.626	1.065	133.6	1.8817	0.0000	SURCHARGED
480 minute summer	S35	264	0.522	0.988	134.1	1.7457	0.0000	SURCHARGED
480 minute summer	S36	264	0.488	0.930	5.4	1.6428	0.0000	SURCHARGED
480 minute summer	S37	264	0.488	0.959	150.7	4.7125	0.0000	SURCHARGED
480 minute summer	S38	264	0.265	0.781	150.6	1.3801	0.0000	SURCHARGED
480 minute summer	S39	272	0.043	0.605	150.6	1.0691	0.0000	SURCHARGED
480 minute summer	S56	272	0.004	0.563	0.8	0.9944	0.0000	SURCHARGED
480 minute summer	S57	272	0.004	0.569	150.6	1.4475	0.0000	SURCHARGED
480 minute summer	S125	448	-0.066	0.489	1.8	0.8645	0.0000	SURCHARGED
480 minute summer	S127	448	-0.065	0.514	150.6	1.3074	0.0000	SURCHARGED
480 minute summer	S119	448	-0.110	0.459	1.4	0.8106	0.0000	SURCHARGED
480 minute summer	S60	448	-0.110	0.483	150.6	1.2292	0.0000	SURCHARGED
480 minute summer	Pond Inlet 1	568	-0.120	0.490	150.5	0.8664	0.0000	OK
480 minute summer	Pond Outlet	1920	-0.126	0.484	75.4	0.5473	0.0000	SURCHARGED
480 minute summer	S13	1880	-0.126	0.512	0.2	1.7734	0.0000	SURCHARGED
480 minute summer	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute summer	PP-S26	296	0.787	0.287	11.9	28.3617	0.0000	SURCHARGED
480 minute summer	PP-S25	296	0.787	0.287	9.4	24.6432	0.0000	SURCHARGED
480 minute summer	PP-S16	296	0.787	0.287	17.5	41.1244	0.0000	SURCHARGED
480 minute summer	PP-S145	296	0.785	0.285	17.5	42.6741	0.0000	SURCHARGED
480 minute summer	PP-S4	296	0.780	0.280	13.9	37.1284	0.0000	SURCHARGED
480 minute summer	PP-S1	296	0.782	0.282	33.2	96.4829	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S78	9.002	S79	38.2	0.241	0.548	6.8745	
480 minute summer	S79	9.003	S30	50.8	0.320	0.706	7.6907	
480 minute summer	S30	1.007	S33	120.0	0.758	1.686	5.0209	
480 minute summer	S31	10.000	S32	13.6	0.155	0.192	13.6740	
480 minute summer	S32	10.001	S33	25.4	0.161	0.356	13.6740	
480 minute summer	S33	1.008	S34	128.0	0.808	1.814	5.1108	
480 minute summer	S34	1.009	S35	133.7	0.844	1.882	8.5103	
480 minute summer	S35	1.010	S37	134.2	0.847	2.020	1.7947	
480 minute summer	S36	11.000	S37	5.3	0.033	0.074	9.1184	
480 minute summer	S37	1.011	S38	150.6	0.951	2.132	14.3287	
480 minute summer	S38	1.012	S39	150.6	0.951	2.108	14.3287	
480 minute summer	S39	1.013	S57	150.6	0.951	2.377	1.1814	
480 minute summer	S56	12.011	S57	-0.8	-0.152	-0.012	2.0645	
480 minute summer	S57	1.014	S127	150.6	0.951	2.129	4.4483	
480 minute summer	S125	21.003	S127	-1.8	-0.172	-0.026	7.8151	
480 minute summer	S127	1.015	S60	150.6	0.950	2.114	4.3871	
480 minute summer	S119	22.003	S60	-1.4	-0.092	-0.020	7.8151	
480 minute summer	S60	1.016	Pond Inlet 1	150.5	1.051	1.987	4.7280	
480 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	75.4	0.022	0.002	2632.0537	
480 minute summer	Pond Outlet	1.018	S13	0.2	0.181	0.003	0.4779	
480 minute summer	S13	Pump	Final Outfall	0.0				0.0
480 minute summer	PP-S26	1.000_1	S26	12.1	0.513	0.316	0.3977	
480 minute summer	PP-S25	2.000_1	S25	14.0	0.657	0.244	0.1989	
480 minute summer	PP-S16	3.000_1	S16	19.7	0.872	0.292	0.1989	
480 minute summer	PP-S145	4.000_2	S145	26.4	1.070	0.313	0.1989	
480 minute summer	PP-S4	1.000_2	S4	15.2	0.749	0.267	0.1989	
480 minute summer	PP-S1	4.000_1	S1	22.8	1.047	0.343	0.1989	

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Results for 100 year +40% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP-S5	296	0.780	0.280	16.8	45.7527	0.0000	SURCHARGED
480 minute summer	PP-S12	296	0.779	0.279	10.5	28.8370	0.0000	SURCHARGED
480 minute summer	PP-S14	312	0.777	0.277	44.8	152.7349	0.0000	SURCHARGED
480 minute summer	PP-S2	296	0.779	0.279	10.5	30.0661	0.0000	SURCHARGED
480 minute summer	PP-S15	296	0.778	0.278	12.6	15.7198	0.0000	SURCHARGED
480 minute summer	PP-S75	296	0.777	0.277	7.5	17.1910	0.0000	SURCHARGED
480 minute summer	PP-S24	288	0.772	0.272	16.5	37.6102	0.0000	SURCHARGED
480 minute summer	PP-S30	280	0.737	0.237	6.0	13.5075	0.0000	SURCHARGED
480 minute summer	PP-S33	272	0.690	0.190	6.2	10.8484	0.0000	OK
480 minute summer	PP-S34	272	0.626	0.126	10.8	14.0850	0.0000	OK
480 minute summer	PP-S35	264	0.522	0.022	1.1	0.4484	0.0000	OK
480 minute summer	PP-S36	248	0.533	0.033	5.6	1.1134	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	PP-S5	2.000_2	S5	17.5	1.011	0.237	0.1989	
480 minute summer	PP-S12	8.000_1	S12	-8.7	0.899	-0.096	0.1989	
480 minute summer	PP-S14	11.000_1	S14	-44.6	-1.368	-0.538	0.1989	
480 minute summer	PP-S2	10.000_1	S2	22.4	0.958	0.246	0.1989	
480 minute summer	PP-S15	12.000_1	S15	-12.2	0.895	-0.130	0.1989	
480 minute summer	PP-S75	13.000_1	S75	-7.2	0.908	-0.073	0.1989	
480 minute summer	PP-S24	14.000_1	S92	-8.6	1.223	-0.084	0.1989	
480 minute summer	PP-S30	18.000_1	S30	7.2	0.974	0.064	0.1989	
480 minute summer	PP-S33	20.000_1	S33	4.0	1.096	0.035	0.1889	
480 minute summer	PP-S34	21.000_1	S34	9.9	1.357	0.084	0.1564	
480 minute summer	PP-S35	22.000_2	S35	1.1	0.797	0.009	0.1043	
480 minute summer	PP-S36	23.000_2	S36	5.4	1.267	0.046	0.1082	

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Results for 100 year +40% CC 480 minute winter. 1920 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
480 minute winter	S26	320	0.791	1.029	8.8	1.8187	0.0000	SURCHARGED
480 minute winter	S25	320	0.791	1.035	5.9	2.6347	0.0000	SURCHARGED
480 minute winter	S16	320	0.791	1.058	42.6	4.6921	0.0000	SURCHARGED
480 minute winter	S145	320	0.790	1.105	31.1	4.7568	0.0000	SURCHARGED
480 minute winter	S4	328	0.788	1.031	15.4	1.8213	0.0000	SURCHARGED
480 minute winter	S5	328	0.788	1.072	37.2	1.8936	0.0000	SURCHARGED
480 minute winter	S9	328	0.787	1.083	11.6	2.4959	0.0000	SURCHARGED
480 minute winter	S10	328	0.787	1.108	3.6	1.9583	0.0000	SURCHARGED
480 minute winter	S11	328	0.787	1.113	12.9	1.9672	0.0000	SURCHARGED
480 minute winter	S12	328	0.787	1.122	25.5	1.9828	0.0000	SURCHARGED
480 minute winter	S1	328	0.789	1.053	25.3	2.4793	0.0000	SURCHARGED
480 minute winter	S3	328	0.788	1.095	24.5	3.5026	0.0000	SURCHARGED
480 minute winter	S2	328	0.787	1.123	29.4	1.9851	0.0000	SURCHARGED
480 minute winter	S14	328	0.787	1.096	35.6	1.9372	0.0000	SURCHARGED
480 minute winter	S15	328	0.787	1.133	84.2	5.0990	0.0000	SURCHARGED
480 minute winter	S75	320	0.784	1.146	97.4	2.9164	0.0000	SURCHARGED
480 minute winter	S87	304	0.780	1.066	9.5	3.4575	0.0000	SURCHARGED
480 minute winter	S88	304	0.780	1.088	19.1	3.5469	0.0000	SURCHARGED
480 minute winter	S89	312	0.779	1.109	28.8	3.5944	0.0000	SURCHARGED
480 minute winter	S90	312	0.778	1.130	38.1	3.5982	0.0000	SURCHARGED
480 minute winter	S92	312	0.775	1.154	98.1	2.9366	0.0000	SURCHARGED
480 minute winter	S81	304	0.765	1.067	9.5	3.4452	0.0000	SURCHARGED
480 minute winter	S82	304	0.765	1.089	19.1	3.5354	0.0000	SURCHARGED
480 minute winter	S83	304	0.764	1.109	28.8	3.5802	0.0000	SURCHARGED
480 minute winter	S84	304	0.762	1.129	38.1	3.5827	0.0000	SURCHARGED
480 minute winter	S86	304	0.759	1.152	106.1	2.9321	0.0000	SURCHARGED
480 minute winter	S76	296	0.739	1.056	9.5	3.3936	0.0000	SURCHARGED
480 minute winter	S77	296	0.738	1.077	19.2	3.4831	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S26	1.000	S16	11.6	0.073	0.164	9.2005	
480 minute winter	S25	2.000	S16	15.6	0.098	0.221	7.3393	
480 minute winter	S16	1.001	S145	15.9	0.162	0.223	15.0038	
480 minute winter	S145	1.002	S75	28.9	0.208	0.410	15.0038	
480 minute winter	S4	3.000	S5	16.3	0.103	0.231	13.1095	
480 minute winter	S5	3.001	S11	12.2	0.105	0.171	13.1095	
480 minute winter	S9	4.000	S10	-11.5	0.134	-0.163	8.0648	
480 minute winter	S10	4.001	S11	6.7	0.138	0.087	1.3780	
480 minute winter	S11	3.002	S12	23.1	0.146	0.327	2.8740	
480 minute winter	S12	3.003	S15	29.8	0.188	0.433	3.6838	
480 minute winter	S1	5.000	S3	23.7	0.150	0.334	13.5151	
480 minute winter	S3	5.001	S2	18.4	0.177	0.259	9.1848	
480 minute winter	S2	5.002	S15	20.7	0.131	0.304	3.4165	
480 minute winter	S14	6.000	S15	-35.6	-0.225	-0.506	11.8707	
480 minute winter	S15	3.004	S75	68.3	0.431	0.954	4.9661	
480 minute winter	S75	1.003	S92	91.5	0.577	1.285	5.3380	
480 minute winter	S87	7.000	S88	9.3	0.131	0.131	6.8747	
480 minute winter	S88	7.001	S89	19.0	0.173	0.266	6.8747	
480 minute winter	S89	7.002	S90	28.6	0.204	0.401	6.8747	
480 minute winter	S90	7.003	S92	38.0	0.246	0.539	8.6413	
480 minute winter	S92	1.005	S86	98.2	0.620	1.382	4.4095	
480 minute winter	S81	8.000	S82	9.3	0.131	0.131	6.8747	
480 minute winter	S82	8.001	S83	19.0	0.169	0.273	6.8747	
480 minute winter	S83	8.002	S84	28.6	0.188	0.401	6.8747	
480 minute winter	S84	8.003	S86	38.0	0.244	0.535	8.1975	
480 minute winter	S86	1.006	S30	106.2	0.670	1.496	4.4165	
480 minute winter	S76	9.000	S77	9.4	0.131	0.131	6.8747	
480 minute winter	S77	9.001	S78	19.0	0.169	0.267	6.8747	

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Results for 100 year +40% CC 480 minute winter. 1920 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
480 minute winter	S78	296	0.738	1.099	28.8	3.5306	0.0000	SURCHARGED
480 minute winter	S79	296	0.735	1.117	38.2	3.5302	0.0000	SURCHARGED
480 minute winter	S30	296	0.732	1.139	117.5	2.8976	0.0000	SURCHARGED
480 minute winter	S31	296	0.682	1.018	10.3	3.3725	0.0000	SURCHARGED
480 minute winter	S32	296	0.682	1.061	19.2	3.2760	0.0000	SURCHARGED
480 minute winter	S33	296	0.680	1.103	127.4	2.8080	0.0000	SURCHARGED
480 minute winter	S34	296	0.613	1.052	132.5	1.8594	0.0000	SURCHARGED
480 minute winter	S35	288	0.506	0.972	133.0	1.7176	0.0000	SURCHARGED
480 minute winter	S36	288	0.470	0.912	4.2	1.6113	0.0000	SURCHARGED
480 minute winter	S37	288	0.470	0.941	147.9	4.6250	0.0000	SURCHARGED
480 minute winter	S38	296	0.256	0.772	147.8	1.3644	0.0000	SURCHARGED
480 minute winter	S39	456	0.051	0.613	147.8	1.0835	0.0000	SURCHARGED
480 minute winter	S56	464	0.030	0.589	1.0	1.0404	0.0000	SURCHARGED
480 minute winter	S57	464	0.030	0.595	147.8	1.5130	0.0000	SURCHARGED
480 minute winter	S125	472	-0.015	0.540	2.1	0.9536	0.0000	SURCHARGED
480 minute winter	S127	472	-0.016	0.563	147.8	1.4332	0.0000	SURCHARGED
480 minute winter	S119	480	-0.057	0.512	1.4	0.9055	0.0000	SURCHARGED
480 minute winter	S60	480	-0.057	0.536	147.7	1.3651	0.0000	SURCHARGED
480 minute winter	Pond Inlet 1	1352	-0.071	0.539	147.6	0.9523	0.0000	OK
480 minute winter	Pond Outlet	600	-0.076	0.534	73.9	0.6044	0.0000	SURCHARGED
480 minute winter	S13	584	-0.076	0.562	0.3	1.9483	0.0000	SURCHARGED
480 minute winter	Final Outfall	8	-0.740	0.000	0.0	0.0000	0.0000	OK
480 minute winter	PP-S26	320	0.791	0.291	6.1	28.8760	0.0000	SURCHARGED
480 minute winter	PP-S25	320	0.791	0.291	5.7	25.0900	0.0000	SURCHARGED
480 minute winter	PP-S16	320	0.791	0.291	9.2	41.9261	0.0000	SURCHARGED
480 minute winter	PP-S145	320	0.790	0.290	9.5	43.6023	0.0000	SURCHARGED
480 minute winter	PP-S4	328	0.788	0.288	8.1	38.4240	0.0000	SURCHARGED
480 minute winter	PP-S1	328	0.790	0.290	21.4	99.2366	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S78	9.002	S79	28.7	0.189	0.412	6.8745	
480 minute winter	S79	9.003	S30	38.0	0.240	0.529	7.6907	
480 minute winter	S30	1.007	S33	117.6	0.742	1.652	5.0209	
480 minute winter	S31	10.000	S32	10.2	0.145	0.144	13.6740	
480 minute winter	S32	10.001	S33	19.1	0.187	0.267	13.6740	
480 minute winter	S33	1.008	S34	127.4	0.804	1.806	5.1108	
480 minute winter	S34	1.009	S35	132.5	0.837	1.866	8.5103	
480 minute winter	S35	1.010	S37	133.0	0.840	2.002	1.7947	
480 minute winter	S36	11.000	S37	4.1	-0.060	0.057	9.1184	
480 minute winter	S37	1.011	S38	147.8	0.933	2.092	14.3287	
480 minute winter	S38	1.012	S39	147.8	0.933	2.069	14.3287	
480 minute winter	S39	1.013	S57	147.8	0.933	2.333	1.1814	
480 minute winter	S56	12.011	S57	-1.0	-0.097	-0.015	2.0645	
480 minute winter	S57	1.014	S127	147.8	0.933	2.089	4.4483	
480 minute winter	S125	21.003	S127	-2.1	-0.102	-0.030	7.8151	
480 minute winter	S127	1.015	S60	147.7	0.933	2.074	4.3871	
480 minute winter	S119	22.003	S60	-1.4	-0.161	-0.021	7.8151	
480 minute winter	S60	1.016	Pond Inlet 1	147.6	1.034	1.949	4.7280	
480 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	73.9	0.024	0.002	2930.3267	
480 minute winter	Pond Outlet	1.018	S13	0.3	0.195	0.004	0.4779	
480 minute winter	S13	Pump	Final Outfall	0.0				0.0
480 minute winter	PP-S26	1.000_1	S26	8.8	0.568	0.230	0.3977	
480 minute winter	PP-S25	2.000_1	S25	5.9	0.661	0.103	0.1989	
480 minute winter	PP-S16	3.000_1	S16	14.8	0.835	0.220	0.1989	
480 minute winter	PP-S145	4.000_2	S145	15.2	1.018	0.181	0.1989	
480 minute winter	PP-S4	1.000_2	S4	15.4	0.717	0.270	0.1989	
480 minute winter	PP-S1	4.000_1	S1	24.7	1.116	0.372	0.1989	

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Results for 100 year +40% CC 480 minute winter. 1920 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
480 minute winter	PP-S5	328	0.788	0.288	10.2	47.3916	0.0000	SURCHARGED
480 minute winter	PP-S12	328	0.787	0.287	7.3	29.7876	0.0000	SURCHARGED
480 minute winter	PP-S14	328	0.788	0.288	35.6	159.3904	0.0000	SURCHARGED
480 minute winter	PP-S2	328	0.788	0.288	7.8	31.0197	0.0000	SURCHARGED
480 minute winter	PP-S15	328	0.787	0.287	9.6	16.2336	0.0000	SURCHARGED
480 minute winter	PP-S75	320	0.784	0.284	9.1	17.6409	0.0000	SURCHARGED
480 minute winter	PP-S24	312	0.775	0.275	8.1	38.0513	0.0000	SURCHARGED
480 minute winter	PP-S30	296	0.732	0.232	3.6	13.1659	0.0000	SURCHARGED
480 minute winter	PP-S33	296	0.680	0.180	3.4	10.2497	0.0000	OK
480 minute winter	PP-S34	296	0.613	0.113	5.4	12.2749	0.0000	OK
480 minute winter	PP-S35	264	0.513	0.013	0.8	0.2075	0.0000	OK
480 minute winter	PP-S36	248	0.529	0.029	4.2	0.8683	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP-S5	2.000_2	S5	20.9	0.966	0.283	0.1989	
480 minute winter	PP-S12	8.000_1	S12	7.5	0.835	0.082	0.1989	
480 minute winter	PP-S14	11.000_1	S14	-35.5	1.419	-0.429	0.1989	
480 minute winter	PP-S2	10.000_1	S2	13.1	0.921	0.143	0.1989	
480 minute winter	PP-S15	12.000_1	S15	11.1	0.895	0.118	0.1989	
480 minute winter	PP-S75	13.000_1	S75	12.5	0.916	0.127	0.1989	
480 minute winter	PP-S24	14.000_1	S92	11.2	1.220	0.109	0.1989	
480 minute winter	PP-S30	18.000_1	S30	5.6	0.977	0.050	0.1989	
480 minute winter	PP-S33	20.000_1	S33	3.2	1.045	0.028	0.1848	
480 minute winter	PP-S34	21.000_1	S34	6.2	1.290	0.052	0.1493	
480 minute winter	PP-S35	22.000_2	S35	0.8	0.757	0.006	0.1017	
480 minute winter	PP-S36	23.000_2	S36	4.2	1.241	0.035	0.1061	

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Results for 100 year +40% CC 600 minute summer. 2040 minute analysis at 15 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
600 minute summer	S26	360	0.744	0.982	8.8	1.7356	0.0000	SURCHARGED
600 minute summer	S25	360	0.744	0.988	12.3	2.5150	0.0000	SURCHARGED
600 minute summer	S16	360	0.744	1.011	28.0	4.4836	0.0000	SURCHARGED
600 minute summer	S145	360	0.743	1.058	40.1	4.5539	0.0000	SURCHARGED
600 minute summer	S4	360	0.738	0.981	16.4	1.7339	0.0000	SURCHARGED
600 minute summer	S5	360	0.738	1.022	19.4	1.8063	0.0000	SURCHARGED
600 minute summer	S9	360	0.738	1.034	4.1	2.3822	0.0000	SURCHARGED
600 minute summer	S10	360	0.738	1.059	3.7	1.8712	0.0000	SURCHARGED
600 minute summer	S11	360	0.738	1.064	22.3	1.8800	0.0000	SURCHARGED
600 minute summer	S12	360	0.738	1.073	26.9	1.8956	0.0000	SURCHARGED
600 minute summer	S1	360	0.740	1.004	18.5	2.3636	0.0000	SURCHARGED
600 minute summer	S3	360	0.739	1.046	15.8	3.3456	0.0000	SURCHARGED
600 minute summer	S2	360	0.738	1.074	37.7	1.8981	0.0000	SURCHARGED
600 minute summer	S14	375	0.738	1.047	35.7	1.8506	0.0000	SURCHARGED
600 minute summer	S15	360	0.738	1.084	71.4	4.8772	0.0000	SURCHARGED
600 minute summer	S75	360	0.736	1.098	94.9	2.7955	0.0000	SURCHARGED
600 minute summer	S87	345	0.736	1.022	10.4	3.3165	0.0000	SURCHARGED
600 minute summer	S88	345	0.736	1.044	20.8	3.4051	0.0000	SURCHARGED
600 minute summer	S89	345	0.735	1.065	31.2	3.4528	0.0000	SURCHARGED
600 minute summer	S90	345	0.733	1.085	41.4	3.4569	0.0000	SURCHARGED
600 minute summer	S92	360	0.729	1.108	100.1	2.8202	0.0000	SURCHARGED
600 minute summer	S81	345	0.726	1.028	10.4	3.3180	0.0000	SURCHARGED
600 minute summer	S82	345	0.725	1.049	20.8	3.4074	0.0000	SURCHARGED
600 minute summer	S83	345	0.725	1.070	31.2	3.4525	0.0000	SURCHARGED
600 minute summer	S84	345	0.723	1.090	41.4	3.4561	0.0000	SURCHARGED
600 minute summer	S86	345	0.718	1.111	106.2	2.8287	0.0000	SURCHARGED
600 minute summer	S76	345	0.702	1.019	10.4	3.2749	0.0000	SURCHARGED
600 minute summer	S77	345	0.701	1.040	20.8	3.3638	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S26	1.000	S16	-5.6	0.040	-0.079	9.2005	
600 minute summer	S25	2.000	S16	7.7	0.049	0.109	7.3393	
600 minute summer	S16	1.001	S145	20.1	0.158	0.282	15.0038	
600 minute summer	S145	1.002	S75	31.4	0.228	0.446	15.0038	
600 minute summer	S4	3.000	S5	9.1	0.088	0.129	13.1095	
600 minute summer	S5	3.001	S11	21.2	0.134	0.297	13.1095	
600 minute summer	S9	4.000	S10	3.7	0.135	0.052	8.0648	
600 minute summer	S10	4.001	S11	3.6	0.085	0.047	1.3780	
600 minute summer	S11	3.002	S12	21.8	0.137	0.309	2.8740	
600 minute summer	S12	3.003	S15	23.3	0.147	0.339	3.6838	
600 minute summer	S1	5.000	S3	14.4	0.105	0.202	13.5151	
600 minute summer	S3	5.001	S2	14.7	0.164	0.207	9.1848	
600 minute summer	S2	5.002	S15	44.8	0.283	0.658	3.4165	
600 minute summer	S14	6.000	S15	-35.7	-0.225	-0.507	11.8707	
600 minute summer	S15	3.004	S75	63.7	0.402	0.890	4.9661	
600 minute summer	S75	1.003	S92	90.4	0.571	1.271	5.3380	
600 minute summer	S87	7.000	S88	12.1	0.123	0.169	6.8747	
600 minute summer	S88	7.001	S89	20.6	0.168	0.289	6.8747	
600 minute summer	S89	7.002	S90	31.0	0.197	0.435	6.8747	
600 minute summer	S90	7.003	S92	41.3	0.260	0.586	8.6413	
600 minute summer	S92	1.005	S86	100.0	0.631	1.407	4.4095	
600 minute summer	S81	8.000	S82	10.2	0.121	0.143	6.8747	
600 minute summer	S82	8.001	S83	20.6	0.165	0.296	6.8747	
600 minute summer	S83	8.002	S84	31.0	0.196	0.435	6.8747	
600 minute summer	S84	8.003	S86	41.3	0.261	0.581	8.1975	
600 minute summer	S86	1.006	S30	106.2	0.670	1.496	4.4165	
600 minute summer	S76	9.000	S77	10.2	0.122	0.143	6.8747	
600 minute summer	S77	9.001	S78	20.7	0.165	0.289	6.8747	

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Results for 100 year +40% CC 600 minute summer. 2040 minute analysis at 15 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
600 minute summer	S78	345	0.701	1.062	31.3	3.4120	0.0000	SURCHARGED
600 minute summer	S79	345	0.699	1.081	41.5	3.4136	0.0000	SURCHARGED
600 minute summer	S30	345	0.695	1.102	117.1	2.8038	0.0000	SURCHARGED
600 minute summer	S31	345	0.648	0.984	11.2	3.2598	0.0000	SURCHARGED
600 minute summer	S32	345	0.648	1.027	20.9	3.1710	0.0000	SURCHARGED
600 minute summer	S33	345	0.646	1.069	126.5	2.7215	0.0000	SURCHARGED
600 minute summer	S34	345	0.582	1.021	130.7	1.8042	0.0000	SURCHARGED
600 minute summer	S35	330	0.481	0.947	131.2	1.6727	0.0000	SURCHARGED
600 minute summer	S36	330	0.446	0.888	4.5	1.5695	0.0000	SURCHARGED
600 minute summer	S37	330	0.446	0.917	146.3	4.5089	0.0000	SURCHARGED
600 minute summer	S38	330	0.236	0.752	146.3	1.3295	0.0000	SURCHARGED
600 minute summer	S39	345	0.027	0.589	146.3	1.0411	0.0000	SURCHARGED
600 minute summer	S56	345	-0.010	0.549	0.5	0.9709	0.0000	SURCHARGED
600 minute summer	S57	345	-0.010	0.555	146.3	1.4137	0.0000	SURCHARGED
600 minute summer	S125	495	-0.065	0.490	0.6	0.8663	0.0000	SURCHARGED
600 minute summer	S127	495	-0.065	0.514	146.2	1.3091	0.0000	SURCHARGED
600 minute summer	S119	1005	-0.106	0.463	0.5	0.8186	0.0000	SURCHARGED
600 minute summer	S60	960	-0.106	0.487	146.2	1.2399	0.0000	SURCHARGED
600 minute summer	Pond Inlet 1	660	-0.103	0.507	146.1	0.8954	0.0000	OK
600 minute summer	Pond Outlet	660	-0.107	0.503	73.1	0.5686	0.0000	SURCHARGED
600 minute summer	S13	660	-0.107	0.531	0.3	1.8388	0.0000	SURCHARGED
600 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute summer	PP-S26	360	0.744	0.244	8.7	23.6789	0.0000	SURCHARGED
600 minute summer	PP-S25	360	0.744	0.244	6.9	20.6265	0.0000	SURCHARGED
600 minute summer	PP-S16	360	0.744	0.244	12.5	33.8589	0.0000	SURCHARGED
600 minute summer	PP-S145	360	0.743	0.243	12.9	35.1437	0.0000	SURCHARGED
600 minute summer	PP-S4	360	0.738	0.238	11.0	30.6448	0.0000	SURCHARGED
600 minute summer	PP-S1	360	0.740	0.240	26.2	81.7977	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S78	9.002	S79	31.1	0.196	0.446	6.8745	
600 minute summer	S79	9.003	S30	41.3	0.261	0.574	7.6907	
600 minute summer	S30	1.007	S33	117.2	0.740	1.646	5.0209	
600 minute summer	S31	10.000	S32	11.1	0.134	0.156	13.6740	
600 minute summer	S32	10.001	S33	20.7	0.155	0.290	13.6740	
600 minute summer	S33	1.008	S34	126.6	0.799	1.794	5.1108	
600 minute summer	S34	1.009	S35	130.8	0.825	1.841	8.5103	
600 minute summer	S35	1.010	S37	131.3	0.829	1.976	1.7947	
600 minute summer	S36	11.000	S37	4.4	0.028	0.062	9.1184	
600 minute summer	S37	1.011	S38	146.3	0.923	2.070	14.3287	
600 minute summer	S38	1.012	S39	146.3	0.923	2.047	14.3287	
600 minute summer	S39	1.013	S57	146.3	0.923	2.308	1.1814	
600 minute summer	S56	12.011	S57	-0.5	-0.029	-0.007	2.0645	
600 minute summer	S57	1.014	S127	146.2	0.923	2.068	4.4483	
600 minute summer	S125	21.003	S127	-0.6	-0.104	-0.009	7.8151	
600 minute summer	S127	1.015	S60	146.2	0.923	2.053	4.3871	
600 minute summer	S119	22.003	S60	-0.5	-0.019	-0.008	7.8151	
600 minute summer	S60	1.016	Pond Inlet 1	146.1	1.029	1.930	4.7280	
600 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	73.1	0.021	0.001	2742.6375	
600 minute summer	Pond Outlet	1.018	S13	0.3	0.181	0.004	0.4779	
600 minute summer	S13	Pump	Final Outfall	0.0				0.0
600 minute summer	PP-S26	1.000_1	S26	8.8	0.500	0.228	0.3977	
600 minute summer	PP-S25	2.000_1	S25	12.3	0.632	0.213	0.1989	
600 minute summer	PP-S16	3.000_1	S16	15.5	0.842	0.230	0.1989	
600 minute summer	PP-S145	4.000_2	S145	28.3	1.032	0.335	0.1989	
600 minute summer	PP-S4	1.000_2	S4	13.1	0.723	0.230	0.1989	
600 minute summer	PP-S1	4.000_1	S1	18.0	1.002	0.271	0.1989	

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Results for 100 year +40% CC 600 minute summer. 2040 minute analysis at 15 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
600 minute summer	PP-S5	360	0.738	0.238	12.7	37.5386	0.0000	SURCHARGED
600 minute summer	PP-S12	360	0.738	0.238	8.4	24.2882	0.0000	SURCHARGED
600 minute summer	PP-S14	375	0.739	0.239	35.8	128.3792	0.0000	SURCHARGED
600 minute summer	PP-S2	360	0.738	0.238	8.9	25.4556	0.0000	SURCHARGED
600 minute summer	PP-S15	360	0.738	0.238	8.1	13.2843	0.0000	SURCHARGED
600 minute summer	PP-S75	360	0.736	0.236	5.8	14.5328	0.0000	SURCHARGED
600 minute summer	PP-S24	360	0.730	0.230	11.6	30.8834	0.0000	SURCHARGED
600 minute summer	PP-S30	345	0.695	0.195	4.9	10.9535	0.0000	OK
600 minute summer	PP-S33	345	0.646	0.146	5.3	8.1290	0.0000	OK
600 minute summer	PP-S34	345	0.581	0.081	6.1	7.6615	0.0000	OK
600 minute summer	PP-S35	315	0.514	0.014	0.9	0.2281	0.0000	OK
600 minute summer	PP-S36	315	0.530	0.030	4.5	0.9347	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	PP-S5	2.000_2	S5	10.3	0.976	0.139	0.1989	
600 minute summer	PP-S12	8.000_1	S12	7.9	0.846	0.087	0.1989	
600 minute summer	PP-S14	11.000_1	S14	-35.7	1.210	-0.431	0.1989	
600 minute summer	PP-S2	10.000_1	S2	23.2	0.925	0.255	0.1989	
600 minute summer	PP-S15	12.000_1	S15	10.9	0.902	0.115	0.1989	
600 minute summer	PP-S75	13.000_1	S75	-5.4	0.920	-0.054	0.1989	
600 minute summer	PP-S24	14.000_1	S92	8.0	1.234	0.078	0.1989	
600 minute summer	PP-S30	18.000_1	S30	7.4	0.980	0.066	0.1908	
600 minute summer	PP-S33	20.000_1	S33	4.2	1.055	0.036	0.1678	
600 minute summer	PP-S34	21.000_1	S34	6.1	1.308	0.052	0.1313	
600 minute summer	PP-S35	22.000_2	S35	0.9	0.778	0.007	0.1019	
600 minute summer	PP-S36	23.000_2	S36	4.5	1.226	0.038	0.1020	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	S26	390	0.733	0.971	4.9	1.7158	0.0000	SURCHARGED
600 minute winter	S25	390	0.733	0.977	15.5	2.4865	0.0000	SURCHARGED
600 minute winter	S16	390	0.733	1.000	27.8	4.4339	0.0000	SURCHARGED
600 minute winter	S145	390	0.732	1.047	25.9	4.5070	0.0000	SURCHARGED
600 minute winter	S4	390	0.731	0.974	18.9	1.7202	0.0000	SURCHARGED
600 minute winter	S5	390	0.730	1.014	16.7	1.7925	0.0000	SURCHARGED
600 minute winter	S9	390	0.730	1.026	10.3	2.3643	0.0000	SURCHARGED
600 minute winter	S10	390	0.730	1.051	2.8	1.8574	0.0000	SURCHARGED
600 minute winter	S11	390	0.730	1.056	15.1	1.8662	0.0000	SURCHARGED
600 minute winter	S12	390	0.730	1.065	29.8	1.8819	0.0000	SURCHARGED
600 minute winter	S1	390	0.732	0.996	15.5	2.3446	0.0000	SURCHARGED
600 minute winter	S3	390	0.731	1.038	13.9	3.3199	0.0000	SURCHARGED
600 minute winter	S2	390	0.730	1.066	34.2	1.8842	0.0000	SURCHARGED
600 minute winter	S14	390	0.730	1.039	25.6	1.8361	0.0000	SURCHARGED
600 minute winter	S15	390	0.730	1.076	83.0	4.8423	0.0000	SURCHARGED
600 minute winter	S75	390	0.727	1.089	94.9	2.7711	0.0000	SURCHARGED
600 minute winter	S87	375	0.722	1.008	7.9	3.2695	0.0000	SURCHARGED
600 minute winter	S88	375	0.722	1.030	15.9	3.3580	0.0000	SURCHARGED
600 minute winter	S89	375	0.721	1.051	23.9	3.4068	0.0000	SURCHARGED
600 minute winter	S90	375	0.720	1.072	31.7	3.4138	0.0000	SURCHARGED
600 minute winter	S92	375	0.717	1.096	94.8	2.7892	0.0000	SURCHARGED
600 minute winter	S81	375	0.705	1.007	7.9	3.2531	0.0000	SURCHARGED
600 minute winter	S82	375	0.705	1.029	15.9	3.3423	0.0000	SURCHARGED
600 minute winter	S83	375	0.705	1.050	23.9	3.3887	0.0000	SURCHARGED
600 minute winter	S84	375	0.703	1.070	31.7	3.3954	0.0000	SURCHARGED
600 minute winter	S86	375	0.701	1.094	101.6	2.7834	0.0000	SURCHARGED
600 minute winter	S76	360	0.679	0.996	7.9	3.2022	0.0000	SURCHARGED
600 minute winter	S77	360	0.679	1.018	15.9	3.2907	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S26	1.000	S16	16.5	0.104	0.233	9.2005	
600 minute winter	S25	2.000	S16	5.6	0.035	0.079	7.3393	
600 minute winter	S16	1.001	S145	14.7	0.158	0.206	15.0038	
600 minute winter	S145	1.002	S75	25.1	0.206	0.356	15.0038	
600 minute winter	S4	3.000	S5	9.7	0.091	0.137	13.1095	
600 minute winter	S5	3.001	S11	11.5	0.105	0.161	13.1095	
600 minute winter	S9	4.000	S10	-9.8	0.118	-0.140	8.0648	
600 minute winter	S10	4.001	S11	6.9	0.090	0.090	1.3780	
600 minute winter	S11	3.002	S12	29.8	0.188	0.422	2.8740	
600 minute winter	S12	3.003	S15	28.6	0.180	0.415	3.6838	
600 minute winter	S1	5.000	S3	12.3	0.111	0.173	13.5151	
600 minute winter	S3	5.001	S2	20.0	0.150	0.283	9.1848	
600 minute winter	S2	5.002	S15	24.1	0.152	0.354	3.4165	
600 minute winter	S14	6.000	S15	-25.6	-0.162	-0.364	11.8707	
600 minute winter	S15	3.004	S75	57.2	0.361	0.799	4.9661	
600 minute winter	S75	1.003	S92	84.5	0.534	1.188	5.3380	
600 minute winter	S87	7.000	S88	7.8	0.127	0.109	6.8747	
600 minute winter	S88	7.001	S89	15.8	0.164	0.221	6.8747	
600 minute winter	S89	7.002	S90	23.8	0.173	0.333	6.8747	
600 minute winter	S90	7.003	S92	31.6	0.204	0.448	8.6413	
600 minute winter	S92	1.005	S86	95.0	0.599	1.337	4.4095	
600 minute winter	S81	8.000	S82	7.8	0.126	0.109	6.8747	
600 minute winter	S82	8.001	S83	15.8	0.162	0.227	6.8747	
600 minute winter	S83	8.002	S84	23.8	0.163	0.333	6.8747	
600 minute winter	S84	8.003	S86	31.6	0.222	0.445	8.1975	
600 minute winter	S86	1.006	S30	101.7	0.642	1.432	4.4165	
600 minute winter	S76	9.000	S77	7.8	0.127	0.109	6.8747	
600 minute winter	S77	9.001	S78	15.8	0.163	0.221	6.8747	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	S78	360	0.678	1.039	23.9	3.3396	0.0000	SURCHARGED
600 minute winter	S79	360	0.676	1.058	31.7	3.3430	0.0000	SURCHARGED
600 minute winter	S30	360	0.673	1.080	113.6	2.7478	0.0000	SURCHARGED
600 minute winter	S31	360	0.625	0.961	8.6	3.1822	0.0000	SURCHARGED
600 minute winter	S32	360	0.624	1.003	16.0	3.0987	0.0000	SURCHARGED
600 minute winter	S33	360	0.623	1.046	124.3	2.6622	0.0000	SURCHARGED
600 minute winter	S34	360	0.559	0.998	128.1	1.7633	0.0000	SURCHARGED
600 minute winter	S35	360	0.457	0.923	128.6	1.6317	0.0000	SURCHARGED
600 minute winter	S36	360	0.423	0.865	3.5	1.5280	0.0000	SURCHARGED
600 minute winter	S37	360	0.423	0.894	142.5	4.3934	0.0000	SURCHARGED
600 minute winter	S38	375	0.226	0.742	142.5	1.3103	0.0000	SURCHARGED
600 minute winter	S39	525	0.054	0.616	142.5	1.0886	0.0000	SURCHARGED
600 minute winter	S56	525	0.034	0.593	0.8	1.0472	0.0000	SURCHARGED
600 minute winter	S57	525	0.034	0.599	142.4	1.5235	0.0000	SURCHARGED
600 minute winter	S125	525	-0.010	0.545	1.2	0.9623	0.0000	SURCHARGED
600 minute winter	S127	525	-0.010	0.569	142.4	1.4470	0.0000	SURCHARGED
600 minute winter	S119	540	-0.050	0.519	1.2	0.9174	0.0000	SURCHARGED
600 minute winter	S60	540	-0.050	0.543	142.4	1.3822	0.0000	SURCHARGED
600 minute winter	Pond Inlet 1	690	-0.050	0.560	142.2	0.9902	0.0000	OK
600 minute winter	Pond Outlet	660	-0.054	0.556	71.2	0.6283	0.0000	SURCHARGED
600 minute winter	S13	690	-0.054	0.584	0.4	2.0217	0.0000	SURCHARGED
600 minute winter	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
600 minute winter	PP-S26	390	0.733	0.233	4.5	22.4340	0.0000	SURCHARGED
600 minute winter	PP-S25	390	0.733	0.233	4.3	19.5620	0.0000	SURCHARGED
600 minute winter	PP-S16	390	0.733	0.233	6.2	31.9283	0.0000	SURCHARGED
600 minute winter	PP-S145	390	0.732	0.232	6.5	33.1789	0.0000	SURCHARGED
600 minute winter	PP-S4	390	0.731	0.231	5.9	29.4215	0.0000	SURCHARGED
600 minute winter	PP-S1	390	0.732	0.232	15.2	78.8602	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S78	9.002	S79	23.8	0.165	0.341	6.8745	
600 minute winter	S79	9.003	S30	31.6	0.219	0.439	7.6907	
600 minute winter	S30	1.007	S33	113.7	0.718	1.598	5.0209	
600 minute winter	S31	10.000	S32	8.5	0.139	0.120	13.6740	
600 minute winter	S32	10.001	S33	15.9	0.164	0.222	13.6740	
600 minute winter	S33	1.008	S34	124.3	0.784	1.762	5.1108	
600 minute winter	S34	1.009	S35	128.1	0.808	1.803	8.5103	
600 minute winter	S35	1.010	S37	128.6	0.812	1.935	1.7947	
600 minute winter	S36	11.000	S37	3.4	0.042	0.048	9.1184	
600 minute winter	S37	1.011	S38	142.5	0.899	2.016	14.3287	
600 minute winter	S38	1.012	S39	142.5	0.899	1.994	14.3287	
600 minute winter	S39	1.013	S57	142.4	0.899	2.248	1.1814	
600 minute winter	S56	12.011	S57	-0.8	-0.167	-0.012	2.0645	
600 minute winter	S57	1.014	S127	142.4	0.899	2.013	4.4483	
600 minute winter	S125	21.003	S127	-1.2	-0.028	-0.017	7.8151	
600 minute winter	S127	1.015	S60	142.4	0.899	1.999	4.3871	
600 minute winter	S119	22.003	S60	-1.2	-0.056	-0.017	7.8151	
600 minute winter	S60	1.016	Pond Inlet 1	142.2	1.013	1.878	4.7280	
600 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	71.2	0.022	0.001	3056.6812	
600 minute winter	Pond Outlet	1.018	S13	0.4	0.194	0.005	0.4779	
600 minute winter	S13	Pump	Final Outfall	0.0				0.0
600 minute winter	PP-S26	1.000_1	S26	4.9	0.497	0.128	0.3977	
600 minute winter	PP-S25	2.000_1	S25	12.6	0.630	0.219	0.1989	
600 minute winter	PP-S16	3.000_1	S16	9.5	0.800	0.141	0.1989	
600 minute winter	PP-S145	4.000_2	S145	10.5	0.976	0.124	0.1989	
600 minute winter	PP-S4	1.000_2	S4	18.9	0.722	0.332	0.1989	
600 minute winter	PP-S1	4.000_1	S1	14.9	1.024	0.225	0.1989	

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Results for 100 year +40% CC 600 minute winter. 2040 minute analysis at 15 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
600 minute winter	PP-S5	390	0.731	0.231	7.1	35.9862	0.0000	SURCHARGED
600 minute winter	PP-S12	390	0.730	0.230	9.9	23.4213	0.0000	SURCHARGED
600 minute winter	PP-S14	390	0.730	0.230	25.7	122.8318	0.0000	SURCHARGED
600 minute winter	PP-S2	390	0.730	0.230	4.0	24.5662	0.0000	SURCHARGED
600 minute winter	PP-S15	390	0.730	0.230	2.2	12.8200	0.0000	SURCHARGED
600 minute winter	PP-S75	390	0.727	0.227	2.4	13.9049	0.0000	SURCHARGED
600 minute winter	PP-S24	375	0.717	0.217	5.9	28.9349	0.0000	OK
600 minute winter	PP-S30	360	0.673	0.173	2.7	9.6297	0.0000	OK
600 minute winter	PP-S33	360	0.623	0.123	2.3	6.6742	0.0000	OK
600 minute winter	PP-S34	360	0.558	0.058	4.5	4.4426	0.0000	OK
600 minute winter	PP-S35	315	0.512	0.012	0.7	0.1857	0.0000	OK
600 minute winter	PP-S36	315	0.527	0.027	3.5	0.7403	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP-S5	2.000_2	S5	10.5	0.935	0.141	0.1989	
600 minute winter	PP-S12	8.000_1	S12	11.4	0.798	0.125	0.1989	
600 minute winter	PP-S14	11.000_1	S14	-25.6	1.264	-0.309	0.1989	
600 minute winter	PP-S2	10.000_1	S2	16.7	0.886	0.183	0.1989	
600 minute winter	PP-S15	12.000_1	S15	18.8	0.863	0.199	0.1989	
600 minute winter	PP-S75	13.000_1	S75	21.2	0.870	0.214	0.1988	
600 minute winter	PP-S24	14.000_1	S92	7.9	1.179	0.077	0.1977	
600 minute winter	PP-S30	18.000_1	S30	3.5	0.929	0.032	0.1812	
600 minute winter	PP-S33	20.000_1	S33	2.6	1.006	0.023	0.1549	
600 minute winter	PP-S34	21.000_1	S34	4.5	1.236	0.038	0.1196	
600 minute winter	PP-S35	22.000_2	S35	0.7	0.759	0.006	0.1013	
600 minute winter	PP-S36	23.000_2	S36	3.5	1.209	0.029	0.0915	

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Results for 100 year +40% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S26	420	0.709	0.947	9.2	1.6731	0.0000	SURCHARGED
720 minute summer	S25	420	0.709	0.953	16.8	2.4250	0.0000	SURCHARGED
720 minute summer	S16	420	0.709	0.976	19.5	4.3268	0.0000	SURCHARGED
720 minute summer	S145	420	0.707	1.022	24.4	4.4018	0.0000	SURCHARGED
720 minute summer	S4	435	0.704	0.947	5.6	1.6727	0.0000	SURCHARGED
720 minute summer	S5	435	0.704	0.988	13.4	1.7451	0.0000	SURCHARGED
720 minute summer	S9	435	0.703	0.999	3.3	2.3026	0.0000	SURCHARGED
720 minute summer	S10	435	0.703	1.024	3.2	1.8101	0.0000	SURCHARGED
720 minute summer	S11	435	0.703	1.029	17.7	1.8189	0.0000	SURCHARGED
720 minute summer	S12	435	0.703	1.038	29.4	1.8346	0.0000	SURCHARGED
720 minute summer	S1	435	0.705	0.969	14.7	2.2813	0.0000	SURCHARGED
720 minute summer	S3	435	0.704	1.011	22.8	3.2342	0.0000	SURCHARGED
720 minute summer	S2	435	0.704	1.040	17.5	1.8369	0.0000	SURCHARGED
720 minute summer	S14	435	0.704	1.013	28.9	1.7898	0.0000	SURCHARGED
720 minute summer	S15	435	0.703	1.049	55.3	4.7219	0.0000	SURCHARGED
720 minute summer	S75	420	0.701	1.063	91.8	2.7058	0.0000	SURCHARGED
720 minute summer	S87	405	0.701	0.987	9.1	3.2013	0.0000	SURCHARGED
720 minute summer	S88	405	0.701	1.009	18.3	3.2888	0.0000	SURCHARGED
720 minute summer	S89	405	0.700	1.030	27.6	3.3379	0.0000	SURCHARGED
720 minute summer	S90	405	0.698	1.050	36.5	3.3444	0.0000	SURCHARGED
720 minute summer	S92	405	0.694	1.073	100.5	2.7309	0.0000	SURCHARGED
720 minute summer	S81	405	0.689	0.991	9.1	3.1988	0.0000	SURCHARGED
720 minute summer	S82	405	0.688	1.012	18.3	3.2869	0.0000	SURCHARGED
720 minute summer	S83	405	0.688	1.033	27.6	3.3335	0.0000	SURCHARGED
720 minute summer	S84	405	0.686	1.053	36.5	3.3401	0.0000	SURCHARGED
720 minute summer	S86	405	0.682	1.075	106.3	2.7366	0.0000	SURCHARGED
720 minute summer	S76	405	0.663	0.980	9.1	3.1515	0.0000	SURCHARGED
720 minute summer	S77	405	0.663	1.002	18.4	3.2401	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S26	1.000	S16	11.1	0.070	0.157	9.2005	
720 minute summer	S25	2.000	S16	-9.6	-0.060	-0.135	7.3393	
720 minute summer	S16	1.001	S145	20.0	0.148	0.281	15.0038	
720 minute summer	S145	1.002	S75	26.8	0.216	0.379	15.0038	
720 minute summer	S4	3.000	S5	7.8	0.092	0.111	13.1095	
720 minute summer	S5	3.001	S11	13.9	0.121	0.195	13.1095	
720 minute summer	S9	4.000	S10	3.2	0.126	0.045	8.0648	
720 minute summer	S10	4.001	S11	4.6	0.108	0.061	1.3780	
720 minute summer	S11	3.002	S12	16.1	0.102	0.228	2.8740	
720 minute summer	S12	3.003	S15	17.1	0.108	0.248	3.6838	
720 minute summer	S1	5.000	S3	21.4	0.135	0.301	13.5151	
720 minute summer	S3	5.001	S2	16.8	0.156	0.237	9.1848	
720 minute summer	S2	5.002	S15	17.6	0.126	0.258	3.4165	
720 minute summer	S14	6.000	S15	-28.9	-0.182	-0.410	11.8707	
720 minute summer	S15	3.004	S75	62.2	0.393	0.869	4.9661	
720 minute summer	S75	1.003	S92	88.7	0.560	1.247	5.3380	
720 minute summer	S87	7.000	S88	8.9	0.120	0.125	6.8747	
720 minute summer	S88	7.001	S89	18.2	0.162	0.255	6.8747	
720 minute summer	S89	7.002	S90	27.4	0.186	0.385	6.8747	
720 minute summer	S90	7.003	S92	36.4	0.230	0.516	8.6413	
720 minute summer	S92	1.005	S86	99.5	0.628	1.401	4.4095	
720 minute summer	S81	8.000	S82	8.9	0.118	0.125	6.8747	
720 minute summer	S82	8.001	S83	18.2	0.159	0.261	6.8747	
720 minute summer	S83	8.002	S84	27.4	0.183	0.385	6.8747	
720 minute summer	S84	8.003	S86	36.4	0.230	0.512	8.1975	
720 minute summer	S86	1.006	S30	106.5	0.672	1.500	4.4165	
720 minute summer	S76	9.000	S77	9.0	0.120	0.125	6.8747	
720 minute summer	S77	9.001	S78	18.2	0.160	0.255	6.8747	

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Results for 100 year +40% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S78	405	0.662	1.023	27.6	3.2893	0.0000	SURCHARGED
720 minute summer	S79	405	0.661	1.043	36.6	3.2950	0.0000	SURCHARGED
720 minute summer	S30	405	0.658	1.065	114.5	2.7096	0.0000	SURCHARGED
720 minute summer	S31	405	0.615	0.951	9.9	3.1488	0.0000	SURCHARGED
720 minute summer	S32	405	0.613	0.992	18.5	3.0642	0.0000	SURCHARGED
720 minute summer	S33	405	0.611	1.034	124.4	2.6307	0.0000	SURCHARGED
720 minute summer	S34	390	0.553	0.992	128.2	1.7524	0.0000	SURCHARGED
720 minute summer	S35	390	0.453	0.919	129.4	1.6245	0.0000	SURCHARGED
720 minute summer	S36	390	0.419	0.861	4.0	1.5222	0.0000	SURCHARGED
720 minute summer	S37	390	0.419	0.890	143.8	4.3767	0.0000	SURCHARGED
720 minute summer	S38	390	0.217	0.733	143.5	1.2952	0.0000	SURCHARGED
720 minute summer	S39	405	0.016	0.578	143.4	1.0218	0.0000	SURCHARGED
720 minute summer	S56	540	-0.018	0.541	0.5	0.9563	0.0000	SURCHARGED
720 minute summer	S57	540	-0.018	0.547	143.4	1.3929	0.0000	SURCHARGED
720 minute summer	S125	540	-0.065	0.490	0.7	0.8659	0.0000	SURCHARGED
720 minute summer	S127	540	-0.065	0.514	143.3	1.3072	0.0000	SURCHARGED
720 minute summer	S119	1770	-0.089	0.480	0.6	0.8477	0.0000	SURCHARGED
720 minute summer	S60	1770	-0.089	0.504	143.2	1.2814	0.0000	SURCHARGED
720 minute summer	Pond Inlet 1	795	-0.087	0.523	142.9	0.9247	0.0000	OK
720 minute summer	Pond Outlet	780	-0.091	0.519	71.6	0.5870	0.0000	SURCHARGED
720 minute summer	S13	975	-0.091	0.547	0.2	1.8950	0.0000	SURCHARGED
720 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
720 minute summer	PP-S26	420	0.709	0.209	6.8	19.7623	0.0000	OK
720 minute summer	PP-S25	420	0.709	0.209	5.5	17.2689	0.0000	OK
720 minute summer	PP-S16	420	0.709	0.209	9.6	27.7814	0.0000	OK
720 minute summer	PP-S145	420	0.707	0.207	10.1	28.7983	0.0000	OK
720 minute summer	PP-S4	435	0.704	0.204	8.6	25.1916	0.0000	OK
720 minute summer	PP-S1	435	0.705	0.205	21.7	69.3408	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	S78	9.002	S79	27.5	0.184	0.394	6.8745	
720 minute summer	S79	9.003	S30	36.4	0.230	0.506	7.6907	
720 minute summer	S30	1.007	S33	114.7	0.724	1.611	5.0209	
720 minute summer	S31	10.000	S32	9.8	0.129	0.138	13.6740	
720 minute summer	S32	10.001	S33	18.3	0.172	0.256	13.6740	
720 minute summer	S33	1.008	S34	124.5	0.786	1.765	5.1108	
720 minute summer	S34	1.009	S35	128.8	0.813	1.814	8.5103	
720 minute summer	S35	1.010	S37	129.3	0.816	1.946	1.7947	
720 minute summer	S36	11.000	S37	3.9	0.032	0.055	9.1184	
720 minute summer	S37	1.011	S38	143.5	0.906	2.031	14.3287	
720 minute summer	S38	1.012	S39	143.4	0.905	2.008	14.3287	
720 minute summer	S39	1.013	S57	143.4	0.905	2.263	1.1814	
720 minute summer	S56	12.011	S57	-0.5	-0.041	-0.007	2.0645	
720 minute summer	S57	1.014	S127	143.3	0.904	2.025	4.4483	
720 minute summer	S125	21.003	S127	-0.7	-0.028	-0.010	7.8151	
720 minute summer	S127	1.015	S60	143.2	0.904	2.010	4.3871	
720 minute summer	S119	22.003	S60	-0.6	-0.025	-0.008	7.8151	
720 minute summer	S60	1.016	Pond Inlet 1	142.9	1.009	1.887	4.7280	
720 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	71.6	0.020	0.001	2838.5935	
720 minute summer	Pond Outlet	1.018	S13	0.2	0.130	0.002	0.4779	
720 minute summer	S13	Pump	Final Outfall	0.0				0.0
720 minute summer	PP-S26	1.000_1	S26	6.2	0.493	0.161	0.3913	
720 minute summer	PP-S25	2.000_1	S25	7.3	0.625	0.127	0.1956	
720 minute summer	PP-S16	3.000_1	S16	5.6	0.835	0.083	0.1956	
720 minute summer	PP-S145	4.000_2	S145	5.9	1.017	0.070	0.1952	
720 minute summer	PP-S4	1.000_2	S4	-6.7	0.718	-0.118	0.1940	
720 minute summer	PP-S1	4.000_1	S1	14.2	1.044	0.214	0.1945	

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Results for 100 year +40% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP-S5	435	0.704	0.204	10.0	30.6365	0.0000	OK
720 minute summer	PP-S12	435	0.703	0.203	7.6	20.4416	0.0000	OK
720 minute summer	PP-S14	435	0.704	0.204	28.9	106.3114	0.0000	OK
720 minute summer	PP-S2	435	0.704	0.204	8.3	21.5460	0.0000	OK
720 minute summer	PP-S15	435	0.703	0.203	6.3	11.2209	0.0000	OK
720 minute summer	PP-S75	420	0.701	0.201	3.9	12.2329	0.0000	OK
720 minute summer	PP-S24	405	0.694	0.194	9.0	25.3560	0.0000	OK
720 minute summer	PP-S30	405	0.657	0.157	3.9	8.6838	0.0000	OK
720 minute summer	PP-S33	405	0.610	0.110	4.2	5.8934	0.0000	OK
720 minute summer	PP-S34	405	0.544	0.044	5.2	2.6152	0.0000	OK
720 minute summer	PP-S35	375	0.513	0.013	0.8	0.2074	0.0000	OK
720 minute summer	PP-S36	375	0.528	0.028	4.0	0.8370	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	PP-S5	2.000_2	S5	6.2	0.968	0.084	0.1940	
720 minute summer	PP-S12	8.000_1	S12	13.3	0.830	0.146	0.1939	
720 minute summer	PP-S14	11.000_1	S14	-28.8	1.277	-0.348	0.1942	
720 minute summer	PP-S2	10.000_1	S2	-6.6	0.920	-0.073	0.1940	
720 minute summer	PP-S15	12.000_1	S15	-5.9	0.891	-0.063	0.1938	
720 minute summer	PP-S75	13.000_1	S75	13.8	0.920	0.140	0.1932	
720 minute summer	PP-S24	14.000_1	S92	18.4	1.222	0.180	0.1907	
720 minute summer	PP-S30	18.000_1	S30	3.8	0.980	0.034	0.1734	
720 minute summer	PP-S33	20.000_1	S33	2.6	1.041	0.023	0.1479	
720 minute summer	PP-S34	21.000_1	S34	10.0	1.289	0.085	0.1131	
720 minute summer	PP-S35	22.000_2	S35	0.8	0.748	0.006	0.1016	
720 minute summer	PP-S36	23.000_2	S36	4.0	1.206	0.034	0.0909	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S26	450	0.683	0.921	10.5	1.6269	0.0000	SURCHARGED
720 minute winter	S25	450	0.683	0.927	10.8	2.3585	0.0000	SURCHARGED
720 minute winter	S16	450	0.683	0.950	14.5	4.2109	0.0000	SURCHARGED
720 minute winter	S145	450	0.681	0.996	26.6	4.2908	0.0000	SURCHARGED
720 minute winter	S4	450	0.680	0.923	19.2	1.6314	0.0000	SURCHARGED
720 minute winter	S5	450	0.680	0.964	10.4	1.7037	0.0000	SURCHARGED
720 minute winter	S9	450	0.680	0.976	2.9	2.2486	0.0000	SURCHARGED
720 minute winter	S10	450	0.680	1.001	11.4	1.7687	0.0000	SURCHARGED
720 minute winter	S11	450	0.680	1.006	19.6	1.7775	0.0000	SURCHARGED
720 minute winter	S12	450	0.680	1.015	28.0	1.7932	0.0000	SURCHARGED
720 minute winter	S1	450	0.681	0.945	23.3	2.2263	0.0000	SURCHARGED
720 minute winter	S3	450	0.681	0.988	19.8	3.1593	0.0000	SURCHARGED
720 minute winter	S2	450	0.680	1.016	31.5	1.7955	0.0000	SURCHARGED
720 minute winter	S14	450	0.680	0.989	22.0	1.7473	0.0000	SURCHARGED
720 minute winter	S15	450	0.680	1.026	65.4	4.6164	0.0000	SURCHARGED
720 minute winter	S75	450	0.677	1.039	81.7	2.6437	0.0000	SURCHARGED
720 minute winter	S87	435	0.672	0.958	6.9	3.1064	0.0000	SURCHARGED
720 minute winter	S88	435	0.671	0.979	15.5	3.1940	0.0000	SURCHARGED
720 minute winter	S89	435	0.671	1.001	20.9	3.2440	0.0000	SURCHARGED
720 minute winter	S90	435	0.670	1.022	27.8	3.2540	0.0000	SURCHARGED
720 minute winter	S92	435	0.667	1.046	90.6	2.6620	0.0000	SURCHARGED
720 minute winter	S81	435	0.655	0.957	6.9	3.0917	0.0000	SURCHARGED
720 minute winter	S82	435	0.655	0.979	13.9	3.1800	0.0000	SURCHARGED
720 minute winter	S83	435	0.655	1.000	21.0	3.2274	0.0000	SURCHARGED
720 minute winter	S84	435	0.654	1.021	27.8	3.2372	0.0000	SURCHARGED
720 minute winter	S86	435	0.651	1.044	96.9	2.6569	0.0000	SURCHARGED
720 minute winter	S76	420	0.629	0.946	6.9	3.0400	0.0000	SURCHARGED
720 minute winter	S77	420	0.628	0.967	13.9	3.1277	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S26	1.000	S16	4.5	0.044	0.064	9.2005	
720 minute winter	S25	2.000	S16	10.9	0.069	0.154	7.3393	
720 minute winter	S16	1.001	S145	15.0	0.155	0.210	15.0038	
720 minute winter	S145	1.002	S75	29.7	0.196	0.420	15.0038	
720 minute winter	S4	3.000	S5	8.4	0.092	0.119	13.1095	
720 minute winter	S5	3.001	S11	15.8	0.103	0.221	13.1095	
720 minute winter	S9	4.000	S10	11.4	0.102	0.162	8.0648	
720 minute winter	S10	4.001	S11	3.8	0.071	0.050	1.3780	
720 minute winter	S11	3.002	S12	14.9	0.094	0.212	2.8740	
720 minute winter	S12	3.003	S15	17.9	0.113	0.260	3.6838	
720 minute winter	S1	5.000	S3	18.4	0.116	0.258	13.5151	
720 minute winter	S3	5.001	S2	15.5	0.144	0.219	9.1848	
720 minute winter	S2	5.002	S15	16.7	0.105	0.245	3.4165	
720 minute winter	S14	6.000	S15	21.6	0.136	0.306	11.8707	
720 minute winter	S15	3.004	S75	55.9	0.353	0.780	4.9661	
720 minute winter	S75	1.003	S92	77.5	0.489	1.090	5.3380	
720 minute winter	S87	7.000	S88	9.5	0.120	0.133	6.8747	
720 minute winter	S88	7.001	S89	13.8	0.159	0.194	6.8747	
720 minute winter	S89	7.002	S90	20.9	0.169	0.293	6.8747	
720 minute winter	S90	7.003	S92	27.7	0.180	0.393	8.6413	
720 minute winter	S92	1.005	S86	91.0	0.574	1.280	4.4095	
720 minute winter	S81	8.000	S82	7.4	0.117	0.104	6.8747	
720 minute winter	S82	8.001	S83	13.9	0.151	0.199	6.8747	
720 minute winter	S83	8.002	S84	20.9	0.149	0.293	6.8747	
720 minute winter	S84	8.003	S86	27.7	0.196	0.390	8.1975	
720 minute winter	S86	1.006	S30	98.4	0.621	1.386	4.4165	
720 minute winter	S76	9.000	S77	6.8	0.118	0.096	6.8747	
720 minute winter	S77	9.001	S78	13.9	0.151	0.194	6.8747	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S78	420	0.628	0.989	21.0	3.1778	0.0000	SURCHARGED
720 minute winter	S79	420	0.626	1.008	27.8	3.1849	0.0000	SURCHARGED
720 minute winter	S30	420	0.623	1.030	110.1	2.6218	0.0000	SURCHARGED
720 minute winter	S31	420	0.577	0.913	7.4	3.0245	0.0000	SURCHARGED
720 minute winter	S32	420	0.577	0.956	13.9	2.9518	0.0000	SURCHARGED
720 minute winter	S33	420	0.576	0.999	121.1	2.5416	0.0000	SURCHARGED
720 minute winter	S34	420	0.515	0.954	124.1	1.6858	0.0000	SURCHARGED
720 minute winter	S35	420	0.419	0.885	124.6	1.5637	0.0000	SURCHARGED
720 minute winter	S36	420	0.386	0.828	3.0	1.4633	0.0000	SURCHARGED
720 minute winter	S37	420	0.386	0.857	138.4	4.2135	0.0000	SURCHARGED
720 minute winter	S38	435	0.203	0.719	138.3	1.2698	0.0000	SURCHARGED
720 minute winter	S39	570	0.053	0.615	138.3	1.0862	0.0000	SURCHARGED
720 minute winter	S56	570	0.032	0.591	0.2	1.0445	0.0000	SURCHARGED
720 minute winter	S57	570	0.032	0.597	138.3	1.5199	0.0000	SURCHARGED
720 minute winter	S125	570	-0.011	0.544	0.9	0.9607	0.0000	SURCHARGED
720 minute winter	S127	570	-0.012	0.567	138.3	1.4439	0.0000	SURCHARGED
720 minute winter	S119	720	-0.036	0.533	1.2	0.9419	0.0000	SURCHARGED
720 minute winter	S60	720	-0.036	0.557	138.2	1.4173	0.0000	SURCHARGED
720 minute winter	Pond Inlet 1	810	-0.032	0.578	138.0	1.0205	0.0000	OK
720 minute winter	Pond Outlet	750	-0.037	0.573	69.1	0.6480	0.0000	SURCHARGED
720 minute winter	S13	750	-0.037	0.601	5.7	2.0805	0.0000	SURCHARGED
720 minute winter	Final Outfall	15	-0.740	0.000	5.7	0.0000	0.0000	OK
720 minute winter	PP-S26	450	0.683	0.183	3.4	16.8686	0.0000	OK
720 minute winter	PP-S25	450	0.683	0.183	3.2	14.7886	0.0000	OK
720 minute winter	PP-S16	450	0.683	0.183	6.2	23.2860	0.0000	OK
720 minute winter	PP-S145	450	0.682	0.182	4.4	24.1484	0.0000	OK
720 minute winter	PP-S4	450	0.680	0.180	4.4	21.5085	0.0000	OK
720 minute winter	PP-S1	450	0.682	0.182	12.6	60.9453	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S78	9.002	S79	20.9	0.150	0.300	6.8745	
720 minute winter	S79	9.003	S30	27.7	0.193	0.385	7.6907	
720 minute winter	S30	1.007	S33	110.2	0.695	1.548	5.0209	
720 minute winter	S31	10.000	S32	7.4	0.127	0.105	13.6740	
720 minute winter	S32	10.001	S33	13.9	0.139	0.194	13.6740	
720 minute winter	S33	1.008	S34	121.2	0.765	1.717	5.1108	
720 minute winter	S34	1.009	S35	124.1	0.784	1.748	8.5103	
720 minute winter	S35	1.010	S37	124.6	0.787	1.875	1.7947	
720 minute winter	S36	11.000	S37	3.0	0.041	0.042	9.1184	
720 minute winter	S37	1.011	S38	138.3	0.873	1.958	14.3287	
720 minute winter	S38	1.012	S39	138.3	0.873	1.936	14.3287	
720 minute winter	S39	1.013	S57	138.3	0.873	2.183	1.1814	
720 minute winter	S56	12.011	S57	-0.2	-0.078	-0.004	2.0645	
720 minute winter	S57	1.014	S127	138.3	0.873	1.955	4.4483	
720 minute winter	S125	21.003	S127	-0.9	-0.049	-0.013	7.8151	
720 minute winter	S127	1.015	S60	138.2	0.873	1.940	4.3871	
720 minute winter	S119	22.003	S60	-1.2	-0.136	-0.018	7.8151	
720 minute winter	S60	1.016	Pond Inlet 1	138.0	0.990	1.823	4.7280	
720 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	69.1	0.022	0.001	3160.3306	
720 minute winter	Pond Outlet	1.018	S13	5.7	0.156	0.080	0.4779	
720 minute winter	S13	Pump	Final Outfall	5.7				434.7
720 minute winter	PP-S26	1.000_1	S26	10.5	0.478	0.274	0.3717	
720 minute winter	PP-S25	2.000_1	S25	10.8	0.598	0.188	0.1858	
720 minute winter	PP-S16	3.000_1	S16	7.2	0.794	0.107	0.1858	
720 minute winter	PP-S145	4.000_2	S145	9.1	0.969	0.108	0.1853	
720 minute winter	PP-S4	1.000_2	S4	19.2	0.710	0.337	0.1847	
720 minute winter	PP-S1	4.000_1	S1	22.6	1.072	0.340	0.1853	

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Results for 100 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	PP-S5	450	0.680	0.180	9.9	25.9581	0.0000	OK
720 minute winter	PP-S12	450	0.680	0.180	4.0	17.8264	0.0000	OK
720 minute winter	PP-S14	450	0.680	0.180	17.9	90.7770	0.0000	OK
720 minute winter	PP-S2	450	0.680	0.180	4.0	18.8930	0.0000	OK
720 minute winter	PP-S15	450	0.680	0.180	1.9	9.8175	0.0000	OK
720 minute winter	PP-S75	450	0.677	0.177	7.2	10.6291	0.0000	OK
720 minute winter	PP-S24	435	0.667	0.167	4.5	21.0480	0.0000	OK
720 minute winter	PP-S30	420	0.623	0.123	1.9	6.6540	0.0000	OK
720 minute winter	PP-S33	420	0.576	0.076	2.0	3.7171	0.0000	OK
720 minute winter	PP-S34	375	0.528	0.028	3.9	1.0674	0.0000	OK
720 minute winter	PP-S35	390	0.511	0.011	0.6	0.1630	0.0000	OK
720 minute winter	PP-S36	375	0.525	0.025	3.0	0.6441	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP-S5	2.000_2	S5	9.9	0.923	0.134	0.1847	
720 minute winter	PP-S12	8.000_1	S12	18.4	0.786	0.202	0.1845	
720 minute winter	PP-S14	11.000_1	S14	22.0	1.245	0.266	0.1845	
720 minute winter	PP-S2	10.000_1	S2	16.0	0.880	0.175	0.1846	
720 minute winter	PP-S15	12.000_1	S15	23.9	0.849	0.254	0.1844	
720 minute winter	PP-S75	13.000_1	S75	-6.8	0.870	-0.069	0.1831	
720 minute winter	PP-S24	14.000_1	S92	11.8	1.162	0.115	0.1785	
720 minute winter	PP-S30	18.000_1	S30	2.5	0.923	0.023	0.1550	
720 minute winter	PP-S33	20.000_1	S33	2.1	0.986	0.018	0.1286	
720 minute winter	PP-S34	21.000_1	S34	3.9	1.228	0.033	0.1065	
720 minute winter	PP-S35	22.000_2	S35	0.6	0.714	0.005	0.0953	
720 minute winter	PP-S36	23.000_2	S36	3.0	1.185	0.025	0.0729	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 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
960 minute summer	S26	540	0.648	0.886	8.8	1.5653	0.0000	SURCHARGED
960 minute summer	S25	540	0.648	0.892	4.0	2.2697	0.0000	SURCHARGED
960 minute summer	S16	540	0.648	0.915	29.5	4.0562	0.0000	SURCHARGED
960 minute summer	S145	540	0.646	0.961	24.2	4.1397	0.0000	SURCHARGED
960 minute summer	S4	600	0.646	0.889	16.6	1.5708	0.0000	SURCHARGED
960 minute summer	S5	540	0.643	0.927	10.5	1.6385	0.0000	SURCHARGED
960 minute summer	S9	540	0.643	0.939	7.6	2.1635	0.0000	SURCHARGED
960 minute summer	S10	615	0.658	0.979	15.6	1.7296	0.0000	SURCHARGED
960 minute summer	S11	615	0.654	0.980	19.2	1.7317	0.0000	SURCHARGED
960 minute summer	S12	540	0.643	0.978	24.9	1.7279	0.0000	SURCHARGED
960 minute summer	S1	600	0.654	0.918	18.2	2.1626	0.0000	SURCHARGED
960 minute summer	S3	585	0.645	0.952	20.1	3.0446	0.0000	SURCHARGED
960 minute summer	S2	540	0.643	0.979	25.1	1.7302	0.0000	SURCHARGED
960 minute summer	S14	555	0.643	0.952	27.4	1.6828	0.0000	SURCHARGED
960 minute summer	S15	540	0.643	0.989	69.7	4.4498	0.0000	SURCHARGED
960 minute summer	S75	540	0.641	1.003	81.9	2.5527	0.0000	SURCHARGED
960 minute summer	S87	525	0.639	0.925	7.4	3.0002	0.0000	SURCHARGED
960 minute summer	S88	525	0.639	0.947	14.9	3.0872	0.0000	SURCHARGED
960 minute summer	S89	525	0.638	0.968	22.4	3.1376	0.0000	SURCHARGED
960 minute summer	S90	525	0.637	0.989	29.7	3.1489	0.0000	SURCHARGED
960 minute summer	S92	525	0.634	1.013	90.9	2.5770	0.0000	SURCHARGED
960 minute summer	S81	525	0.625	0.927	7.4	2.9946	0.0000	SURCHARGED
960 minute summer	S82	525	0.625	0.949	14.9	3.0823	0.0000	SURCHARGED
960 minute summer	S83	525	0.625	0.970	22.4	3.1301	0.0000	SURCHARGED
960 minute summer	S84	525	0.623	0.990	29.7	3.1410	0.0000	SURCHARGED
960 minute summer	S86	525	0.620	1.013	100.4	2.5787	0.0000	SURCHARGED
960 minute summer	S76	510	0.600	0.917	7.4	2.9492	0.0000	SURCHARGED
960 minute summer	S77	510	0.600	0.939	14.9	3.0362	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S26	1.000	S16	8.5	0.054	0.121	9.2005	
960 minute summer	S25	2.000	S16	10.7	0.067	0.151	7.3393	
960 minute summer	S16	1.001	S145	16.2	0.141	0.227	15.0038	
960 minute summer	S145	1.002	S75	34.1	0.215	0.483	15.0038	
960 minute summer	S4	3.000	S5	6.7	0.083	0.095	13.1095	
960 minute summer	S5	3.001	S11	19.2	0.121	0.269	13.1095	
960 minute summer	S9	4.000	S10	12.2	0.111	0.173	8.0648	
960 minute summer	S10	4.001	S11	-3.4	0.094	-0.045	1.3780	
960 minute summer	S11	3.002	S12	18.7	0.118	0.265	2.8740	
960 minute summer	S12	3.003	S15	30.3	0.192	0.441	3.6838	
960 minute summer	S1	5.000	S3	18.3	0.115	0.257	13.5151	
960 minute summer	S3	5.001	S2	20.6	0.145	0.290	9.1848	
960 minute summer	S2	5.002	S15	23.1	0.146	0.339	3.4165	
960 minute summer	S14	6.000	S15	18.2	0.115	0.259	11.8707	
960 minute summer	S15	3.004	S75	57.6	0.364	0.804	4.9661	
960 minute summer	S75	1.003	S92	82.0	0.518	1.152	5.3380	
960 minute summer	S87	7.000	S88	7.3	0.111	0.102	6.8747	
960 minute summer	S88	7.001	S89	14.8	0.154	0.208	6.8747	
960 minute summer	S89	7.002	S90	22.3	0.176	0.313	6.8747	
960 minute summer	S90	7.003	S92	29.6	0.193	0.420	8.6413	
960 minute summer	S92	1.005	S86	94.7	0.598	1.333	4.4095	
960 minute summer	S81	8.000	S82	7.3	0.108	0.102	6.8747	
960 minute summer	S82	8.001	S83	14.8	0.152	0.213	6.8747	
960 minute summer	S83	8.002	S84	22.3	0.169	0.313	6.8747	
960 minute summer	S84	8.003	S86	29.6	0.205	0.417	8.1975	
960 minute summer	S86	1.006	S30	101.7	0.642	1.432	4.4165	
960 minute summer	S76	9.000	S77	7.3	0.109	0.102	6.8747	
960 minute summer	S77	9.001	S78	14.8	0.152	0.208	6.8747	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 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
960 minute summer	S78	525	0.599	0.960	22.4	3.0864	0.0000	SURCHARGED
960 minute summer	S79	525	0.598	0.980	29.7	3.0954	0.0000	SURCHARGED
960 minute summer	S30	525	0.595	1.002	111.0	2.5502	0.0000	SURCHARGED
960 minute summer	S31	510	0.551	0.887	7.9	2.9379	0.0000	SURCHARGED
960 minute summer	S32	510	0.551	0.930	14.9	2.8707	0.0000	SURCHARGED
960 minute summer	S33	510	0.549	0.972	120.3	2.4741	0.0000	SURCHARGED
960 minute summer	S34	510	0.491	0.930	123.3	1.6427	0.0000	SURCHARGED
960 minute summer	S35	510	0.397	0.863	123.8	1.5250	0.0000	SURCHARGED
960 minute summer	S36	510	0.365	0.807	3.2	1.4260	0.0000	SURCHARGED
960 minute summer	S37	510	0.365	0.836	137.7	4.1096	0.0000	SURCHARGED
960 minute summer	S38	510	0.179	0.695	137.6	1.2287	0.0000	SURCHARGED
960 minute summer	S39	645	0.005	0.567	137.6	1.0025	0.0000	SURCHARGED
960 minute summer	S56	645	-0.016	0.543	0.8	0.9589	0.0000	SURCHARGED
960 minute summer	S57	645	-0.017	0.548	137.6	1.3959	0.0000	SURCHARGED
960 minute summer	S125	645	-0.065	0.490	0.7	0.8664	0.0000	SURCHARGED
960 minute summer	S127	645	-0.064	0.515	137.5	1.3105	0.0000	SURCHARGED
960 minute summer	S119	990	-0.063	0.506	0.9	0.8943	0.0000	SURCHARGED
960 minute summer	S60	1305	-0.065	0.528	137.5	1.3431	0.0000	SURCHARGED
960 minute summer	Pond Inlet 1	1005	-0.061	0.549	137.4	0.9696	0.0000	OK
960 minute summer	Pond Outlet	2370	-0.066	0.544	68.8	0.6156	0.0000	SURCHARGED
960 minute summer	S13	2295	-0.066	0.572	0.2	1.9826	0.0000	SURCHARGED
960 minute summer	Final Outfall	15	-0.740	0.000	0.0	0.0000	0.0000	OK
960 minute summer	PP-S26	540	0.648	0.148	4.6	13.0097	0.0000	OK
960 minute summer	PP-S25	540	0.648	0.148	3.7	11.4759	0.0000	OK
960 minute summer	PP-S16	540	0.648	0.148	5.4	17.2833	0.0000	OK
960 minute summer	PP-S145	540	0.646	0.146	13.6	17.8324	0.0000	OK
960 minute summer	PP-S4	540	0.643	0.143	11.9	15.6944	0.0000	OK
960 minute summer	PP-S1	540	0.644	0.144	14.6	47.7459	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S78	9.002	S79	22.3	0.172	0.320	6.8745	
960 minute summer	S79	9.003	S30	29.6	0.196	0.412	7.6907	
960 minute summer	S30	1.007	S33	110.6	0.698	1.554	5.0209	
960 minute summer	S31	10.000	S32	7.9	0.121	0.111	13.6740	
960 minute summer	S32	10.001	S33	14.8	0.167	0.207	13.6740	
960 minute summer	S33	1.008	S34	120.3	0.759	1.705	5.1108	
960 minute summer	S34	1.009	S35	123.3	0.778	1.736	8.5103	
960 minute summer	S35	1.010	S37	123.8	0.782	1.864	1.7947	
960 minute summer	S36	11.000	S37	3.1	0.049	0.044	9.1184	
960 minute summer	S37	1.011	S38	137.6	0.869	1.948	14.3287	
960 minute summer	S38	1.012	S39	137.6	0.868	1.925	14.3287	
960 minute summer	S39	1.013	S57	137.6	0.868	2.171	1.1814	
960 minute summer	S56	12.011	S57	-0.8	-0.134	-0.011	2.0645	
960 minute summer	S57	1.014	S127	137.5	0.868	1.944	4.4483	
960 minute summer	S125	21.003	S127	-0.7	-0.028	-0.009	7.8151	
960 minute summer	S127	1.015	S60	137.5	0.873	1.930	4.3871	
960 minute summer	S119	22.003	S60	-0.9	-0.068	-0.013	7.8151	
960 minute summer	S60	1.016	Pond Inlet 1	137.4	0.977	1.814	4.7280	
960 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	68.8	0.018	0.001	2989.3508	
960 minute summer	Pond Outlet	1.018	S13	0.2	0.158	0.003	0.4779	
960 minute summer	S13	Pump	Final Outfall	0.0				0.0
960 minute summer	PP-S26	1.000_1	S26	8.2	0.481	0.214	0.3269	
960 minute summer	PP-S25	2.000_1	S25	4.0	0.606	0.069	0.1653	
960 minute summer	PP-S16	3.000_1	S16	16.1	0.810	0.238	0.1685	
960 minute summer	PP-S145	4.000_2	S145	-12.4	0.993	-0.147	0.1678	
960 minute summer	PP-S4	1.000_2	S4	16.6	0.701	0.291	0.1612	
960 minute summer	PP-S1	4.000_1	S1	17.3	0.970	0.261	0.1667	

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Results for 100 year +40% CC 960 minute summer. 2400 minute analysis at 15 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
960 minute summer	PP-S5	540	0.643	0.143	6.1	18.5784	0.0000	OK
960 minute summer	PP-S12	540	0.643	0.143	5.3	13.7046	0.0000	OK
960 minute summer	PP-S14	555	0.644	0.144	18.1	67.6185	0.0000	OK
960 minute summer	PP-S2	540	0.643	0.143	6.5	14.7179	0.0000	OK
960 minute summer	PP-S15	540	0.643	0.143	3.7	7.6046	0.0000	OK
960 minute summer	PP-S75	540	0.641	0.141	4.3	8.2902	0.0000	OK
960 minute summer	PP-S24	525	0.634	0.134	6.7	15.7811	0.0000	OK
960 minute summer	PP-S30	525	0.595	0.095	2.9	4.9590	0.0000	OK
960 minute summer	PP-S33	510	0.549	0.049	2.1	2.0593	0.0000	OK
960 minute summer	PP-S34	495	0.529	0.029	4.1	1.1179	0.0000	OK
960 minute summer	PP-S35	510	0.511	0.011	0.6	0.1630	0.0000	OK
960 minute summer	PP-S36	495	0.525	0.025	3.2	0.6826	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP-S5	2.000_2	S5	9.0	0.944	0.121	0.1661	
960 minute summer	PP-S12	8.000_1	S12	6.2	0.806	0.068	0.1659	
960 minute summer	PP-S14	11.000_1	S14	27.4	1.156	0.331	0.1663	
960 minute summer	PP-S2	10.000_1	S2	6.6	0.901	0.072	0.1661	
960 minute summer	PP-S15	12.000_1	S15	7.2	0.863	0.076	0.1658	
960 minute summer	PP-S75	13.000_1	S75	6.5	0.889	0.065	0.1649	
960 minute summer	PP-S24	14.000_1	S92	6.7	1.190	0.065	0.1608	
960 minute summer	PP-S30	18.000_1	S30	2.5	0.945	0.022	0.1392	
960 minute summer	PP-S33	20.000_1	S33	2.1	1.006	0.018	0.1153	
960 minute summer	PP-S34	21.000_1	S34	4.1	1.258	0.035	0.1067	
960 minute summer	PP-S35	22.000_2	S35	0.6	0.748	0.005	0.0866	
960 minute summer	PP-S36	23.000_2	S36	3.2	1.167	0.027	0.0618	

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Results for 100 year +40% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S26	540	0.612	0.850	9.4	1.5023	0.0000	SURCHARGED
960 minute winter	S25	570	0.611	0.855	8.3	2.1772	0.0000	SURCHARGED
960 minute winter	S16	570	0.608	0.875	21.9	3.8809	0.0000	SURCHARGED
960 minute winter	S145	600	0.626	0.941	43.3	4.0502	0.0000	SURCHARGED
960 minute winter	S4	540	0.612	0.855	12.4	1.5112	0.0000	SURCHARGED
960 minute winter	S5	570	0.661	0.945	22.6	1.6696	0.0000	SURCHARGED
960 minute winter	S9	630	0.615	0.911	13.5	2.1001	0.0000	SURCHARGED
960 minute winter	S10	600	0.625	0.946	8.0	1.6723	0.0000	SURCHARGED
960 minute winter	S11	600	0.622	0.948	12.6	1.6758	0.0000	SURCHARGED
960 minute winter	S12	600	0.616	0.951	22.9	1.6810	0.0000	SURCHARGED
960 minute winter	S1	585	0.649	0.913	20.3	2.1501	0.0000	SURCHARGED
960 minute winter	S3	570	0.609	0.916	19.6	2.9290	0.0000	SURCHARGED
960 minute winter	S2	570	0.614	0.950	23.2	1.6785	0.0000	SURCHARGED
960 minute winter	S14	615	0.659	0.968	19.8	1.7103	0.0000	SURCHARGED
960 minute winter	S15	600	0.612	0.958	56.5	4.3124	0.0000	SURCHARGED
960 minute winter	S75	570	0.617	0.979	68.0	2.4921	0.0000	SURCHARGED
960 minute winter	S87	585	0.615	0.901	5.5	2.9234	0.0000	SURCHARGED
960 minute winter	S88	540	0.595	0.903	12.1	2.9456	0.0000	SURCHARGED
960 minute winter	S89	585	0.604	0.934	18.4	3.0263	0.0000	SURCHARGED
960 minute winter	S90	585	0.608	0.960	24.2	3.0583	0.0000	SURCHARGED
960 minute winter	S92	555	0.594	0.973	79.2	2.4763	0.0000	SURCHARGED
960 minute winter	S81	585	0.589	0.891	5.5	2.8776	0.0000	SURCHARGED
960 minute winter	S82	555	0.576	0.900	12.2	2.9214	0.0000	SURCHARGED
960 minute winter	S83	585	0.582	0.927	17.5	2.9927	0.0000	SURCHARGED
960 minute winter	S84	585	0.586	0.953	23.1	3.0216	0.0000	SURCHARGED
960 minute winter	S86	540	0.576	0.969	94.0	2.4656	0.0000	SURCHARGED
960 minute winter	S76	585	0.554	0.871	5.5	2.8010	0.0000	SURCHARGED
960 minute winter	S77	525	0.550	0.889	11.8	2.8729	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S26	1.000	S16	6.2	0.041	0.088	9.2005	
960 minute winter	S25	2.000	S16	6.2	0.039	0.088	7.3393	
960 minute winter	S16	1.001	S145	19.9	0.144	0.279	15.0038	
960 minute winter	S145	1.002	S75	25.1	0.174	0.355	15.0038	
960 minute winter	S4	3.000	S5	6.1	0.091	0.086	13.1095	
960 minute winter	S5	3.001	S11	10.7	0.122	0.149	13.1095	
960 minute winter	S9	4.000	S10	-12.5	0.102	-0.178	8.0648	
960 minute winter	S10	4.001	S11	5.1	0.070	0.068	1.3780	
960 minute winter	S11	3.002	S12	17.4	0.110	0.247	2.8740	
960 minute winter	S12	3.003	S15	32.4	0.204	0.470	3.6838	
960 minute winter	S1	5.000	S3	14.8	0.101	0.207	13.5151	
960 minute winter	S3	5.001	S2	14.3	0.137	0.201	9.1848	
960 minute winter	S2	5.002	S15	24.3	0.153	0.357	3.4165	
960 minute winter	S14	6.000	S15	9.0	0.057	0.127	11.8707	
960 minute winter	S15	3.004	S75	49.7	0.314	0.695	4.9661	
960 minute winter	S75	1.003	S92	68.6	0.433	0.964	5.3380	
960 minute winter	S87	7.000	S88	6.9	0.112	0.097	6.8747	
960 minute winter	S88	7.001	S89	12.8	0.148	0.179	6.8747	
960 minute winter	S89	7.002	S90	18.7	0.175	0.262	6.8747	
960 minute winter	S90	7.003	S92	24.7	0.156	0.351	8.6413	
960 minute winter	S92	1.005	S86	83.2	0.525	1.171	4.4095	
960 minute winter	S81	8.000	S82	6.6	0.106	0.093	6.8747	
960 minute winter	S82	8.001	S83	11.9	0.146	0.171	6.8747	
960 minute winter	S83	8.002	S84	17.6	0.170	0.247	6.8747	
960 minute winter	S84	8.003	S86	23.3	0.147	0.328	8.1975	
960 minute winter	S86	1.006	S30	91.9	0.580	1.294	4.4165	
960 minute winter	S76	9.000	S77	6.2	0.106	0.087	6.8747	
960 minute winter	S77	9.001	S78	12.2	0.147	0.171	6.8747	

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Results for 100 year +40% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S78	585	0.551	0.912	17.7	2.9314	0.0000	SURCHARGED
960 minute winter	S79	570	0.550	0.932	23.2	2.9450	0.0000	SURCHARGED
960 minute winter	S30	540	0.548	0.955	106.4	2.4292	0.0000	SURCHARGED
960 minute winter	S31	540	0.502	0.838	5.9	2.7752	0.0000	SURCHARGED
960 minute winter	S32	585	0.501	0.880	11.3	2.7177	0.0000	SURCHARGED
960 minute winter	S33	540	0.501	0.924	115.9	2.3527	0.0000	SURCHARGED
960 minute winter	S34	585	0.449	0.888	119.4	1.5697	0.0000	SURCHARGED
960 minute winter	S35	585	0.360	0.826	119.6	1.4589	0.0000	SURCHARGED
960 minute winter	S36	585	0.333	0.775	2.4	1.3691	0.0000	SURCHARGED
960 minute winter	S37	585	0.330	0.801	131.7	3.9380	0.0000	SURCHARGED
960 minute winter	S38	585	0.181	0.697	131.4	1.2322	0.0000	SURCHARGED
960 minute winter	S39	660	0.050	0.612	131.7	1.0814	0.0000	SURCHARGED
960 minute winter	S56	660	0.029	0.588	0.3	1.0385	0.0000	SURCHARGED
960 minute winter	S57	660	0.029	0.594	131.7	1.5110	0.0000	SURCHARGED
960 minute winter	S125	945	-0.013	0.542	0.6	0.9579	0.0000	SURCHARGED
960 minute winter	S127	930	-0.013	0.566	131.6	1.4399	0.0000	SURCHARGED
960 minute winter	S119	945	-0.014	0.555	0.6	0.9806	0.0000	SURCHARGED
960 minute winter	S60	975	-0.014	0.579	131.5	1.4745	0.0000	SURCHARGED
960 minute winter	Pond Inlet 1	1035	-0.010	0.600	131.4	1.0600	0.0000	OK
960 minute winter	Pond Outlet	975	-0.015	0.595	65.8	0.6732	0.0000	SURCHARGED
960 minute winter	S13	975	-0.015	0.623	6.1	2.1575	0.0000	SURCHARGED
960 minute winter	Final Outfall	15	-0.740	0.000	6.1	0.0000	0.0000	OK
960 minute winter	PP-S26	570	0.605	0.105	4.2	8.2635	0.0000	OK
960 minute winter	PP-S25	585	0.604	0.104	4.2	7.3185	0.0000	OK
960 minute winter	PP-S16	570	0.604	0.104	6.2	9.8529	0.0000	OK
960 minute winter	PP-S145	540	0.595	0.095	8.2	8.6614	0.0000	OK
960 minute winter	PP-S4	585	0.603	0.103	6.5	9.3710	0.0000	OK
960 minute winter	PP-S1	585	0.597	0.097	14.9	31.0246	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	S78	9.002	S79	17.9	0.164	0.256	6.8745	
960 minute winter	S79	9.003	S30	22.9	0.145	0.319	7.6907	
960 minute winter	S30	1.007	S33	105.9	0.668	1.488	5.0209	
960 minute winter	S31	10.000	S32	6.3	0.121	0.089	13.6740	
960 minute winter	S32	10.001	S33	11.1	0.105	0.156	13.6740	
960 minute winter	S33	1.008	S34	116.5	0.735	1.651	5.1108	
960 minute winter	S34	1.009	S35	119.1	0.752	1.677	8.5103	
960 minute winter	S35	1.010	S37	119.3	0.753	1.796	1.7947	
960 minute winter	S36	11.000	S37	2.6	0.041	0.036	9.1184	
960 minute winter	S37	1.011	S38	131.4	0.830	1.860	14.3287	
960 minute winter	S38	1.012	S39	131.7	0.831	1.843	14.3287	
960 minute winter	S39	1.013	S57	131.7	0.831	2.079	1.1814	
960 minute winter	S56	12.011	S57	0.3	-0.018	0.004	2.0645	
960 minute winter	S57	1.014	S127	131.6	0.831	1.860	4.4483	
960 minute winter	S125	21.003	S127	-0.6	-0.101	-0.009	7.8151	
960 minute winter	S127	1.015	S60	131.5	0.841	1.846	4.3871	
960 minute winter	S119	22.003	S60	-0.6	-0.025	-0.008	7.8151	
960 minute winter	S60	1.016	Pond Inlet 1	131.4	0.944	1.735	4.7280	
960 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	65.8	0.020	0.001	3295.1897	
960 minute winter	Pond Outlet	1.018	S13	6.1	0.140	0.085	0.4779	
960 minute winter	S13	Pump	Final Outfall	6.1				513.4
960 minute winter	PP-S26	1.000_1	S26	6.6	0.464	0.172	0.2442	
960 minute winter	PP-S25	2.000_1	S25	8.3	0.590	0.145	0.1263	
960 minute winter	PP-S16	3.000_1	S16	15.4	0.785	0.228	0.1355	
960 minute winter	PP-S145	4.000_2	S145	23.0	0.955	0.273	0.1394	
960 minute winter	PP-S4	1.000_2	S4	11.2	0.678	0.196	0.1216	
960 minute winter	PP-S1	4.000_1	S1	18.9	0.952	0.285	0.1405	

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Results for 100 year +40% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP-S5	585	0.603	0.103	10.8	10.5643	0.0000	OK
960 minute winter	PP-S12	585	0.602	0.102	7.4	9.2082	0.0000	OK
960 minute winter	PP-S14	570	0.600	0.100	7.7	40.1045	0.0000	OK
960 minute winter	PP-S2	585	0.601	0.101	11.2	9.9521	0.0000	OK
960 minute winter	PP-S15	585	0.600	0.100	10.0	5.0436	0.0000	OK
960 minute winter	PP-S75	585	0.601	0.101	11.5	5.6751	0.0000	OK
960 minute winter	PP-S24	555	0.587	0.087	8.1	8.4923	0.0000	OK
960 minute winter	PP-S30	540	0.545	0.045	3.2	1.9772	0.0000	OK
960 minute winter	PP-S33	495	0.519	0.019	1.6	0.3518	0.0000	OK
960 minute winter	PP-S34	495	0.525	0.025	3.1	0.8659	0.0000	OK
960 minute winter	PP-S35	510	0.511	0.011	0.5	0.1389	0.0000	OK
960 minute winter	PP-S36	495	0.522	0.022	2.4	0.5226	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	PP-S5	2.000_2	S5	14.4	0.912	0.195	0.1410	
960 minute winter	PP-S12	8.000_1	S12	20.2	0.764	0.222	0.1434	
960 minute winter	PP-S14	11.000_1	S14	19.8	0.988	0.239	0.1411	
960 minute winter	PP-S2	10.000_1	S2	17.0	0.859	0.186	0.1426	
960 minute winter	PP-S15	12.000_1	S15	19.8	0.829	0.211	0.1419	
960 minute winter	PP-S75	13.000_1	S75	-10.7	0.834	-0.109	0.1426	
960 minute winter	PP-S24	14.000_1	S92	22.6	1.126	0.221	0.1349	
960 minute winter	PP-S30	18.000_1	S30	4.3	0.889	0.038	0.1136	
960 minute winter	PP-S33	20.000_1	S33	1.6	0.947	0.014	0.1033	
960 minute winter	PP-S34	21.000_1	S34	3.1	1.210	0.026	0.0999	
960 minute winter	PP-S35	22.000_2	S35	0.5	0.715	0.004	0.0670	
960 minute winter	PP-S36	23.000_2	S36	2.4	1.130	0.020	0.0421	

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Results for 100 year +40% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S26	780	0.566	0.804	1.5	1.4206	0.0000	SURCHARGED
1440 minute summer	S25	780	0.571	0.815	3.0	2.0731	0.0000	SURCHARGED
1440 minute summer	S16	780	0.564	0.831	14.0	3.6848	0.0000	SURCHARGED
1440 minute summer	S145	780	0.560	0.875	25.9	3.7677	0.0000	SURCHARGED
1440 minute summer	S4	780	0.556	0.799	8.8	1.4112	0.0000	SURCHARGED
1440 minute summer	S5	810	0.559	0.843	7.6	1.4891	0.0000	SURCHARGED
1440 minute summer	S9	780	0.547	0.843	3.1	1.9427	0.0000	SURCHARGED
1440 minute summer	S10	780	0.559	0.880	2.0	1.5543	0.0000	SURCHARGED
1440 minute summer	S11	780	0.560	0.886	6.7	1.5653	0.0000	SURCHARGED
1440 minute summer	S12	780	0.562	0.897	14.4	1.5854	0.0000	SURCHARGED
1440 minute summer	S1	780	0.582	0.846	9.1	1.9922	0.0000	SURCHARGED
1440 minute summer	S3	780	0.577	0.884	12.1	2.8274	0.0000	SURCHARGED
1440 minute summer	S2	780	0.562	0.898	22.9	1.5875	0.0000	SURCHARGED
1440 minute summer	S14	780	0.562	0.871	7.9	1.5384	0.0000	SURCHARGED
1440 minute summer	S15	780	0.563	0.909	38.2	4.0896	0.0000	SURCHARGED
1440 minute summer	S75	780	0.559	0.921	56.9	2.3438	0.0000	SURCHARGED
1440 minute summer	S87	780	0.549	0.835	5.1	2.7083	0.0000	SURCHARGED
1440 minute summer	S88	780	0.555	0.863	11.2	2.8155	0.0000	SURCHARGED
1440 minute summer	S89	780	0.551	0.881	16.8	2.8547	0.0000	SURCHARGED
1440 minute summer	S90	780	0.550	0.902	21.8	2.8735	0.0000	SURCHARGED
1440 minute summer	S92	780	0.550	0.929	73.5	2.3638	0.0000	SURCHARGED
1440 minute summer	S81	750	0.534	0.836	5.1	2.7003	0.0000	SURCHARGED
1440 minute summer	S82	780	0.535	0.859	11.0	2.7903	0.0000	SURCHARGED
1440 minute summer	S83	780	0.533	0.878	16.6	2.8340	0.0000	SURCHARGED
1440 minute summer	S84	780	0.533	0.900	21.6	2.8536	0.0000	SURCHARGED
1440 minute summer	S86	780	0.533	0.926	88.5	2.3559	0.0000	SURCHARGED
1440 minute summer	S76	750	0.512	0.829	5.1	2.6643	0.0000	SURCHARGED
1440 minute summer	S77	750	0.510	0.849	10.5	2.7460	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S26	1.000	S16	1.7	0.050	0.025	9.2005	
1440 minute summer	S25	2.000	S16	7.8	0.049	0.110	7.3393	
1440 minute summer	S16	1.001	S145	13.0	0.126	0.182	15.0038	
1440 minute summer	S145	1.002	S75	22.5	0.158	0.319	15.0038	
1440 minute summer	S4	3.000	S5	7.3	0.071	0.104	13.1095	
1440 minute summer	S5	3.001	S11	6.6	0.107	0.092	13.1095	
1440 minute summer	S9	4.000	S10	2.0	0.076	0.028	8.0648	
1440 minute summer	S10	4.001	S11	2.3	0.014	0.030	1.3780	
1440 minute summer	S11	3.002	S12	7.6	0.048	0.107	2.8740	
1440 minute summer	S12	3.003	S15	15.3	0.096	0.222	3.6838	
1440 minute summer	S1	5.000	S3	8.6	0.095	0.121	13.5151	
1440 minute summer	S3	5.001	S2	15.1	0.124	0.213	9.1848	
1440 minute summer	S2	5.002	S15	23.6	0.149	0.346	3.4165	
1440 minute summer	S14	6.000	S15	6.4	-0.046	0.091	11.8707	
1440 minute summer	S15	3.004	S75	35.1	0.221	0.490	4.9661	
1440 minute summer	S75	1.003	S92	55.5	0.350	0.779	5.3380	
1440 minute summer	S87	7.000	S88	5.9	0.103	0.082	6.8747	
1440 minute summer	S88	7.001	S89	11.5	0.140	0.162	6.8747	
1440 minute summer	S89	7.002	S90	16.7	0.150	0.234	6.8747	
1440 minute summer	S90	7.003	S92	21.5	0.136	0.305	8.6413	
1440 minute summer	S92	1.005	S86	73.9	0.467	1.040	4.4095	
1440 minute summer	S81	8.000	S82	5.7	0.102	0.079	6.8747	
1440 minute summer	S82	8.001	S83	11.3	0.136	0.163	6.8747	
1440 minute summer	S83	8.002	S84	16.5	0.133	0.231	6.8747	
1440 minute summer	S84	8.003	S86	21.2	0.134	0.299	8.1975	
1440 minute summer	S86	1.006	S30	88.9	0.561	1.252	4.4165	
1440 minute summer	S76	9.000	S77	5.2	0.103	0.073	6.8747	
1440 minute summer	S77	9.001	S78	10.7	0.132	0.150	6.8747	

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Results for 100 year +40% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S78	750	0.508	0.869	16.0	2.7935	0.0000	SURCHARGED
1440 minute summer	S79	750	0.506	0.888	21.2	2.8058	0.0000	SURCHARGED
1440 minute summer	S30	780	0.505	0.912	104.8	2.3201	0.0000	SURCHARGED
1440 minute summer	S31	750	0.464	0.800	5.5	2.6511	0.0000	SURCHARGED
1440 minute summer	S32	750	0.463	0.842	10.5	2.5999	0.0000	SURCHARGED
1440 minute summer	S33	750	0.461	0.884	114.6	2.2505	0.0000	SURCHARGED
1440 minute summer	S34	750	0.407	0.846	117.3	1.4946	0.0000	SURCHARGED
1440 minute summer	S35	750	0.322	0.788	117.7	1.3927	0.0000	SURCHARGED
1440 minute summer	S36	750	0.293	0.735	2.2	1.2994	0.0000	SURCHARGED
1440 minute summer	S37	750	0.293	0.764	129.2	3.7562	0.0000	SURCHARGED
1440 minute summer	S38	780	0.131	0.647	129.3	1.1424	0.0000	SURCHARGED
1440 minute summer	S39	810	-0.020	0.542	129.3	0.9583	0.0000	SURCHARGED
1440 minute summer	S56	1470	-0.036	0.523	0.2	0.9238	0.0000	SURCHARGED
1440 minute summer	S57	1470	-0.036	0.529	129.2	1.3460	0.0000	SURCHARGED
1440 minute summer	S125	1470	-0.035	0.520	0.6	0.9187	0.0000	SURCHARGED
1440 minute summer	S127	1470	-0.036	0.543	129.2	1.3827	0.0000	SURCHARGED
1440 minute summer	S119	1470	-0.034	0.535	0.6	0.9449	0.0000	SURCHARGED
1440 minute summer	S60	1470	-0.035	0.558	129.2	1.4193	0.0000	SURCHARGED
1440 minute summer	Pond Inlet 1	1530	-0.033	0.577	129.0	1.0203	0.0000	OK
1440 minute summer	Pond Outlet	1470	-0.037	0.573	64.5	0.6480	0.0000	SURCHARGED
1440 minute summer	S13	1470	-0.037	0.601	5.7	2.0805	0.0000	SURCHARGED
1440 minute summer	Final Outfall	30	-0.740	0.000	5.7	0.0000	0.0000	OK
1440 minute summer	PP-S26	780	0.563	0.063	3.7	3.6652	0.0000	OK
1440 minute summer	PP-S25	780	0.565	0.065	2.2	3.6273	0.0000	OK
1440 minute summer	PP-S16	780	0.553	0.053	5.3	2.5785	0.0000	OK
1440 minute summer	PP-S145	780	0.563	0.063	2.9	3.8637	0.0000	OK
1440 minute summer	PP-S4	780	0.555	0.055	2.3	2.8012	0.0000	OK
1440 minute summer	PP-S1	780	0.555	0.055	8.8	16.0574	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S78	9.002	S79	16.1	0.119	0.232	6.8745	
1440 minute summer	S79	9.003	S30	21.2	0.134	0.294	7.6907	
1440 minute summer	S30	1.007	S33	104.9	0.662	1.473	5.0209	
1440 minute summer	S31	10.000	S32	5.6	0.102	0.079	13.6740	
1440 minute summer	S32	10.001	S33	10.5	0.066	0.147	13.6740	
1440 minute summer	S33	1.008	S34	114.6	0.724	1.625	5.1108	
1440 minute summer	S34	1.009	S35	117.3	0.740	1.651	8.5103	
1440 minute summer	S35	1.010	S37	117.8	0.743	1.772	1.7947	
1440 minute summer	S36	11.000	S37	2.2	-0.044	0.031	9.1184	
1440 minute summer	S37	1.011	S38	129.3	0.816	1.830	14.3287	
1440 minute summer	S38	1.012	S39	129.3	0.816	1.809	14.3287	
1440 minute summer	S39	1.013	S57	129.2	0.816	2.040	1.1814	
1440 minute summer	S56	12.011	S57	-0.2	-0.061	-0.003	2.0645	
1440 minute summer	S57	1.014	S127	129.2	0.815	1.826	4.4483	
1440 minute summer	S125	21.003	S127	-0.6	-0.010	-0.008	7.8151	
1440 minute summer	S127	1.015	S60	129.2	0.825	1.813	4.3871	
1440 minute summer	S119	22.003	S60	-0.6	-0.013	-0.009	7.8151	
1440 minute summer	S60	1.016	Pond Inlet 1	129.0	0.895	1.703	4.7280	
1440 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	64.5	0.016	0.001	3160.2114	
1440 minute summer	Pond Outlet	1.018	S13	5.7	0.147	0.080	0.4779	
1440 minute summer	S13	Pump	Final Outfall	5.7				432.3
1440 minute summer	PP-S26	1.000_1	S26	-2.3	0.473	-0.059	0.1545	
1440 minute summer	PP-S25	2.000_1	S25	3.0	0.598	0.052	0.0840	
1440 minute summer	PP-S16	3.000_1	S16	8.2	0.795	0.122	0.0869	
1440 minute summer	PP-S145	4.000_2	S145	8.0	0.918	0.094	0.1127	
1440 minute summer	PP-S4	1.000_2	S4	7.4	0.687	0.129	0.0703	
1440 minute summer	PP-S1	4.000_1	S1	7.7	0.960	0.117	0.0958	

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Results for 100 year +40% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP-S5	780	0.560	0.060	6.0	3.5969	0.0000	OK
1440 minute summer	PP-S12	750	0.552	0.052	6.3	3.5325	0.0000	OK
1440 minute summer	PP-S14	780	0.558	0.058	5.2	14.1340	0.0000	OK
1440 minute summer	PP-S2	780	0.557	0.057	3.7	5.0338	0.0000	OK
1440 minute summer	PP-S15	780	0.558	0.058	5.6	2.5767	0.0000	OK
1440 minute summer	PP-S75	780	0.555	0.055	5.5	2.6528	0.0000	OK
1440 minute summer	PP-S24	780	0.541	0.041	6.8	2.0157	0.0000	OK
1440 minute summer	PP-S30	750	0.517	0.017	1.3	0.3634	0.0000	OK
1440 minute summer	PP-S33	750	0.518	0.018	1.5	0.3317	0.0000	OK
1440 minute summer	PP-S34	720	0.524	0.024	2.9	0.8228	0.0000	OK
1440 minute summer	PP-S35	720	0.510	0.010	0.4	0.1160	0.0000	OK
1440 minute summer	PP-S36	720	0.522	0.022	2.2	0.4933	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP-S5	2.000_2	S5	7.6	0.926	0.103	0.0958	
1440 minute summer	PP-S12	8.000_1	S12	8.7	0.742	0.096	0.1127	
1440 minute summer	PP-S14	11.000_1	S14	7.9	0.574	0.096	0.1085	
1440 minute summer	PP-S2	10.000_1	S2	9.2	0.837	0.101	0.1178	
1440 minute summer	PP-S15	12.000_1	S15	7.2	0.808	0.077	0.1198	
1440 minute summer	PP-S75	13.000_1	S75	-4.4	0.812	-0.045	0.1181	
1440 minute summer	PP-S24	14.000_1	S92	7.1	1.101	0.069	0.1117	
1440 minute summer	PP-S30	18.000_1	S30	1.3	0.882	0.012	0.1029	
1440 minute summer	PP-S33	20.000_1	S33	1.5	0.924	0.013	0.0971	
1440 minute summer	PP-S34	21.000_1	S34	2.9	1.164	0.025	0.0827	
1440 minute summer	PP-S35	22.000_2	S35	0.4	0.715	0.003	0.0463	
1440 minute summer	PP-S36	23.000_2	S36	2.2	1.143	0.018	0.0222	

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Results for 100 year +40% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S26	780	0.369	0.607	1.2	1.0730	0.0000	SURCHARGED
1440 minute winter	S25	780	0.369	0.613	1.1	1.5603	0.0000	SURCHARGED
1440 minute winter	S16	780	0.369	0.636	9.0	2.8208	0.0000	SURCHARGED
1440 minute winter	S145	780	0.368	0.683	17.8	2.9426	0.0000	SURCHARGED
1440 minute winter	S4	780	0.368	0.611	1.7	1.0796	0.0000	SURCHARGED
1440 minute winter	S5	780	0.368	0.652	4.1	1.1519	0.0000	SURCHARGED
1440 minute winter	S9	780	0.368	0.664	1.4	1.5294	0.0000	SURCHARGED
1440 minute winter	S10	780	0.368	0.689	1.4	1.2171	0.0000	SURCHARGED
1440 minute winter	S11	780	0.368	0.694	5.6	1.2259	0.0000	SURCHARGED
1440 minute winter	S12	780	0.368	0.703	6.5	1.2416	0.0000	SURCHARGED
1440 minute winter	S1	780	0.369	0.633	5.7	1.4903	0.0000	SURCHARGED
1440 minute winter	S3	780	0.369	0.676	9.5	2.1603	0.0000	SURCHARGED
1440 minute winter	S2	780	0.368	0.704	10.8	1.2438	0.0000	SURCHARGED
1440 minute winter	S14	780	0.368	0.677	0.5	1.1954	0.0000	SURCHARGED
1440 minute winter	S15	780	0.368	0.714	23.5	3.2117	0.0000	SURCHARGED
1440 minute winter	S75	780	0.365	0.727	42.0	1.8509	0.0000	SURCHARGED
1440 minute winter	S87	780	0.360	0.646	3.9	2.0962	0.0000	SURCHARGED
1440 minute winter	S88	780	0.360	0.668	7.8	2.1787	0.0000	SURCHARGED
1440 minute winter	S89	780	0.360	0.690	11.7	2.2357	0.0000	SURCHARGED
1440 minute winter	S90	780	0.359	0.711	15.5	2.2650	0.0000	SURCHARGED
1440 minute winter	S92	780	0.358	0.737	59.5	1.8750	0.0000	SURCHARGED
1440 minute winter	S81	780	0.347	0.649	3.9	2.0954	0.0000	SURCHARGED
1440 minute winter	S82	780	0.347	0.671	7.8	2.1783	0.0000	SURCHARGED
1440 minute winter	S83	780	0.347	0.692	11.7	2.2324	0.0000	SURCHARGED
1440 minute winter	S84	780	0.346	0.713	15.5	2.2614	0.0000	SURCHARGED
1440 minute winter	S86	780	0.345	0.738	74.8	1.8771	0.0000	SURCHARGED
1440 minute winter	S76	780	0.326	0.643	3.9	2.0677	0.0000	SURCHARGED
1440 minute winter	S77	780	0.326	0.665	7.8	2.1502	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S26	1.000	S16	1.2	0.044	0.017	9.2005	
1440 minute winter	S25	2.000	S16	1.0	0.036	0.015	7.3393	
1440 minute winter	S16	1.001	S145	8.8	0.134	0.123	15.0038	
1440 minute winter	S145	1.002	S75	17.7	0.172	0.250	15.0038	
1440 minute winter	S4	3.000	S5	1.7	0.076	0.024	13.1095	
1440 minute winter	S5	3.001	S11	4.1	0.110	0.058	13.1095	
1440 minute winter	S9	4.000	S10	1.4	0.078	0.020	8.0648	
1440 minute winter	S10	4.001	S11	1.4	0.022	0.019	1.3780	
1440 minute winter	S11	3.002	S12	5.6	0.038	0.079	2.8740	
1440 minute winter	S12	3.003	S15	6.5	0.041	0.094	3.6838	
1440 minute winter	S1	5.000	S3	5.8	0.098	0.081	13.5151	
1440 minute winter	S3	5.001	S2	9.5	0.135	0.134	9.1848	
1440 minute winter	S2	5.002	S15	10.8	0.097	0.159	3.4165	
1440 minute winter	S14	6.000	S15	-0.4	-0.021	-0.005	11.8707	
1440 minute winter	S15	3.004	S75	23.6	0.149	0.329	4.9661	
1440 minute winter	S75	1.003	S92	42.0	0.265	0.590	5.3380	
1440 minute winter	S87	7.000	S88	3.8	0.098	0.053	6.8747	
1440 minute winter	S88	7.001	S89	7.7	0.129	0.108	6.8747	
1440 minute winter	S89	7.002	S90	11.6	0.150	0.162	6.8747	
1440 minute winter	S90	7.003	S92	15.4	0.139	0.218	8.6413	
1440 minute winter	S92	1.005	S86	59.5	0.376	0.838	4.4095	
1440 minute winter	S81	8.000	S82	3.8	0.096	0.053	6.8747	
1440 minute winter	S82	8.001	S83	7.7	0.128	0.110	6.8747	
1440 minute winter	S83	8.002	S84	11.6	0.148	0.162	6.8747	
1440 minute winter	S84	8.003	S86	15.4	0.134	0.216	8.1975	
1440 minute winter	S86	1.006	S30	74.7	0.472	1.053	4.4165	
1440 minute winter	S76	9.000	S77	3.8	0.097	0.053	6.8747	
1440 minute winter	S77	9.001	S78	7.7	0.128	0.108	6.8747	

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Results for 100 year +40% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	S78	780	0.326	0.687	11.7	2.2073	0.0000	SURCHARGED
1440 minute winter	S79	780	0.325	0.707	15.5	2.2338	0.0000	SURCHARGED
1440 minute winter	S30	780	0.324	0.731	91.1	1.8600	0.0000	SURCHARGED
1440 minute winter	S31	780	0.291	0.627	4.2	2.0763	0.0000	SURCHARGED
1440 minute winter	S32	780	0.291	0.670	7.8	2.0682	0.0000	SURCHARGED
1440 minute winter	S33	780	0.290	0.713	99.8	1.8152	0.0000	SURCHARGED
1440 minute winter	S34	780	0.249	0.688	101.9	1.2164	0.0000	SURCHARGED
1440 minute winter	S35	780	0.185	0.651	102.2	1.1509	0.0000	SURCHARGED
1440 minute winter	S36	780	0.163	0.605	1.7	1.0699	0.0000	SURCHARGED
1440 minute winter	S37	780	0.163	0.634	110.7	3.1191	0.0000	SURCHARGED
1440 minute winter	S38	780	0.045	0.561	110.5	0.9912	0.0000	SURCHARGED
1440 minute winter	S39	1410	0.010	0.572	110.5	1.0113	0.0000	SURCHARGED
1440 minute winter	S56	1410	0.010	0.569	0.1	1.0056	0.0000	SURCHARGED
1440 minute winter	S57	1410	0.010	0.575	110.5	1.4635	0.0000	SURCHARGED
1440 minute winter	S125	1410	0.009	0.564	0.4	0.9972	0.0000	SURCHARGED
1440 minute winter	S127	1410	0.009	0.588	110.4	1.4976	0.0000	SURCHARGED
1440 minute winter	S119	1410	0.009	0.578	0.8	1.0212	0.0000	SURCHARGED
1440 minute winter	S60	1410	0.009	0.602	110.1	1.5318	0.0000	SURCHARGED
1440 minute winter	Pond Inlet 1	1440	0.017	0.627	109.7	1.1079	0.0000	OK
1440 minute winter	Pond Outlet	1440	0.008	0.618	54.9	0.6992	0.0000	SURCHARGED
1440 minute winter	S13	1440	0.008	0.646	6.5	2.2368	0.0000	SURCHARGED
1440 minute winter	Final Outfall	30	-0.740	0.000	6.5	0.0000	0.0000	OK
1440 minute winter	PP-S26	780	0.527	0.027	1.2	0.7058	0.0000	OK
1440 minute winter	PP-S25	750	0.522	0.022	1.1	0.4393	0.0000	OK
1440 minute winter	PP-S16	750	0.527	0.027	1.9	0.6701	0.0000	OK
1440 minute winter	PP-S145	750	0.526	0.026	2.2	0.6580	0.0000	OK
1440 minute winter	PP-S4	780	0.527	0.027	1.7	0.6955	0.0000	OK
1440 minute winter	PP-S1	780	0.540	0.040	4.3	10.6371	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S78	9.002	S79	11.6	0.147	0.166	6.8745	
1440 minute winter	S79	9.003	S30	15.4	0.125	0.214	7.6907	
1440 minute winter	S30	1.007	S33	91.0	0.575	1.279	5.0209	
1440 minute winter	S31	10.000	S32	4.1	0.095	0.058	13.6740	
1440 minute winter	S32	10.001	S33	7.7	0.101	0.108	13.6740	
1440 minute winter	S33	1.008	S34	99.7	0.630	1.414	5.1108	
1440 minute winter	S34	1.009	S35	101.9	0.643	1.434	8.5103	
1440 minute winter	S35	1.010	S37	102.1	0.645	1.537	1.7947	
1440 minute winter	S36	11.000	S37	1.6	0.044	0.023	9.1184	
1440 minute winter	S37	1.011	S38	110.5	0.698	1.565	14.3287	
1440 minute winter	S38	1.012	S39	110.5	0.698	1.546	14.3287	
1440 minute winter	S39	1.013	S57	110.5	0.697	1.744	1.1814	
1440 minute winter	S56	12.011	S57	0.1	-0.007	0.002	2.0645	
1440 minute winter	S57	1.014	S127	110.4	0.702	1.560	4.4483	
1440 minute winter	S125	21.003	S127	-0.4	-0.031	-0.006	7.8151	
1440 minute winter	S127	1.015	S60	110.1	0.726	1.545	4.3871	
1440 minute winter	S119	22.003	S60	-0.8	-0.102	-0.011	7.8151	
1440 minute winter	S60	1.016	Pond Inlet 1	109.7	0.769	1.448	4.7280	
1440 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	54.9	0.016	0.001	3434.4355	
1440 minute winter	Pond Outlet	1.018	S13	6.5	0.092	0.091	0.4779	
1440 minute winter	S13	Pump	Final Outfall	6.5				628.7
1440 minute winter	PP-S26	1.000_1	S26	1.2	0.439	0.031	0.0273	
1440 minute winter	PP-S25	2.000_1	S25	1.1	0.563	0.019	0.0098	
1440 minute winter	PP-S16	3.000_1	S16	1.9	0.739	0.028	0.0129	
1440 minute winter	PP-S145	4.000_2	S145	2.2	0.903	0.026	0.0122	
1440 minute winter	PP-S4	1.000_2	S4	1.7	0.636	0.030	0.0134	
1440 minute winter	PP-S1	4.000_1	S1	4.2	0.920	0.064	0.0231	

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Results for 100 year +40% CC 1440 minute winter. 2880 minute analysis at 30 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
1440 minute winter	PP-S5	750	0.529	0.029	2.5	0.8793	0.0000	OK
1440 minute winter	PP-S12	750	0.516	0.016	0.9	0.3721	0.0000	OK
1440 minute winter	PP-S14	840	0.506	0.006	0.1	0.1621	0.0000	OK
1440 minute winter	PP-S2	750	0.520	0.020	1.4	0.8667	0.0000	OK
1440 minute winter	PP-S15	750	0.517	0.017	1.1	0.3026	0.0000	OK
1440 minute winter	PP-S75	720	0.516	0.016	1.0	0.3096	0.0000	OK
1440 minute winter	PP-S24	720	0.525	0.025	2.5	0.7586	0.0000	OK
1440 minute winter	PP-S30	720	0.515	0.015	1.0	0.2914	0.0000	OK
1440 minute winter	PP-S33	750	0.516	0.016	1.1	0.2581	0.0000	OK
1440 minute winter	PP-S34	750	0.522	0.022	2.2	0.6537	0.0000	OK
1440 minute winter	PP-S35	720	0.508	0.008	0.3	0.0897	0.0000	OK
1440 minute winter	PP-S36	750	0.519	0.019	1.7	0.3946	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP-S5	2.000_2	S5	2.5	0.855	0.034	0.0146	
1440 minute winter	PP-S12	8.000_1	S12	0.9	0.728	0.010	0.0073	
1440 minute winter	PP-S14	11.000_1	S14	0.1	0.357	0.001	0.0014	
1440 minute winter	PP-S2	10.000_1	S2	1.4	0.836	0.015	0.0086	
1440 minute winter	PP-S15	12.000_1	S15	1.1	0.793	0.012	0.0113	
1440 minute winter	PP-S75	13.000_1	S75	1.0	0.795	0.010	0.0169	
1440 minute winter	PP-S24	14.000_1	S92	2.6	1.072	0.025	0.0223	
1440 minute winter	PP-S30	18.000_1	S30	1.0	0.861	0.009	0.0195	
1440 minute winter	PP-S33	20.000_1	S33	1.1	0.906	0.010	0.0105	
1440 minute winter	PP-S34	21.000_1	S34	2.2	1.144	0.019	0.0096	
1440 minute winter	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
1440 minute winter	PP-S36	23.000_2	S36	1.7	1.065	0.014	0.0080	

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Results for 100 year +40% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S26	1200	0.133	0.371	1.1	0.6558	0.0000	OK
2160 minute summer	S25	1200	0.133	0.377	1.0	0.9597	0.0000	OK
2160 minute summer	S16	1200	0.133	0.400	7.4	1.7740	0.0000	OK
2160 minute summer	S145	1200	0.133	0.448	14.2	1.9273	0.0000	OK
2160 minute summer	S4	1200	0.132	0.375	1.6	0.6635	0.0000	OK
2160 minute summer	S5	1200	0.132	0.416	3.4	0.7359	0.0000	OK
2160 minute summer	S9	1200	0.132	0.428	1.3	0.9869	0.0000	OK
2160 minute summer	S10	1200	0.132	0.453	1.2	0.8011	0.0000	SURCHARGED
2160 minute summer	S11	1200	0.132	0.458	5.2	0.8099	0.0000	SURCHARGED
2160 minute summer	S12	1200	0.132	0.467	6.0	0.8256	0.0000	SURCHARGED
2160 minute summer	S1	1200	0.133	0.397	5.2	0.9348	0.0000	OK
2160 minute summer	S3	1200	0.133	0.440	8.1	1.4064	0.0000	OK
2160 minute summer	S2	1200	0.132	0.468	8.9	0.8276	0.0000	SURCHARGED
2160 minute summer	S14	1200	0.132	0.441	0.4	0.7795	0.0000	OK
2160 minute summer	S15	1200	0.132	0.478	19.7	2.1521	0.0000	SURCHARGED
2160 minute summer	S75	1200	0.131	0.493	34.9	1.2536	0.0000	SURCHARGED
2160 minute summer	S87	1200	0.127	0.413	3.5	1.3389	0.0000	OK
2160 minute summer	S88	1200	0.127	0.435	6.8	1.4175	0.0000	OK
2160 minute summer	S89	1200	0.127	0.457	9.9	1.4796	0.0000	SURCHARGED
2160 minute summer	S90	1200	0.126	0.478	13.2	1.5229	0.0000	SURCHARGED
2160 minute summer	S92	1200	0.125	0.504	48.5	1.2835	0.0000	SURCHARGED
2160 minute summer	S81	1200	0.118	0.420	3.5	1.3560	0.0000	OK
2160 minute summer	S82	1200	0.118	0.442	6.8	1.4349	0.0000	OK
2160 minute summer	S83	1200	0.118	0.463	10.0	1.4938	0.0000	SURCHARGED
2160 minute summer	S84	1200	0.117	0.484	13.4	1.5364	0.0000	SURCHARGED
2160 minute summer	S86	1200	0.117	0.510	60.5	1.2969	0.0000	SURCHARGED
2160 minute summer	S76	1200	0.104	0.421	3.5	1.3550	0.0000	OK
2160 minute summer	S77	1200	0.104	0.443	6.8	1.4336	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S26	1.000	S16	1.2	0.047	0.017	8.3832	
2160 minute summer	S25	2.000	S16	1.0	0.035	0.014	6.7343	
2160 minute summer	S16	1.001	S145	7.8	0.123	0.109	14.5441	
2160 minute summer	S145	1.002	S75	14.4	0.135	0.205	14.9957	
2160 minute summer	S4	3.000	S5	1.6	0.078	0.023	12.1833	
2160 minute summer	S5	3.001	S11	4.0	0.071	0.055	12.8915	
2160 minute summer	S9	4.000	S10	1.2	0.035	0.016	7.9938	
2160 minute summer	S10	4.001	S11	1.3	0.016	0.017	1.3778	
2160 minute summer	S11	3.002	S12	5.3	0.048	0.075	2.8740	
2160 minute summer	S12	3.003	S15	6.1	0.045	0.088	3.6838	
2160 minute summer	S1	5.000	S3	4.9	0.102	0.068	13.0309	
2160 minute summer	S3	5.001	S2	7.9	0.095	0.111	9.1580	
2160 minute summer	S2	5.002	S15	9.0	0.067	0.131	3.4165	
2160 minute summer	S14	6.000	S15	-0.4	-0.010	-0.005	11.8425	
2160 minute summer	S15	3.004	S75	19.8	0.125	0.276	4.9661	
2160 minute summer	S75	1.003	S92	35.0	0.221	0.492	5.3380	
2160 minute summer	S87	7.000	S88	3.2	0.088	0.044	6.7056	
2160 minute summer	S88	7.001	S89	6.3	0.114	0.089	6.8399	
2160 minute summer	S89	7.002	S90	9.7	0.101	0.136	6.8747	
2160 minute summer	S90	7.003	S92	13.1	0.085	0.186	8.6413	
2160 minute summer	S92	1.005	S86	48.5	0.306	0.683	4.4095	
2160 minute summer	S81	8.000	S82	3.2	0.087	0.045	6.7629	
2160 minute summer	S82	8.001	S83	6.4	0.104	0.092	6.8604	
2160 minute summer	S83	8.002	S84	9.9	0.085	0.138	6.8747	
2160 minute summer	S84	8.003	S86	13.3	0.084	0.187	8.1975	
2160 minute summer	S86	1.006	S30	60.4	0.381	0.850	4.4165	
2160 minute summer	S76	9.000	S77	3.2	0.086	0.045	6.7742	
2160 minute summer	S77	9.001	S78	6.5	0.091	0.091	6.8645	

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Results for 100 year +40% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S78	1200	0.104	0.465	10.1	1.4954	0.0000	SURCHARGED
2160 minute summer	S79	1200	0.104	0.486	13.4	1.5350	0.0000	SURCHARGED
2160 minute summer	S30	1200	0.103	0.510	74.6	1.2984	0.0000	SURCHARGED
2160 minute summer	S31	1200	0.082	0.418	3.8	1.3850	0.0000	OK
2160 minute summer	S32	1200	0.082	0.461	6.7	1.4238	0.0000	SURCHARGED
2160 minute summer	S33	1200	0.082	0.505	81.8	1.2847	0.0000	SURCHARGED
2160 minute summer	S34	1200	0.056	0.495	83.7	0.8743	0.0000	SURCHARGED
2160 minute summer	S35	1200	0.016	0.482	84.0	0.8511	0.0000	SURCHARGED
2160 minute summer	S36	1200	0.002	0.444	1.5	0.7846	0.0000	OK
2160 minute summer	S37	1200	0.002	0.473	91.6	2.3253	0.0000	SURCHARGED
2160 minute summer	S38	2160	-0.023	0.493	91.4	0.8708	0.0000	SURCHARGED
2160 minute summer	S39	2160	-0.024	0.538	91.1	0.9506	0.0000	SURCHARGED
2160 minute summer	S56	2160	-0.024	0.535	0.4	0.9452	0.0000	SURCHARGED
2160 minute summer	S57	2160	-0.024	0.541	90.9	1.3765	0.0000	SURCHARGED
2160 minute summer	S125	2160	-0.024	0.531	0.4	0.9376	0.0000	SURCHARGED
2160 minute summer	S127	2160	-0.024	0.555	90.8	1.4114	0.0000	SURCHARGED
2160 minute summer	S119	2160	-0.025	0.544	0.7	0.9618	0.0000	SURCHARGED
2160 minute summer	S60	2160	-0.025	0.568	90.4	1.4462	0.0000	SURCHARGED
2160 minute summer	Pond Inlet 1	2220	-0.022	0.588	90.0	1.0398	0.0000	OK
2160 minute summer	Pond Outlet	2220	-0.027	0.583	45.0	0.6596	0.0000	SURCHARGED
2160 minute summer	S13	2220	-0.027	0.611	5.8	2.1158	0.0000	SURCHARGED
2160 minute summer	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
2160 minute summer	PP-S26	1140	0.526	0.026	1.1	0.6509	0.0000	OK
2160 minute summer	PP-S25	1140	0.521	0.021	1.0	0.4020	0.0000	OK
2160 minute summer	PP-S16	1140	0.525	0.025	1.7	0.6050	0.0000	OK
2160 minute summer	PP-S145	1140	0.524	0.024	2.0	0.6022	0.0000	OK
2160 minute summer	PP-S4	1140	0.526	0.026	1.6	0.6572	0.0000	OK
2160 minute summer	PP-S1	1140	0.538	0.038	3.9	9.9414	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S78	9.002	S79	9.9	0.072	0.142	6.8745	
2160 minute summer	S79	9.003	S30	13.3	0.084	0.185	7.6907	
2160 minute summer	S30	1.007	S33	74.5	0.470	1.046	5.0209	
2160 minute summer	S31	10.000	S32	3.4	0.068	0.047	13.4630	
2160 minute summer	S32	10.001	S33	6.4	0.040	0.089	13.6740	
2160 minute summer	S33	1.008	S34	81.7	0.516	1.159	5.1108	
2160 minute summer	S34	1.009	S35	83.7	0.528	1.178	8.5103	
2160 minute summer	S35	1.010	S37	83.9	0.530	1.263	1.7947	
2160 minute summer	S36	11.000	S37	1.3	0.009	0.019	9.1069	
2160 minute summer	S37	1.011	S38	91.4	0.578	1.293	14.3218	
2160 minute summer	S38	1.012	S39	91.1	0.591	1.275	14.3287	
2160 minute summer	S39	1.013	S57	90.9	0.606	1.435	1.1814	
2160 minute summer	S56	12.011	S57	0.8	0.005	0.011	2.0645	
2160 minute summer	S57	1.014	S127	90.8	0.622	1.283	4.4483	
2160 minute summer	S125	21.003	S127	0.7	-0.014	0.009	7.8151	
2160 minute summer	S127	1.015	S60	90.4	0.644	1.269	4.3871	
2160 minute summer	S119	22.003	S60	-0.7	-0.019	-0.009	7.8151	
2160 minute summer	S60	1.016	Pond Inlet 1	90.0	0.690	1.188	4.7280	
2160 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	45.0	0.012	0.001	3221.7856	
2160 minute summer	Pond Outlet	1.018	S13	5.8	0.083	0.082	0.4779	
2160 minute summer	S13	Pump	Final Outfall	5.8				547.4
2160 minute summer	PP-S26	1.000_1	S26	1.1	0.428	0.029	0.0257	
2160 minute summer	PP-S25	2.000_1	S25	1.0	0.547	0.017	0.0091	
2160 minute summer	PP-S16	3.000_1	S16	1.7	0.716	0.025	0.0119	
2160 minute summer	PP-S145	4.000_2	S145	2.0	0.878	0.024	0.0114	
2160 minute summer	PP-S4	1.000_2	S4	1.6	0.624	0.028	0.0128	
2160 minute summer	PP-S1	4.000_1	S1	3.8	0.895	0.058	0.0215	

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Results for 100 year +40% CC 2160 minute summer. 3600 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	PP-S5	1140	0.528	0.028	2.3	0.8124	0.0000	OK
2160 minute summer	PP-S12	1140	0.515	0.015	0.8	0.3353	0.0000	OK
2160 minute summer	PP-S14	1140	0.506	0.006	0.1	0.1581	0.0000	OK
2160 minute summer	PP-S2	1140	0.518	0.018	1.2	0.7489	0.0000	OK
2160 minute summer	PP-S15	1140	0.517	0.017	1.0	0.2776	0.0000	OK
2160 minute summer	PP-S75	1140	0.516	0.016	0.9	0.2821	0.0000	OK
2160 minute summer	PP-S24	1140	0.524	0.024	2.3	0.7045	0.0000	OK
2160 minute summer	PP-S30	1140	0.515	0.015	0.9	0.2687	0.0000	OK
2160 minute summer	PP-S33	1140	0.515	0.015	1.0	0.2375	0.0000	OK
2160 minute summer	PP-S34	1140	0.521	0.021	2.0	0.5985	0.0000	OK
2160 minute summer	PP-S35	1140	0.508	0.008	0.3	0.0897	0.0000	OK
2160 minute summer	PP-S36	1140	0.518	0.018	1.5	0.3514	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	PP-S5	2.000_2	S5	2.3	0.834	0.031	0.0138	
2160 minute summer	PP-S12	8.000_1	S12	0.8	0.703	0.009	0.0057	
2160 minute summer	PP-S14	11.000_1	S14	0.1	0.354	0.001	0.0014	
2160 minute summer	PP-S2	10.000_1	S2	1.2	0.797	0.013	0.0075	
2160 minute summer	PP-S15	12.000_1	S15	1.0	0.770	0.011	0.0065	
2160 minute summer	PP-S75	13.000_1	S75	0.9	0.771	0.009	0.0058	
2160 minute summer	PP-S24	14.000_1	S92	2.3	1.048	0.022	0.0110	
2160 minute summer	PP-S30	18.000_1	S30	0.9	0.838	0.008	0.0054	
2160 minute summer	PP-S33	20.000_1	S33	1.0	0.880	0.009	0.0057	
2160 minute summer	PP-S34	21.000_1	S34	2.0	1.113	0.017	0.0090	
2160 minute summer	PP-S35	22.000_2	S35	0.3	0.659	0.002	0.0023	
2160 minute summer	PP-S36	23.000_2	S36	1.5	1.024	0.013	0.0073	

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Results for 100 year +40% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S26	1320	0.031	0.269	0.9	0.4757	0.0000	OK
2160 minute winter	S25	1320	0.031	0.275	0.7	0.7004	0.0000	OK
2160 minute winter	S16	1320	0.031	0.298	6.1	1.3222	0.0000	OK
2160 minute winter	S145	1320	0.031	0.346	12.1	1.4896	0.0000	OK
2160 minute winter	S4	1320	0.031	0.274	1.2	0.4839	0.0000	OK
2160 minute winter	S5	1320	0.031	0.315	2.9	0.5564	0.0000	OK
2160 minute winter	S9	1320	0.031	0.327	1.1	0.7530	0.0000	OK
2160 minute winter	S10	1320	0.031	0.352	0.9	0.6217	0.0000	OK
2160 minute winter	S11	1320	0.031	0.357	3.6	0.6305	0.0000	OK
2160 minute winter	S12	1320	0.031	0.366	4.1	0.6464	0.0000	OK
2160 minute winter	S1	1320	0.031	0.295	4.1	0.6951	0.0000	OK
2160 minute winter	S3	1320	0.031	0.338	6.7	1.0811	0.0000	OK
2160 minute winter	S2	1320	0.031	0.367	7.4	0.6483	0.0000	OK
2160 minute winter	S14	1320	0.031	0.340	0.2	0.6004	0.0000	OK
2160 minute winter	S15	1320	0.031	0.377	15.6	1.6958	0.0000	OK
2160 minute winter	S75	1320	0.030	0.392	27.9	0.9981	0.0000	OK
2160 minute winter	S87	1320	0.029	0.315	2.7	1.0218	0.0000	OK
2160 minute winter	S88	1320	0.029	0.337	5.4	1.0988	0.0000	OK
2160 minute winter	S89	1320	0.029	0.359	8.1	1.1631	0.0000	OK
2160 minute winter	S90	1320	0.029	0.381	10.7	1.2125	0.0000	OK
2160 minute winter	S92	1320	0.028	0.407	40.1	1.0367	0.0000	OK
2160 minute winter	S81	2040	0.026	0.328	2.7	1.0587	0.0000	OK
2160 minute winter	S82	2040	0.026	0.350	5.4	1.1360	0.0000	OK
2160 minute winter	S83	2040	0.026	0.371	8.1	1.1972	0.0000	OK
2160 minute winter	S84	2040	0.026	0.393	10.7	1.2462	0.0000	OK
2160 minute winter	S86	2040	0.026	0.419	50.5	1.0660	0.0000	OK
2160 minute winter	S76	2040	0.026	0.343	2.7	1.1017	0.0000	OK
2160 minute winter	S77	2040	0.026	0.365	5.4	1.1790	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S26	1.000	S16	0.8	0.050	0.012	6.1097	
2160 minute winter	S25	2.000	S16	0.7	0.035	0.010	4.9347	
2160 minute winter	S16	1.001	S145	5.9	0.120	0.082	11.4712	
2160 minute winter	S145	1.002	S75	11.8	0.138	0.168	13.1335	
2160 minute winter	S4	3.000	S5	1.1	0.071	0.015	9.0790	
2160 minute winter	S5	3.001	S11	2.7	0.097	0.038	10.4783	
2160 minute winter	S9	4.000	S10	-1.1	0.051	-0.016	6.5228	
2160 minute winter	S10	4.001	S11	0.9	0.013	0.011	1.1644	
2160 minute winter	S11	3.002	S12	3.5	0.049	0.050	2.4744	
2160 minute winter	S12	3.003	S15	4.1	0.038	0.060	3.2522	
2160 minute winter	S1	5.000	S3	4.0	0.106	0.056	10.1482	
2160 minute winter	S3	5.001	S2	6.5	0.100	0.091	7.7137	
2160 minute winter	S2	5.002	S15	7.3	0.068	0.107	3.0203	
2160 minute winter	S14	6.000	S15	0.2	-0.026	0.003	10.1203	
2160 minute winter	S15	3.004	S75	15.4	0.116	0.216	4.5189	
2160 minute winter	S75	1.003	S92	27.7	0.200	0.389	5.0113	
2160 minute winter	S87	7.000	S88	2.6	0.093	0.037	5.3335	
2160 minute winter	S88	7.001	S89	5.3	0.120	0.074	5.7029	
2160 minute winter	S89	7.002	S90	8.0	0.126	0.112	6.0432	
2160 minute winter	S90	7.003	S92	10.6	0.086	0.150	8.0149	
2160 minute winter	S92	1.005	S86	39.9	0.280	0.562	4.2364	
2160 minute winter	S81	8.000	S82	2.6	0.087	0.037	5.5536	
2160 minute winter	S82	8.001	S83	5.3	0.118	0.076	5.9008	
2160 minute winter	S83	8.002	S84	8.0	0.111	0.112	6.2167	
2160 minute winter	S84	8.003	S86	10.6	0.079	0.149	7.7740	
2160 minute winter	S86	1.006	S30	50.4	0.346	0.710	4.3230	
2160 minute winter	S76	9.000	S77	2.6	0.088	0.037	5.7953	
2160 minute winter	S77	9.001	S78	5.3	0.114	0.074	6.1295	

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Results for 100 year +40% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S78	2040	0.026	0.387	8.1	1.2427	0.0000	OK
2160 minute winter	S79	2040	0.026	0.408	10.7	1.2878	0.0000	OK
2160 minute winter	S30	2040	0.026	0.433	61.7	1.1011	0.0000	OK
2160 minute winter	S31	2040	0.025	0.361	2.9	1.1967	0.0000	OK
2160 minute winter	S32	2040	0.025	0.404	5.4	1.2485	0.0000	OK
2160 minute winter	S33	2040	0.025	0.448	67.5	1.1410	0.0000	OK
2160 minute winter	S34	2040	0.025	0.464	68.9	0.8196	0.0000	SURCHARGED
2160 minute winter	S35	2100	0.024	0.490	69.0	0.8663	0.0000	SURCHARGED
2160 minute winter	S36	2100	0.024	0.466	1.2	0.8238	0.0000	SURCHARGED
2160 minute winter	S37	2100	0.024	0.495	75.0	2.4340	0.0000	SURCHARGED
2160 minute winter	S38	2100	0.023	0.539	74.8	0.9525	0.0000	SURCHARGED
2160 minute winter	S39	2100	0.022	0.584	74.6	1.0325	0.0000	SURCHARGED
2160 minute winter	S56	2100	0.022	0.581	0.1	1.0272	0.0000	SURCHARGED
2160 minute winter	S57	2100	0.022	0.587	74.4	1.4941	0.0000	SURCHARGED
2160 minute winter	S125	2100	0.022	0.577	0.3	1.0198	0.0000	SURCHARGED
2160 minute winter	S127	2160	0.021	0.600	74.3	1.5268	0.0000	SURCHARGED
2160 minute winter	S119	2100	0.022	0.591	0.2	1.0438	0.0000	SURCHARGED
2160 minute winter	S60	2100	0.022	0.615	74.0	1.5641	0.0000	SURCHARGED
2160 minute winter	Pond Inlet 1	2160	0.024	0.634	73.7	1.1208	0.0000	OK
2160 minute winter	Pond Outlet	2160	0.021	0.631	36.8	0.7135	0.0000	SURCHARGED
2160 minute winter	S13	2160	0.020	0.658	6.7	2.2805	0.0000	SURCHARGED
2160 minute winter	Final Outfall	60	-0.740	0.000	6.7	0.0000	0.0000	OK
2160 minute winter	PP-S26	1140	0.524	0.024	0.9	0.5405	0.0000	OK
2160 minute winter	PP-S25	1140	0.518	0.018	0.7	0.2886	0.0000	OK
2160 minute winter	PP-S16	1140	0.522	0.022	1.3	0.4692	0.0000	OK
2160 minute winter	PP-S145	1140	0.521	0.021	1.5	0.4595	0.0000	OK
2160 minute winter	PP-S4	1140	0.523	0.023	1.2	0.5014	0.0000	OK
2160 minute winter	PP-S1	1140	0.533	0.033	3.0	8.3283	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S78	9.002	S79	8.0	0.095	0.115	6.4194	
2160 minute winter	S79	9.003	S30	10.6	0.077	0.147	7.4616	
2160 minute winter	S30	1.007	S33	61.6	0.421	0.865	4.9872	
2160 minute winter	S31	10.000	S32	2.8	0.094	0.039	12.3629	
2160 minute winter	S32	10.001	S33	5.2	0.038	0.072	13.3068	
2160 minute winter	S33	1.008	S34	67.4	0.460	0.955	5.1083	
2160 minute winter	S34	1.009	S35	68.8	0.469	0.969	8.5103	
2160 minute winter	S35	1.010	S37	68.9	0.473	1.037	1.7947	
2160 minute winter	S36	11.000	S37	1.1	0.008	0.016	9.1184	
2160 minute winter	S37	1.011	S38	74.8	0.519	1.058	14.3287	
2160 minute winter	S38	1.012	S39	74.6	0.524	1.043	14.3287	
2160 minute winter	S39	1.013	S57	74.4	0.534	1.174	1.1814	
2160 minute winter	S56	12.011	S57	0.2	-0.014	0.003	2.0645	
2160 minute winter	S57	1.014	S127	74.3	0.550	1.050	4.4483	
2160 minute winter	S125	21.003	S127	-0.3	-0.083	-0.004	7.8151	
2160 minute winter	S127	1.015	S60	74.0	0.572	1.039	4.3871	
2160 minute winter	S119	22.003	S60	0.2	-0.003	0.003	7.8151	
2160 minute winter	S60	1.016	Pond Inlet 1	73.7	0.618	0.973	4.7280	
2160 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	36.8	0.013	0.001	3511.3157	
2160 minute winter	Pond Outlet	1.018	S13	6.7	0.096	0.095	0.4779	
2160 minute winter	S13	Pump	Final Outfall	6.7				761.3
2160 minute winter	PP-S26	1.000_1	S26	0.9	0.405	0.023	0.0222	
2160 minute winter	PP-S25	2.000_1	S25	0.7	0.491	0.012	0.0071	
2160 minute winter	PP-S16	3.000_1	S16	1.3	0.661	0.019	0.0098	
2160 minute winter	PP-S145	4.000_2	S145	1.5	0.807	0.018	0.0093	
2160 minute winter	PP-S4	1.000_2	S4	1.2	0.574	0.021	0.0105	
2160 minute winter	PP-S1	4.000_1	S1	3.0	0.832	0.045	0.0179	

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Results for 100 year +40% CC 2160 minute winter. 3600 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	PP-S5	1140	0.525	0.025	1.8	0.6479	0.0000	OK
2160 minute winter	PP-S12	1140	0.513	0.013	0.6	0.2555	0.0000	OK
2160 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	PP-S2	1140	0.516	0.016	0.9	0.5750	0.0000	OK
2160 minute winter	PP-S15	1080	0.514	0.014	0.7	0.2013	0.0000	OK
2160 minute winter	PP-S75	1080	0.514	0.014	0.7	0.2235	0.0000	OK
2160 minute winter	PP-S24	1140	0.521	0.021	1.8	0.5599	0.0000	OK
2160 minute winter	PP-S30	1140	0.513	0.013	0.7	0.2113	0.0000	OK
2160 minute winter	PP-S33	1140	0.514	0.014	0.8	0.1929	0.0000	OK
2160 minute winter	PP-S34	1140	0.518	0.018	1.5	0.4585	0.0000	OK
2160 minute winter	PP-S35	1020	0.507	0.007	0.2	0.0626	0.0000	OK
2160 minute winter	PP-S36	1140	0.516	0.016	1.2	0.2876	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	PP-S5	2.000_2	S5	1.8	0.777	0.024	0.0116	
2160 minute winter	PP-S12	8.000_1	S12	0.6	0.643	0.007	0.0047	
2160 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2160 minute winter	PP-S2	10.000_1	S2	0.9	0.729	0.010	0.0062	
2160 minute winter	PP-S15	12.000_1	S15	0.7	0.691	0.007	0.0051	
2160 minute winter	PP-S75	13.000_1	S75	0.7	0.714	0.007	0.0049	
2160 minute winter	PP-S24	14.000_1	S92	1.8	0.976	0.018	0.0092	
2160 minute winter	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
2160 minute winter	PP-S33	20.000_1	S33	0.8	0.822	0.007	0.0049	
2160 minute winter	PP-S34	21.000_1	S34	1.5	1.020	0.013	0.0074	
2160 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2160 minute winter	PP-S36	23.000_2	S36	1.2	0.956	0.010	0.0063	

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Results for 100 year +40% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S26	1560	0.009	0.247	0.9	0.4371	0.0000	OK
2880 minute summer	S25	1560	0.009	0.253	0.8	0.6448	0.0000	OK
2880 minute summer	S16	1560	0.009	0.276	6.4	1.2253	0.0000	OK
2880 minute summer	S145	1560	0.009	0.324	12.5	1.3946	0.0000	OK
2880 minute summer	S4	1560	0.009	0.252	1.2	0.4450	0.0000	OK
2880 minute summer	S5	1560	0.009	0.293	2.8	0.5174	0.0000	OK
2880 minute summer	S9	1560	0.009	0.305	1.0	0.7021	0.0000	OK
2880 minute summer	S10	1560	0.009	0.330	1.0	0.5826	0.0000	OK
2880 minute summer	S11	1560	0.009	0.335	3.9	0.5914	0.0000	OK
2880 minute summer	S12	1560	0.009	0.344	4.6	0.6072	0.0000	OK
2880 minute summer	S1	1560	0.009	0.273	4.2	0.6435	0.0000	OK
2880 minute summer	S3	1560	0.009	0.316	6.8	1.0107	0.0000	OK
2880 minute summer	S2	1560	0.009	0.345	7.5	0.6092	0.0000	OK
2880 minute summer	S14	1560	0.009	0.318	0.3	0.5611	0.0000	OK
2880 minute summer	S15	1560	0.009	0.355	15.8	1.5959	0.0000	OK
2880 minute summer	S75	1560	0.008	0.370	28.2	0.9405	0.0000	OK
2880 minute summer	S87	1560	0.005	0.291	2.8	0.9452	0.0000	OK
2880 minute summer	S88	1560	0.005	0.313	5.6	1.0218	0.0000	OK
2880 minute summer	S89	1560	0.005	0.335	8.3	1.0863	0.0000	OK
2880 minute summer	S90	1560	0.005	0.357	11.0	1.1367	0.0000	OK
2880 minute summer	S92	1560	0.004	0.383	40.5	0.9756	0.0000	OK
2880 minute summer	S81	1560	0.000	0.302	2.8	0.9749	0.0000	OK
2880 minute summer	S82	1560	0.000	0.324	5.6	1.0517	0.0000	OK
2880 minute summer	S83	1560	0.000	0.345	8.3	1.1128	0.0000	OK
2880 minute summer	S84	1560	-0.001	0.366	11.0	1.1624	0.0000	OK
2880 minute summer	S86	1560	-0.001	0.392	51.1	0.9976	0.0000	OK
2880 minute summer	S76	1560	-0.008	0.309	2.8	0.9922	0.0000	OK
2880 minute summer	S77	1560	-0.008	0.331	5.6	1.0688	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S26	1.000	S16	0.8	0.046	0.011	5.5546	
2880 minute summer	S25	2.000	S16	0.7	0.039	0.010	4.4927	
2880 minute summer	S16	1.001	S145	6.0	0.123	0.084	10.6155	
2880 minute summer	S145	1.002	S75	12.1	0.120	0.172	12.3779	
2880 minute summer	S4	3.000	S5	1.1	0.078	0.016	8.2914	
2880 minute summer	S5	3.001	S11	2.9	0.085	0.040	9.7480	
2880 minute summer	S9	4.000	S10	1.0	0.046	0.014	6.0755	
2880 minute summer	S10	4.001	S11	1.0	0.016	0.014	1.0911	
2880 minute summer	S11	3.002	S12	4.0	0.055	0.057	2.3250	
2880 minute summer	S12	3.003	S15	4.7	0.047	0.068	3.0677	
2880 minute summer	S1	5.000	S3	4.0	0.103	0.056	9.3691	
2880 minute summer	S3	5.001	S2	6.5	0.092	0.092	7.2255	
2880 minute summer	S2	5.002	S15	7.4	0.067	0.108	2.8497	
2880 minute summer	S14	6.000	S15	-0.3	-0.012	-0.004	9.4989	
2880 minute summer	S15	3.004	S75	16.0	0.120	0.224	4.2827	
2880 minute summer	S75	1.003	S92	28.2	0.199	0.397	4.7699	
2880 minute summer	S87	7.000	S88	2.7	0.089	0.038	4.9118	
2880 minute summer	S88	7.001	S89	5.4	0.119	0.076	5.3037	
2880 minute summer	S89	7.002	S90	8.2	0.117	0.114	5.6725	
2880 minute summer	S90	7.003	S92	10.8	0.086	0.153	7.6001	
2880 minute summer	S92	1.005	S86	40.3	0.279	0.568	4.0410	
2880 minute summer	S81	8.000	S82	2.7	0.086	0.038	5.1028	
2880 minute summer	S82	8.001	S83	5.4	0.112	0.078	5.4772	
2880 minute summer	S83	8.002	S84	8.2	0.099	0.114	5.8266	
2880 minute summer	S84	8.003	S86	10.8	0.080	0.152	7.3671	
2880 minute summer	S86	1.006	S30	51.0	0.348	0.718	4.1083	
2880 minute summer	S76	9.000	S77	2.7	0.087	0.038	5.2219	
2880 minute summer	S77	9.001	S78	5.4	0.104	0.076	5.5976	

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Results for 100 year +40% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S78	1560	-0.009	0.352	8.3	1.1328	0.0000	OK
2880 minute summer	S79	1560	-0.009	0.373	11.0	1.1789	0.0000	OK
2880 minute summer	S30	1560	-0.009	0.398	62.5	1.0122	0.0000	OK
2880 minute summer	S31	2880	-0.018	0.318	3.0	1.0530	0.0000	OK
2880 minute summer	S32	2880	-0.018	0.361	5.5	1.1143	0.0000	OK
2880 minute summer	S33	2880	-0.018	0.405	68.4	1.0301	0.0000	OK
2880 minute summer	S34	2880	-0.019	0.420	69.8	0.7428	0.0000	OK
2880 minute summer	S35	2880	-0.019	0.447	69.8	0.7904	0.0000	OK
2880 minute summer	S36	2820	-0.019	0.423	1.2	0.7480	0.0000	OK
2880 minute summer	S37	2880	-0.019	0.452	75.8	2.2231	0.0000	SURCHARGED
2880 minute summer	S38	2880	-0.019	0.497	75.6	0.8775	0.0000	SURCHARGED
2880 minute summer	S39	2880	-0.020	0.542	75.3	0.9582	0.0000	SURCHARGED
2880 minute summer	S56	2880	-0.019	0.540	0.7	0.9534	0.0000	SURCHARGED
2880 minute summer	S57	2880	-0.020	0.545	75.2	1.3875	0.0000	SURCHARGED
2880 minute summer	S125	2880	-0.020	0.535	0.7	0.9459	0.0000	SURCHARGED
2880 minute summer	S127	2820	-0.021	0.558	75.0	1.4206	0.0000	SURCHARGED
2880 minute summer	S119	2820	-0.020	0.549	0.6	0.9699	0.0000	SURCHARGED
2880 minute summer	S60	2880	-0.020	0.573	74.7	1.4571	0.0000	SURCHARGED
2880 minute summer	Pond Inlet 1	2880	-0.013	0.597	74.3	1.0542	0.0000	OK
2880 minute summer	Pond Outlet	2880	-0.021	0.589	37.2	0.6659	0.0000	SURCHARGED
2880 minute summer	S13	2880	-0.022	0.616	6.0	2.1353	0.0000	SURCHARGED
2880 minute summer	Final Outfall	60	-0.740	0.000	5.9	0.0000	0.0000	OK
2880 minute summer	PP-S26	1500	0.524	0.024	0.9	0.5405	0.0000	OK
2880 minute summer	PP-S25	1500	0.519	0.019	0.8	0.3266	0.0000	OK
2880 minute summer	PP-S16	1500	0.523	0.023	1.4	0.5029	0.0000	OK
2880 minute summer	PP-S145	1500	0.522	0.022	1.6	0.4876	0.0000	OK
2880 minute summer	PP-S4	1500	0.523	0.023	1.2	0.5014	0.0000	OK
2880 minute summer	PP-S1	1500	0.534	0.034	3.1	8.4720	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S78	9.002	S79	8.2	0.085	0.117	5.9386	
2880 minute summer	S79	9.003	S30	10.8	0.079	0.150	7.0085	
2880 minute summer	S30	1.007	S33	62.3	0.422	0.876	4.7103	
2880 minute summer	S31	10.000	S32	2.8	0.067	0.040	11.0457	
2880 minute summer	S32	10.001	S33	5.2	0.038	0.073	12.3611	
2880 minute summer	S33	1.008	S34	68.2	0.462	0.966	4.9071	
2880 minute summer	S34	1.009	S35	69.6	0.472	0.981	8.3875	
2880 minute summer	S35	1.010	S37	69.7	0.476	1.050	1.7933	
2880 minute summer	S36	11.000	S37	1.1	0.008	0.015	9.0083	
2880 minute summer	S37	1.011	S38	75.6	0.521	1.070	14.3255	
2880 minute summer	S38	1.012	S39	75.3	0.525	1.054	14.3287	
2880 minute summer	S39	1.013	S57	75.2	0.531	1.186	1.1814	
2880 minute summer	S56	12.011	S57	-0.7	-0.005	-0.011	2.0645	
2880 minute summer	S57	1.014	S127	75.0	0.544	1.061	4.4483	
2880 minute summer	S125	21.003	S127	-0.7	-0.021	-0.011	7.8151	
2880 minute summer	S127	1.015	S60	74.7	0.559	1.049	4.3871	
2880 minute summer	S119	22.003	S60	-0.6	-0.084	-0.009	7.8151	
2880 minute summer	S60	1.016	Pond Inlet 1	74.3	0.576	0.982	4.7280	
2880 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	37.2	0.011	0.001	3255.9690	
2880 minute summer	Pond Outlet	1.018	S13	6.0	0.085	0.084	0.4779	
2880 minute summer	S13	Pump	Final Outfall	5.9				681.0
2880 minute summer	PP-S26	1.000_1	S26	0.9	0.405	0.023	0.0222	
2880 minute summer	PP-S25	2.000_1	S25	0.8	0.512	0.014	0.0078	
2880 minute summer	PP-S16	3.000_1	S16	1.4	0.676	0.021	0.0104	
2880 minute summer	PP-S145	4.000_2	S145	1.6	0.822	0.019	0.0097	
2880 minute summer	PP-S4	1.000_2	S4	1.2	0.574	0.021	0.0105	
2880 minute summer	PP-S1	4.000_1	S1	3.1	0.838	0.046	0.0182	

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Results for 100 year +40% CC 2880 minute summer. 4320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP-S5	1500	0.525	0.025	1.8	0.6479	0.0000	OK
2880 minute summer	PP-S12	1500	0.514	0.014	0.7	0.2962	0.0000	OK
2880 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	PP-S2	1500	0.517	0.017	1.0	0.6324	0.0000	OK
2880 minute summer	PP-S15	1500	0.515	0.015	0.8	0.2283	0.0000	OK
2880 minute summer	PP-S75	1500	0.514	0.014	0.7	0.2235	0.0000	OK
2880 minute summer	PP-S24	1500	0.521	0.021	1.8	0.5599	0.0000	OK
2880 minute summer	PP-S30	1500	0.513	0.013	0.7	0.2113	0.0000	OK
2880 minute summer	PP-S33	1500	0.514	0.014	0.8	0.1929	0.0000	OK
2880 minute summer	PP-S34	1500	0.519	0.019	1.6	0.4866	0.0000	OK
2880 minute summer	PP-S35	1440	0.507	0.007	0.2	0.0626	0.0000	OK
2880 minute summer	PP-S36	1500	0.516	0.016	1.2	0.2876	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP-S5	2.000_2	S5	1.8	0.777	0.024	0.0116	
2880 minute summer	PP-S12	8.000_1	S12	0.7	0.675	0.008	0.0052	
2880 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute summer	PP-S2	10.000_1	S2	1.0	0.753	0.011	0.0066	
2880 minute summer	PP-S15	12.000_1	S15	0.8	0.720	0.008	0.0056	
2880 minute summer	PP-S75	13.000_1	S75	0.7	0.714	0.007	0.0049	
2880 minute summer	PP-S24	14.000_1	S92	1.8	0.976	0.018	0.0092	
2880 minute summer	PP-S30	18.000_1	S30	0.7	0.775	0.006	0.0045	
2880 minute summer	PP-S33	20.000_1	S33	0.8	0.822	0.007	0.0049	
2880 minute summer	PP-S34	21.000_1	S34	1.6	1.040	0.014	0.0077	
2880 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2880 minute summer	PP-S36	23.000_2	S36	1.2	0.956	0.010	0.0063	

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Results for 100 year +40% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S26	2760	0.031	0.269	0.7	0.4758	0.0000	OK
2880 minute winter	S25	2760	0.031	0.275	0.6	0.7006	0.0000	OK
2880 minute winter	S16	2760	0.031	0.298	4.9	1.3226	0.0000	OK
2880 minute winter	S145	2760	0.031	0.346	9.6	1.4911	0.0000	OK
2880 minute winter	S4	2760	0.031	0.274	0.9	0.4847	0.0000	OK
2880 minute winter	S5	2760	0.031	0.315	2.2	0.5571	0.0000	OK
2880 minute winter	S9	2760	0.031	0.327	0.8	0.7539	0.0000	OK
2880 minute winter	S10	2760	0.031	0.352	0.8	0.6225	0.0000	OK
2880 minute winter	S11	2760	0.031	0.357	2.8	0.6314	0.0000	OK
2880 minute winter	S12	2760	0.031	0.366	3.2	0.6472	0.0000	OK
2880 minute winter	S1	2760	0.031	0.295	3.2	0.6953	0.0000	OK
2880 minute winter	S3	2760	0.031	0.338	5.2	1.0820	0.0000	OK
2880 minute winter	S2	2760	0.031	0.367	5.8	0.6489	0.0000	OK
2880 minute winter	S14	2760	0.031	0.340	0.1	0.6014	0.0000	OK
2880 minute winter	S15	2760	0.031	0.377	12.4	1.6980	0.0000	OK
2880 minute winter	S75	2760	0.031	0.393	22.2	1.0010	0.0000	OK
2880 minute winter	S87	2760	0.031	0.317	2.1	1.0293	0.0000	OK
2880 minute winter	S88	2760	0.031	0.339	4.3	1.1061	0.0000	OK
2880 minute winter	S89	2760	0.031	0.361	6.4	1.1706	0.0000	OK
2880 minute winter	S90	2760	0.031	0.383	8.4	1.2209	0.0000	OK
2880 minute winter	S92	2760	0.031	0.410	31.8	1.0441	0.0000	OK
2880 minute winter	S81	2760	0.031	0.333	2.1	1.0757	0.0000	OK
2880 minute winter	S82	2760	0.031	0.355	4.3	1.1532	0.0000	OK
2880 minute winter	S83	2760	0.031	0.376	6.4	1.2143	0.0000	OK
2880 minute winter	S84	2760	0.031	0.398	8.4	1.2630	0.0000	OK
2880 minute winter	S86	2760	0.031	0.424	40.0	1.0797	0.0000	OK
2880 minute winter	S76	2760	0.031	0.348	2.1	1.1192	0.0000	OK
2880 minute winter	S77	2760	0.031	0.370	4.2	1.1964	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S26	1.000	S16	0.6	0.046	0.009	6.1117	
2880 minute winter	S25	2.000	S16	0.6	0.038	0.008	4.9366	
2880 minute winter	S16	1.001	S145	4.7	0.123	0.066	11.4792	
2880 minute winter	S145	1.002	S75	9.5	0.123	0.134	13.1559	
2880 minute winter	S4	3.000	S5	0.9	0.078	0.012	9.0938	
2880 minute winter	S5	3.001	S11	2.1	0.086	0.029	10.4922	
2880 minute winter	S9	4.000	S10	0.8	0.081	0.011	6.5312	
2880 minute winter	S10	4.001	S11	0.7	0.066	0.009	1.1660	
2880 minute winter	S11	3.002	S12	2.7	0.053	0.038	2.4775	
2880 minute winter	S12	3.003	S15	3.2	0.043	0.046	3.2560	
2880 minute winter	S1	5.000	S3	3.1	0.099	0.044	10.1546	
2880 minute winter	S3	5.001	S2	5.1	0.102	0.072	7.7205	
2880 minute winter	S2	5.002	S15	5.7	0.081	0.084	3.0233	
2880 minute winter	S14	6.000	S15	-0.1	-0.007	-0.002	10.1346	
2880 minute winter	S15	3.004	S75	12.2	0.119	0.170	4.5267	
2880 minute winter	S75	1.003	S92	22.1	0.195	0.311	5.0295	
2880 minute winter	S87	7.000	S88	2.1	0.089	0.029	5.3730	
2880 minute winter	S88	7.001	S89	4.2	0.114	0.058	5.7395	
2880 minute winter	S89	7.002	S90	6.3	0.125	0.088	6.0794	
2880 minute winter	S90	7.003	S92	8.3	0.096	0.118	8.0580	
2880 minute winter	S92	1.005	S86	31.7	0.268	0.446	4.2654	
2880 minute winter	S81	8.000	S82	2.1	0.087	0.029	5.6413	
2880 minute winter	S82	8.001	S83	4.2	0.105	0.060	5.9827	
2880 minute winter	S83	8.002	S84	6.3	0.117	0.088	6.2900	
2880 minute winter	S84	8.003	S86	8.3	0.076	0.117	7.8453	
2880 minute winter	S86	1.006	S30	39.9	0.329	0.562	4.3512	
2880 minute winter	S76	9.000	S77	2.0	0.086	0.029	5.8808	
2880 minute winter	S77	9.001	S78	4.2	0.105	0.058	6.2056	

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Results for 100 year +40% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S78	2760	0.031	0.392	6.4	1.2601	0.0000	OK
2880 minute winter	S79	2760	0.031	0.413	8.4	1.3047	0.0000	OK
2880 minute winter	S30	2760	0.031	0.438	48.7	1.1147	0.0000	OK
2880 minute winter	S31	2760	0.031	0.367	2.3	1.2154	0.0000	OK
2880 minute winter	S32	2760	0.031	0.410	4.2	1.2655	0.0000	OK
2880 minute winter	S33	2760	0.031	0.454	53.2	1.1547	0.0000	SURCHARGED
2880 minute winter	S34	2760	0.030	0.469	54.3	0.8295	0.0000	SURCHARGED
2880 minute winter	S35	2820	0.030	0.496	54.4	0.8772	0.0000	SURCHARGED
2880 minute winter	S36	2820	0.031	0.473	0.9	0.8356	0.0000	SURCHARGED
2880 minute winter	S37	2820	0.030	0.501	59.0	2.4649	0.0000	SURCHARGED
2880 minute winter	S38	2760	0.029	0.545	58.8	0.9634	0.0000	SURCHARGED
2880 minute winter	S39	2880	0.029	0.591	58.6	1.0438	0.0000	SURCHARGED
2880 minute winter	S56	2760	0.029	0.588	0.3	1.0389	0.0000	SURCHARGED
2880 minute winter	S57	2880	0.029	0.594	58.4	1.5112	0.0000	SURCHARGED
2880 minute winter	S125	2760	0.029	0.584	0.3	1.0321	0.0000	SURCHARGED
2880 minute winter	S127	2820	0.029	0.608	58.3	1.5479	0.0000	SURCHARGED
2880 minute winter	S119	2820	0.032	0.601	0.2	1.0614	0.0000	SURCHARGED
2880 minute winter	S60	2820	0.030	0.623	58.0	1.5843	0.0000	SURCHARGED
2880 minute winter	Pond Inlet 1	2880	0.031	0.641	57.7	1.1321	0.0000	OK
2880 minute winter	Pond Outlet	2820	0.028	0.638	28.9	0.7213	0.0000	SURCHARGED
2880 minute winter	S13	2820	0.027	0.665	6.9	2.3043	0.0000	SURCHARGED
2880 minute winter	Final Outfall	60	-0.740	0.000	6.9	0.0000	0.0000	OK
2880 minute winter	PP-S26	1500	0.521	0.021	0.7	0.4268	0.0000	OK
2880 minute winter	PP-S25	1500	0.516	0.016	0.6	0.2511	0.0000	OK
2880 minute winter	PP-S16	1500	0.519	0.019	1.0	0.3689	0.0000	OK
2880 minute winter	PP-S145	1500	0.519	0.019	1.2	0.3748	0.0000	OK
2880 minute winter	PP-S4	1500	0.520	0.020	0.9	0.3846	0.0000	OK
2880 minute winter	PP-S1	1500	0.530	0.030	2.4	7.0980	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S78	9.002	S79	6.3	0.107	0.090	6.4842	
2880 minute winter	S79	9.003	S30	8.3	0.073	0.115	7.5145	
2880 minute winter	S30	1.007	S33	48.6	0.395	0.683	5.0022	
2880 minute winter	S31	10.000	S32	2.2	0.079	0.031	12.5114	
2880 minute winter	S32	10.001	S33	4.0	0.048	0.056	13.3737	
2880 minute winter	S33	1.008	S34	53.1	0.428	0.753	5.1102	
2880 minute winter	S34	1.009	S35	54.2	0.434	0.763	8.5103	
2880 minute winter	S35	1.010	S37	54.3	0.436	0.818	1.7947	
2880 minute winter	S36	11.000	S37	0.8	0.008	0.012	9.1184	
2880 minute winter	S37	1.011	S38	58.8	0.474	0.832	14.3287	
2880 minute winter	S38	1.012	S39	58.6	0.466	0.819	14.3287	
2880 minute winter	S39	1.013	S57	58.4	0.468	0.922	1.1814	
2880 minute winter	S56	12.011	S57	-0.3	-0.109	-0.004	2.0645	
2880 minute winter	S57	1.014	S127	58.3	0.480	0.824	4.4483	
2880 minute winter	S125	21.003	S127	0.3	-0.004	0.004	7.8151	
2880 minute winter	S127	1.015	S60	58.0	0.493	0.815	4.3871	
2880 minute winter	S119	22.003	S60	0.4	-0.004	0.006	7.8151	
2880 minute winter	S60	1.016	Pond Inlet 1	57.7	0.565	0.763	4.7280	
2880 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	28.9	0.013	0.001	3553.0657	
2880 minute winter	Pond Outlet	1.018	S13	6.9	0.127	0.097	0.4779	
2880 minute winter	S13	Pump	Final Outfall	6.9				892.3
2880 minute winter	PP-S26	1.000_1	S26	0.7	0.375	0.018	0.0186	
2880 minute winter	PP-S25	2.000_1	S25	0.6	0.468	0.010	0.0064	
2880 minute winter	PP-S16	3.000_1	S16	1.0	0.613	0.015	0.0082	
2880 minute winter	PP-S145	4.000_2	S145	1.2	0.756	0.014	0.0079	
2880 minute winter	PP-S4	1.000_2	S4	0.9	0.528	0.016	0.0085	
2880 minute winter	PP-S1	4.000_1	S1	2.4	0.781	0.036	0.0153	

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Results for 100 year +40% CC 2880 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP-S5	1500	0.522	0.022	1.4	0.5112	0.0000	OK
2880 minute winter	PP-S12	1440	0.512	0.012	0.5	0.2155	0.0000	OK
2880 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	PP-S2	1500	0.514	0.014	0.7	0.4575	0.0000	OK
2880 minute winter	PP-S15	1440	0.513	0.013	0.6	0.1740	0.0000	OK
2880 minute winter	PP-S75	1500	0.513	0.013	0.6	0.1933	0.0000	OK
2880 minute winter	PP-S24	1500	0.519	0.019	1.4	0.4445	0.0000	OK
2880 minute winter	PP-S30	1380	0.511	0.011	0.5	0.1556	0.0000	OK
2880 minute winter	PP-S33	1380	0.512	0.012	0.6	0.1480	0.0000	OK
2880 minute winter	PP-S34	1500	0.516	0.016	1.2	0.3751	0.0000	OK
2880 minute winter	PP-S35	1380	0.507	0.007	0.2	0.0626	0.0000	OK
2880 minute winter	PP-S36	1440	0.514	0.014	0.9	0.2227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP-S5	2.000_2	S5	1.4	0.721	0.019	0.0097	
2880 minute winter	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
2880 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
2880 minute winter	PP-S2	10.000_1	S2	0.7	0.676	0.008	0.0052	
2880 minute winter	PP-S15	12.000_1	S15	0.6	0.659	0.006	0.0046	
2880 minute winter	PP-S75	13.000_1	S75	0.6	0.681	0.006	0.0044	
2880 minute winter	PP-S24	14.000_1	S92	1.4	0.906	0.014	0.0077	
2880 minute winter	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
2880 minute winter	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
2880 minute winter	PP-S34	21.000_1	S34	1.2	0.952	0.010	0.0063	
2880 minute winter	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
2880 minute winter	PP-S36	23.000_2	S36	0.9	0.877	0.008	0.0051	

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Results for 100 year +40% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S26	3720	-0.023	0.215	0.6	0.3803	0.0000	OK
4320 minute summer	S25	3840	-0.023	0.221	0.5	0.5627	0.0000	OK
4320 minute summer	S16	3780	-0.023	0.244	4.5	1.0827	0.0000	OK
4320 minute summer	S145	3780	-0.023	0.292	8.9	1.2575	0.0000	OK
4320 minute summer	S4	3840	-0.023	0.220	0.9	0.3886	0.0000	OK
4320 minute summer	S5	3780	-0.023	0.261	2.1	0.4613	0.0000	OK
4320 minute summer	S9	3720	-0.023	0.273	0.7	0.6301	0.0000	OK
4320 minute summer	S10	3780	-0.023	0.298	0.9	0.5269	0.0000	OK
4320 minute summer	S11	3780	-0.023	0.303	2.8	0.5357	0.0000	OK
4320 minute summer	S12	3840	-0.023	0.312	3.2	0.5517	0.0000	OK
4320 minute summer	S1	3780	-0.023	0.241	3.0	0.5680	0.0000	OK
4320 minute summer	S3	3780	-0.023	0.284	4.9	0.9080	0.0000	OK
4320 minute summer	S2	3780	-0.023	0.313	5.4	0.5531	0.0000	OK
4320 minute summer	S14	3780	-0.023	0.286	0.2	0.5054	0.0000	OK
4320 minute summer	S15	3840	-0.023	0.323	11.6	1.4546	0.0000	OK
4320 minute summer	S75	3720	-0.023	0.339	20.6	0.8630	0.0000	OK
4320 minute summer	S87	3660	-0.023	0.263	2.0	0.8539	0.0000	OK
4320 minute summer	S88	3780	-0.023	0.285	4.0	0.9297	0.0000	OK
4320 minute summer	S89	3840	-0.023	0.307	6.1	0.9958	0.0000	OK
4320 minute summer	S90	3840	-0.023	0.329	8.0	1.0488	0.0000	OK
4320 minute summer	S92	3720	-0.023	0.356	29.5	0.9062	0.0000	OK
4320 minute summer	S81	3780	-0.023	0.279	2.0	0.9013	0.0000	OK
4320 minute summer	S82	3780	-0.023	0.301	4.0	0.9779	0.0000	OK
4320 minute summer	S83	3840	-0.023	0.322	6.0	1.0396	0.0000	OK
4320 minute summer	S84	3720	-0.023	0.344	8.0	1.0911	0.0000	OK
4320 minute summer	S86	3720	-0.023	0.370	37.3	0.9420	0.0000	OK
4320 minute summer	S76	3780	-0.023	0.294	2.0	0.9460	0.0000	OK
4320 minute summer	S77	3780	-0.023	0.316	4.0	1.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S26	1.000	S16	0.6	0.048	0.009	4.7216	
4320 minute summer	S25	2.000	S16	0.5	0.043	0.007	3.8278	
4320 minute summer	S16	1.001	S145	4.4	0.122	0.061	9.3128	
4320 minute summer	S145	1.002	S75	8.7	0.118	0.123	11.2195	
4320 minute summer	S4	3.000	S5	0.8	0.078	0.012	7.1266	
4320 minute summer	S5	3.001	S11	2.1	0.085	0.029	8.6439	
4320 minute summer	S9	4.000	S10	0.9	0.065	0.012	5.4022	
4320 minute summer	S10	4.001	S11	0.7	0.037	0.010	0.9788	
4320 minute summer	S11	3.002	S12	2.8	0.076	0.040	2.0948	
4320 minute summer	S12	3.003	S15	3.2	0.051	0.047	2.7812	
4320 minute summer	S1	5.000	S3	2.9	0.107	0.041	8.1827	
4320 minute summer	S3	5.001	S2	4.7	0.102	0.067	6.4655	
4320 minute summer	S2	5.002	S15	5.4	0.085	0.079	2.5820	
4320 minute summer	S14	6.000	S15	0.2	-0.002	0.003	8.5430	
4320 minute summer	S15	3.004	S75	11.6	0.121	0.161	3.9172	
4320 minute summer	S75	1.003	S92	20.6	0.192	0.289	4.4251	
4320 minute summer	S87	7.000	S88	1.9	0.088	0.027	4.3851	
4320 minute summer	S88	7.001	S89	4.0	0.108	0.055	4.7976	
4320 minute summer	S89	7.002	S90	6.0	0.118	0.084	5.1985	
4320 minute summer	S90	7.003	S92	7.9	0.085	0.112	7.0569	
4320 minute summer	S92	1.005	S86	29.4	0.262	0.414	3.8133	
4320 minute summer	S81	8.000	S82	1.9	0.085	0.027	4.6868	
4320 minute summer	S82	8.001	S83	3.9	0.107	0.057	5.0798	
4320 minute summer	S83	8.002	S84	6.0	0.106	0.083	5.4547	
4320 minute summer	S84	8.003	S86	7.9	0.074	0.111	6.9725	
4320 minute summer	S86	1.006	S30	37.2	0.320	0.523	3.9519	
4320 minute summer	S76	9.000	S77	1.9	0.080	0.027	4.9637	
4320 minute summer	S77	9.001	S78	3.9	0.105	0.055	5.3510	

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Results for 100 year +40% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	S78	3840	-0.023	0.338	6.0	1.0864	0.0000	OK
4320 minute summer	S79	3840	-0.023	0.359	7.9	1.1343	0.0000	OK
4320 minute summer	S30	3840	-0.023	0.384	45.5	0.9771	0.0000	OK
4320 minute summer	S31	3780	-0.023	0.313	2.2	1.0367	0.0000	OK
4320 minute summer	S32	3780	-0.023	0.356	4.0	1.0991	0.0000	OK
4320 minute summer	S33	3840	-0.023	0.400	49.8	1.0178	0.0000	OK
4320 minute summer	S34	3900	-0.023	0.416	50.8	0.7349	0.0000	OK
4320 minute summer	S35	3840	-0.023	0.443	50.9	0.7824	0.0000	OK
4320 minute summer	S36	3840	-0.023	0.419	0.9	0.7401	0.0000	OK
4320 minute summer	S37	3780	-0.023	0.448	55.2	2.2011	0.0000	OK
4320 minute summer	S38	3780	-0.023	0.493	55.0	0.8707	0.0000	SURCHARGED
4320 minute summer	S39	3840	-0.024	0.538	54.8	0.9514	0.0000	SURCHARGED
4320 minute summer	S56	3660	-0.023	0.536	0.3	0.9462	0.0000	SURCHARGED
4320 minute summer	S57	3840	-0.024	0.541	54.6	1.3776	0.0000	SURCHARGED
4320 minute summer	S125	3600	-0.023	0.532	0.4	0.9392	0.0000	SURCHARGED
4320 minute summer	S127	3780	-0.024	0.555	54.5	1.4124	0.0000	SURCHARGED
4320 minute summer	S119	3780	-0.023	0.546	0.6	0.9645	0.0000	SURCHARGED
4320 minute summer	S60	3780	-0.024	0.569	54.2	1.4483	0.0000	SURCHARGED
4320 minute summer	Pond Inlet 1	4380	-0.018	0.592	53.9	1.0463	0.0000	OK
4320 minute summer	Pond Outlet	3900	-0.025	0.585	27.0	0.6614	0.0000	SURCHARGED
4320 minute summer	S13	3900	-0.026	0.612	5.9	2.1213	0.0000	SURCHARGED
4320 minute summer	Final Outfall	60	-0.740	0.000	5.9	0.0000	0.0000	OK
4320 minute summer	PP-S26	2220	0.520	0.020	0.6	0.3708	0.0000	OK
4320 minute summer	PP-S25	2220	0.515	0.015	0.5	0.2142	0.0000	OK
4320 minute summer	PP-S16	2220	0.519	0.019	1.0	0.3689	0.0000	OK
4320 minute summer	PP-S145	2220	0.518	0.018	1.1	0.3460	0.0000	OK
4320 minute summer	PP-S4	2220	0.520	0.020	0.9	0.3846	0.0000	OK
4320 minute summer	PP-S1	2220	0.529	0.029	2.2	6.6155	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	S78	9.002	S79	5.9	0.092	0.085	5.7134	
4320 minute summer	S79	9.003	S30	7.8	0.072	0.109	6.7876	
4320 minute summer	S30	1.007	S33	45.4	0.385	0.638	4.6411	
4320 minute summer	S31	10.000	S32	2.1	0.072	0.030	10.8822	
4320 minute summer	S32	10.001	S33	3.8	0.035	0.053	12.2239	
4320 minute summer	S33	1.008	S34	49.7	0.416	0.704	4.8689	
4320 minute summer	S34	1.009	S35	50.7	0.419	0.713	8.3503	
4320 minute summer	S35	1.010	S37	50.8	0.417	0.764	1.7906	
4320 minute summer	S36	11.000	S37	-0.9	0.007	-0.013	8.9772	
4320 minute summer	S37	1.011	S38	55.0	0.449	0.778	14.3211	
4320 minute summer	S38	1.012	S39	54.8	0.432	0.766	14.3287	
4320 minute summer	S39	1.013	S57	54.6	0.425	0.862	1.1814	
4320 minute summer	S56	12.011	S57	0.5	-0.009	0.007	2.0645	
4320 minute summer	S57	1.014	S127	54.5	0.426	0.770	4.4483	
4320 minute summer	S125	21.003	S127	0.5	-0.086	0.007	7.8151	
4320 minute summer	S127	1.015	S60	54.2	0.423	0.761	4.3871	
4320 minute summer	S119	22.003	S60	-0.6	-0.030	-0.008	7.8151	
4320 minute summer	S60	1.016	Pond Inlet 1	53.9	0.476	0.712	4.7280	
4320 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	27.0	0.011	0.001	3231.3738	
4320 minute summer	Pond Outlet	1.018	S13	5.9	0.115	0.083	0.4779	
4320 minute summer	S13	Pump	Final Outfall	5.9				903.5
4320 minute summer	PP-S26	1.000_1	S26	0.6	0.359	0.016	0.0167	
4320 minute summer	PP-S25	2.000_1	S25	0.5	0.444	0.009	0.0056	
4320 minute summer	PP-S16	3.000_1	S16	1.0	0.613	0.015	0.0082	
4320 minute summer	PP-S145	4.000_2	S145	1.1	0.735	0.013	0.0075	
4320 minute summer	PP-S4	1.000_2	S4	0.9	0.528	0.016	0.0085	
4320 minute summer	PP-S1	4.000_1	S1	2.2	0.759	0.033	0.0143	

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Results for 100 year +40% CC 4320 minute summer. 5760 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	PP-S5	2220	0.521	0.021	1.3	0.4777	0.0000	OK
4320 minute summer	PP-S12	2220	0.512	0.012	0.5	0.2155	0.0000	OK
4320 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	PP-S2	2220	0.514	0.014	0.7	0.4575	0.0000	OK
4320 minute summer	PP-S15	2220	0.512	0.012	0.5	0.1473	0.0000	OK
4320 minute summer	PP-S75	2220	0.512	0.012	0.5	0.1637	0.0000	OK
4320 minute summer	PP-S24	2220	0.518	0.018	1.3	0.4154	0.0000	OK
4320 minute summer	PP-S30	2220	0.511	0.011	0.5	0.1556	0.0000	OK
4320 minute summer	PP-S33	2220	0.512	0.012	0.6	0.1480	0.0000	OK
4320 minute summer	PP-S34	2220	0.516	0.016	1.1	0.3477	0.0000	OK
4320 minute summer	PP-S35	2220	0.507	0.007	0.2	0.0626	0.0000	OK
4320 minute summer	PP-S36	2220	0.514	0.014	0.9	0.2227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	PP-S5	2.000_2	S5	1.3	0.706	0.018	0.0092	
4320 minute summer	PP-S12	8.000_1	S12	0.5	0.609	0.005	0.0041	
4320 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute summer	PP-S2	10.000_1	S2	0.7	0.676	0.008	0.0052	
4320 minute summer	PP-S15	12.000_1	S15	0.5	0.625	0.005	0.0040	
4320 minute summer	PP-S75	13.000_1	S75	0.5	0.646	0.005	0.0039	
4320 minute summer	PP-S24	14.000_1	S92	1.3	0.885	0.013	0.0073	
4320 minute summer	PP-S30	18.000_1	S30	0.5	0.703	0.004	0.0036	
4320 minute summer	PP-S33	20.000_1	S33	0.6	0.754	0.005	0.0040	
4320 minute summer	PP-S34	21.000_1	S34	1.1	0.928	0.009	0.0059	
4320 minute summer	PP-S35	22.000_2	S35	0.2	0.584	0.002	0.0017	
4320 minute summer	PP-S36	23.000_2	S36	0.9	0.877	0.008	0.0051	

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Results for 100 year +40% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S26	3960	0.028	0.266	0.5	0.4701	0.0000	OK
4320 minute winter	S25	3960	0.028	0.272	0.4	0.6923	0.0000	OK
4320 minute winter	S16	3960	0.028	0.295	3.4	1.3082	0.0000	OK
4320 minute winter	S145	3960	0.028	0.343	6.7	1.4771	0.0000	OK
4320 minute winter	S4	3960	0.028	0.271	0.7	0.4789	0.0000	OK
4320 minute winter	S5	3960	0.028	0.312	1.6	0.5514	0.0000	OK
4320 minute winter	S9	3960	0.028	0.324	0.5	0.7466	0.0000	OK
4320 minute winter	S10	3960	0.028	0.349	0.5	0.6168	0.0000	OK
4320 minute winter	S11	4020	0.028	0.354	2.0	0.6256	0.0000	OK
4320 minute winter	S12	3960	0.028	0.363	2.3	0.6415	0.0000	OK
4320 minute winter	S1	3960	0.028	0.292	2.3	0.6878	0.0000	OK
4320 minute winter	S3	4020	0.028	0.335	3.6	1.0717	0.0000	OK
4320 minute winter	S2	3960	0.028	0.364	4.0	0.6433	0.0000	OK
4320 minute winter	S14	3960	0.028	0.337	0.1	0.5956	0.0000	OK
4320 minute winter	S15	3960	0.028	0.374	8.6	1.6836	0.0000	OK
4320 minute winter	S75	3960	0.028	0.390	15.4	0.9926	0.0000	OK
4320 minute winter	S87	3960	0.028	0.314	1.5	1.0187	0.0000	OK
4320 minute winter	S88	3960	0.028	0.336	3.0	1.0958	0.0000	OK
4320 minute winter	S89	3960	0.028	0.358	4.4	1.1603	0.0000	OK
4320 minute winter	S90	3960	0.028	0.380	5.8	1.2103	0.0000	OK
4320 minute winter	S92	4020	0.028	0.407	22.1	1.0358	0.0000	OK
4320 minute winter	S81	3960	0.028	0.330	1.5	1.0654	0.0000	OK
4320 minute winter	S82	3960	0.028	0.352	3.0	1.1428	0.0000	OK
4320 minute winter	S83	3960	0.028	0.373	4.4	1.2039	0.0000	OK
4320 minute winter	S84	3960	0.028	0.395	5.8	1.2528	0.0000	OK
4320 minute winter	S86	3960	0.028	0.421	27.7	1.0713	0.0000	OK
4320 minute winter	S76	3960	0.028	0.345	1.5	1.1087	0.0000	OK
4320 minute winter	S77	3960	0.028	0.367	3.0	1.1861	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S26	1.000	S16	0.5	0.047	0.007	6.0305	
4320 minute winter	S25	2.000	S16	0.4	0.039	0.005	4.8714	
4320 minute winter	S16	1.001	S145	3.3	0.120	0.046	11.3548	
4320 minute winter	S145	1.002	S75	6.6	0.118	0.093	13.0500	
4320 minute winter	S4	3.000	S5	0.6	0.075	0.009	8.9796	
4320 minute winter	S5	3.001	S11	1.5	0.082	0.022	10.3879	
4320 minute winter	S9	4.000	S10	0.5	0.074	0.007	6.4680	
4320 minute winter	S10	4.001	S11	0.4	0.045	0.006	1.1555	
4320 minute winter	S11	3.002	S12	1.9	0.080	0.027	2.4562	
4320 minute winter	S12	3.003	S15	2.2	0.048	0.033	3.2302	
4320 minute winter	S1	5.000	S3	2.2	0.104	0.031	10.0418	
4320 minute winter	S3	5.001	S2	3.5	0.105	0.050	7.6513	
4320 minute winter	S2	5.002	S15	4.0	0.089	0.058	2.9997	
4320 minute winter	S14	6.000	S15	0.2	-0.005	0.003	10.0469	
4320 minute winter	S15	3.004	S75	8.5	0.119	0.118	4.4944	
4320 minute winter	S75	1.003	S92	15.3	0.189	0.215	4.9990	
4320 minute winter	S87	7.000	S88	1.5	0.088	0.020	5.3171	
4320 minute winter	S88	7.001	S89	2.9	0.107	0.041	5.6884	
4320 minute winter	S89	7.002	S90	4.3	0.124	0.061	6.0319	
4320 minute winter	S90	7.003	S92	5.8	0.094	0.082	8.0066	
4320 minute winter	S92	1.005	S86	22.0	0.252	0.309	4.2438	
4320 minute winter	S81	8.000	S82	1.5	0.085	0.020	5.5883	
4320 minute winter	S82	8.001	S83	2.9	0.105	0.041	5.9330	
4320 minute winter	S83	8.002	S84	4.3	0.113	0.061	6.2459	
4320 minute winter	S84	8.003	S86	5.7	0.080	0.081	7.8023	
4320 minute winter	S86	1.006	S30	27.6	0.303	0.389	4.3350	
4320 minute winter	S76	9.000	S77	1.5	0.080	0.020	5.8304	
4320 minute winter	S77	9.001	S78	2.9	0.105	0.040	6.1607	

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Results for 100 year +40% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	S78	3960	0.028	0.389	4.4	1.2498	0.0000	OK
4320 minute winter	S79	4080	0.028	0.410	5.8	1.2951	0.0000	OK
4320 minute winter	S30	3960	0.028	0.435	33.8	1.1067	0.0000	OK
4320 minute winter	S31	3960	0.028	0.364	1.6	1.2045	0.0000	OK
4320 minute winter	S32	4080	0.028	0.407	2.9	1.2568	0.0000	OK
4320 minute winter	S33	4020	0.028	0.451	36.8	1.1481	0.0000	SURCHARGED
4320 minute winter	S34	4020	0.028	0.467	37.5	0.8249	0.0000	SURCHARGED
4320 minute winter	S35	4020	0.027	0.493	37.5	0.8718	0.0000	SURCHARGED
4320 minute winter	S36	3960	0.027	0.469	0.6	0.8287	0.0000	SURCHARGED
4320 minute winter	S37	4020	0.027	0.498	40.6	2.4493	0.0000	SURCHARGED
4320 minute winter	S38	4020	0.028	0.544	40.4	0.9614	0.0000	SURCHARGED
4320 minute winter	S39	4020	0.027	0.589	40.2	1.0415	0.0000	SURCHARGED
4320 minute winter	S56	4020	0.027	0.586	0.3	1.0357	0.0000	SURCHARGED
4320 minute winter	S57	4020	0.027	0.592	40.1	1.5071	0.0000	SURCHARGED
4320 minute winter	S125	4080	0.026	0.581	0.2	1.0270	0.0000	SURCHARGED
4320 minute winter	S127	4080	0.026	0.605	40.0	1.5410	0.0000	SURCHARGED
4320 minute winter	S119	4080	0.027	0.596	0.3	1.0532	0.0000	SURCHARGED
4320 minute winter	S60	4080	0.026	0.619	39.8	1.5764	0.0000	SURCHARGED
4320 minute winter	Pond Inlet 1	4260	0.028	0.638	39.6	1.1278	0.0000	OK
4320 minute winter	Pond Outlet	4020	0.025	0.635	19.8	0.7182	0.0000	SURCHARGED
4320 minute winter	S13	4020	0.025	0.663	6.8	2.2949	0.0000	SURCHARGED
4320 minute winter	Final Outfall	60	-0.740	0.000	6.8	0.0000	0.0000	OK
4320 minute winter	PP-S26	2280	0.518	0.018	0.5	0.3152	0.0000	OK
4320 minute winter	PP-S25	2100	0.514	0.014	0.4	0.1738	0.0000	OK
4320 minute winter	PP-S16	2100	0.516	0.016	0.7	0.2673	0.0000	OK
4320 minute winter	PP-S145	2040	0.516	0.016	0.8	0.2613	0.0000	OK
4320 minute winter	PP-S4	2220	0.518	0.018	0.7	0.3050	0.0000	OK
4320 minute winter	PP-S1	2220	0.525	0.025	1.7	5.4532	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	S78	9.002	S79	4.3	0.103	0.062	6.4459	
4320 minute winter	S79	9.003	S30	5.7	0.075	0.080	7.4848	
4320 minute winter	S30	1.007	S33	33.7	0.358	0.473	4.9945	
4320 minute winter	S31	10.000	S32	1.5	0.088	0.022	12.4271	
4320 minute winter	S32	10.001	S33	2.8	0.074	0.039	13.3395	
4320 minute winter	S33	1.008	S34	36.7	0.386	0.520	5.1092	
4320 minute winter	S34	1.009	S35	37.4	0.386	0.527	8.5103	
4320 minute winter	S35	1.010	S37	37.5	0.383	0.564	1.7947	
4320 minute winter	S36	11.000	S37	0.5	0.007	0.008	9.1184	
4320 minute winter	S37	1.011	S38	40.4	0.412	0.572	14.3287	
4320 minute winter	S38	1.012	S39	40.2	0.391	0.563	14.3287	
4320 minute winter	S39	1.013	S57	40.1	0.383	0.633	1.1814	
4320 minute winter	S56	12.011	S57	-0.3	-0.003	-0.004	2.0645	
4320 minute winter	S57	1.014	S127	40.0	0.388	0.565	4.4483	
4320 minute winter	S125	21.003	S127	0.3	-0.011	0.005	7.8151	
4320 minute winter	S127	1.015	S60	39.8	0.390	0.559	4.3871	
4320 minute winter	S119	22.003	S60	0.7	-0.011	0.010	7.8151	
4320 minute winter	S60	1.016	Pond Inlet 1	39.6	0.513	0.523	4.7280	
4320 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	19.8	0.011	0.000	3536.7112	
4320 minute winter	Pond Outlet	1.018	S13	6.8	0.106	0.096	0.4779	
4320 minute winter	S13	Pump	Final Outfall	6.8				1121.7
4320 minute winter	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
4320 minute winter	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
4320 minute winter	PP-S16	3.000_1	S16	0.7	0.549	0.010	0.0064	
4320 minute winter	PP-S145	4.000_2	S145	0.8	0.667	0.009	0.0060	
4320 minute winter	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
4320 minute winter	PP-S1	4.000_1	S1	1.7	0.705	0.025	0.0120	

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Results for 100 year +40% CC 4320 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	PP-S5	2220	0.519	0.019	1.0	0.3762	0.0000	OK
4320 minute winter	PP-S12	2220	0.511	0.011	0.4	0.1762	0.0000	OK
4320 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	PP-S2	2160	0.512	0.012	0.5	0.3326	0.0000	OK
4320 minute winter	PP-S15	2100	0.511	0.011	0.4	0.1210	0.0000	OK
4320 minute winter	PP-S75	2040	0.511	0.011	0.4	0.1345	0.0000	OK
4320 minute winter	PP-S24	2160	0.516	0.016	1.0	0.3293	0.0000	OK
4320 minute winter	PP-S30	2160	0.510	0.010	0.4	0.1284	0.0000	OK
4320 minute winter	PP-S33	1980	0.510	0.010	0.4	0.1044	0.0000	OK
4320 minute winter	PP-S34	2100	0.513	0.013	0.8	0.2602	0.0000	OK
4320 minute winter	PP-S35	1500	0.505	0.005	0.1	0.0345	0.0000	OK
4320 minute winter	PP-S36	1980	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
4320 minute winter	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
4320 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
4320 minute winter	PP-S2	10.000_1	S2	0.5	0.611	0.005	0.0041	
4320 minute winter	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
4320 minute winter	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
4320 minute winter	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
4320 minute winter	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
4320 minute winter	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
4320 minute winter	PP-S34	21.000_1	S34	0.8	0.842	0.007	0.0048	
4320 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
4320 minute winter	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 100 year +40% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S26	4500	-0.026	0.212	0.5	0.3738	0.0000	OK
5760 minute summer	S25	4440	-0.026	0.218	0.4	0.5536	0.0000	OK
5760 minute summer	S16	4560	-0.026	0.241	3.6	1.0666	0.0000	OK
5760 minute summer	S145	4620	-0.026	0.289	7.2	1.2429	0.0000	OK
5760 minute summer	S4	4620	-0.026	0.217	0.7	0.3827	0.0000	OK
5760 minute summer	S5	4560	-0.026	0.258	1.6	0.4551	0.0000	OK
5760 minute summer	S9	4560	-0.026	0.270	0.6	0.6214	0.0000	OK
5760 minute summer	S10	4440	-0.026	0.295	0.6	0.5206	0.0000	OK
5760 minute summer	S11	4440	-0.026	0.300	2.0	0.5295	0.0000	OK
5760 minute summer	S12	4440	-0.026	0.309	2.3	0.5453	0.0000	OK
5760 minute summer	S1	4560	-0.026	0.238	2.4	0.5595	0.0000	OK
5760 minute summer	S3	4560	-0.026	0.281	3.9	0.8971	0.0000	OK
5760 minute summer	S2	4500	-0.026	0.310	4.4	0.5470	0.0000	OK
5760 minute summer	S14	4560	-0.026	0.283	0.1	0.4994	0.0000	OK
5760 minute summer	S15	4560	-0.026	0.320	9.2	1.4386	0.0000	OK
5760 minute summer	S75	4560	-0.026	0.336	16.5	0.8540	0.0000	OK
5760 minute summer	S87	4560	-0.026	0.260	1.6	0.8419	0.0000	OK
5760 minute summer	S88	4560	-0.026	0.282	3.2	0.9184	0.0000	OK
5760 minute summer	S89	4560	-0.026	0.304	4.7	0.9840	0.0000	OK
5760 minute summer	S90	4500	-0.026	0.326	6.2	1.0369	0.0000	OK
5760 minute summer	S92	4620	-0.026	0.353	23.5	0.8972	0.0000	OK
5760 minute summer	S81	4560	-0.026	0.276	1.6	0.8901	0.0000	OK
5760 minute summer	S82	4560	-0.026	0.298	3.2	0.9663	0.0000	OK
5760 minute summer	S83	4560	-0.026	0.319	4.7	1.0284	0.0000	OK
5760 minute summer	S84	4560	-0.026	0.341	6.2	1.0801	0.0000	OK
5760 minute summer	S86	4560	-0.027	0.366	29.5	0.9327	0.0000	OK
5760 minute summer	S76	4560	-0.026	0.291	1.6	0.9342	0.0000	OK
5760 minute summer	S77	4560	-0.027	0.312	3.2	1.0102	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S26	1.000	S16	0.5	0.047	0.007	4.6282	
5760 minute summer	S25	2.000	S16	0.4	0.043	0.006	3.7537	
5760 minute summer	S16	1.001	S145	3.5	0.119	0.049	9.1652	
5760 minute summer	S145	1.002	S75	7.0	0.118	0.100	11.0878	
5760 minute summer	S4	3.000	S5	0.6	0.075	0.009	6.9997	
5760 minute summer	S5	3.001	S11	1.5	0.107	0.021	8.5167	
5760 minute summer	S9	4.000	S10	0.6	0.061	0.008	5.3210	
5760 minute summer	S10	4.001	S11	0.5	0.040	0.007	0.9657	
5760 minute summer	S11	3.002	S12	2.0	0.086	0.029	2.0677	
5760 minute summer	S12	3.003	S15	2.3	0.059	0.034	2.7466	
5760 minute summer	S1	5.000	S3	2.3	0.106	0.032	8.0509	
5760 minute summer	S3	5.001	S2	3.8	0.104	0.053	6.3814	
5760 minute summer	S2	5.002	S15	4.3	0.086	0.063	2.5519	
5760 minute summer	S14	6.000	S15	0.2	-0.002	0.002	8.4365	
5760 minute summer	S15	3.004	S75	9.0	0.120	0.126	3.8741	
5760 minute summer	S75	1.003	S92	16.3	0.186	0.230	4.3799	
5760 minute summer	S87	7.000	S88	1.6	0.091	0.022	4.3180	
5760 minute summer	S88	7.001	S89	3.1	0.107	0.043	4.7326	
5760 minute summer	S89	7.002	S90	4.6	0.107	0.065	5.1329	
5760 minute summer	S90	7.003	S92	6.1	0.077	0.087	6.9821	
5760 minute summer	S92	1.005	S86	23.4	0.250	0.329	3.7775	
5760 minute summer	S81	8.000	S82	1.6	0.082	0.022	4.6213	
5760 minute summer	S82	8.001	S83	3.1	0.103	0.044	5.0166	
5760 minute summer	S83	8.002	S84	4.6	0.098	0.065	5.3952	
5760 minute summer	S84	8.003	S86	6.1	0.070	0.086	6.9058	
5760 minute summer	S86	1.006	S30	29.4	0.300	0.414	3.9192	
5760 minute summer	S76	9.000	S77	1.6	0.078	0.022	4.8967	
5760 minute summer	S77	9.001	S78	3.1	0.095	0.043	5.2898	

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Results for 100 year +40% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S78	4440	-0.027	0.334	4.7	1.0750	0.0000	OK
5760 minute summer	S79	4500	-0.027	0.355	6.2	1.1227	0.0000	OK
5760 minute summer	S30	4560	-0.027	0.380	35.9	0.9684	0.0000	OK
5760 minute summer	S31	4560	-0.027	0.309	1.7	1.0249	0.0000	OK
5760 minute summer	S32	4560	-0.027	0.352	3.1	1.0884	0.0000	OK
5760 minute summer	S33	4620	-0.027	0.396	39.3	1.0088	0.0000	OK
5760 minute summer	S34	4500	-0.027	0.412	40.0	0.7285	0.0000	OK
5760 minute summer	S35	4620	-0.027	0.439	40.0	0.7760	0.0000	OK
5760 minute summer	S36	4440	-0.027	0.415	0.7	0.7336	0.0000	OK
5760 minute summer	S37	4620	-0.027	0.444	43.4	2.1829	0.0000	OK
5760 minute summer	S38	4500	-0.027	0.489	43.2	0.8640	0.0000	SURCHARGED
5760 minute summer	S39	4560	-0.027	0.535	43.0	0.9448	0.0000	SURCHARGED
5760 minute summer	S56	4560	-0.027	0.532	0.7	0.9397	0.0000	SURCHARGED
5760 minute summer	S57	4560	-0.027	0.538	42.8	1.3682	0.0000	SURCHARGED
5760 minute summer	S125	4620	-0.027	0.528	0.7	0.9332	0.0000	SURCHARGED
5760 minute summer	S127	4620	-0.028	0.551	42.7	1.4025	0.0000	SURCHARGED
5760 minute summer	S119	4380	-0.027	0.542	0.8	0.9573	0.0000	SURCHARGED
5760 minute summer	S60	4620	-0.027	0.566	42.5	1.4395	0.0000	SURCHARGED
5760 minute summer	Pond Inlet 1	4620	-0.020	0.590	42.3	1.0425	0.0000	OK
5760 minute summer	Pond Outlet	4560	-0.029	0.581	21.1	0.6569	0.0000	SURCHARGED
5760 minute summer	S13	4560	-0.030	0.608	5.8	2.1076	0.0000	SURCHARGED
5760 minute summer	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
5760 minute summer	PP-S26	3000	0.518	0.018	0.5	0.3152	0.0000	OK
5760 minute summer	PP-S25	2880	0.514	0.014	0.4	0.1738	0.0000	OK
5760 minute summer	PP-S16	2940	0.517	0.017	0.8	0.3008	0.0000	OK
5760 minute summer	PP-S145	2940	0.517	0.017	0.9	0.2893	0.0000	OK
5760 minute summer	PP-S4	2940	0.518	0.018	0.7	0.3050	0.0000	OK
5760 minute summer	PP-S1	2940	0.526	0.026	1.8	5.6586	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S78	9.002	S79	4.6	0.090	0.066	5.6540	
5760 minute summer	S79	9.003	S30	6.1	0.067	0.085	6.7280	
5760 minute summer	S30	1.007	S33	35.8	0.355	0.503	4.6077	
5760 minute summer	S31	10.000	S32	1.6	0.085	0.023	10.7631	
5760 minute summer	S32	10.001	S33	3.0	0.039	0.041	12.1278	
5760 minute summer	S33	1.008	S34	39.1	0.380	0.555	4.8383	
5760 minute summer	S34	1.009	S35	39.9	0.377	0.562	8.3137	
5760 minute summer	S35	1.010	S37	40.0	0.373	0.601	1.7868	
5760 minute summer	S36	11.000	S37	1.1	0.010	0.016	8.9463	
5760 minute summer	S37	1.011	S38	43.2	0.395	0.611	14.3108	
5760 minute summer	S38	1.012	S39	43.0	0.364	0.601	14.3287	
5760 minute summer	S39	1.013	S57	42.8	0.348	0.676	1.1814	
5760 minute summer	S56	12.011	S57	-0.7	-0.023	-0.010	2.0645	
5760 minute summer	S57	1.014	S127	42.7	0.345	0.604	4.4483	
5760 minute summer	S125	21.003	S127	-0.7	-0.004	-0.010	7.8151	
5760 minute summer	S127	1.015	S60	42.5	0.335	0.597	4.3871	
5760 minute summer	S119	22.003	S60	1.1	0.007	0.015	7.8151	
5760 minute summer	S60	1.016	Pond Inlet 1	42.3	0.414	0.558	4.7280	
5760 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	21.1	0.008	0.000	3207.5242	
5760 minute summer	Pond Outlet	1.018	S13	5.8	0.082	0.082	0.4779	
5760 minute summer	S13	Pump	Final Outfall	5.8				1080.5
5760 minute summer	PP-S26	1.000_1	S26	0.5	0.345	0.013	0.0145	
5760 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
5760 minute summer	PP-S16	3.000_1	S16	0.8	0.571	0.012	0.0070	
5760 minute summer	PP-S145	4.000_2	S145	0.9	0.691	0.011	0.0065	
5760 minute summer	PP-S4	1.000_2	S4	0.7	0.488	0.012	0.0072	
5760 minute summer	PP-S1	4.000_1	S1	1.8	0.715	0.027	0.0124	

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Results for 100 year +40% CC 5760 minute summer. 7200 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP-S5	2940	0.519	0.019	1.0	0.3762	0.0000	OK
5760 minute summer	PP-S12	2940	0.511	0.011	0.4	0.1762	0.0000	OK
5760 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	PP-S2	2940	0.513	0.013	0.6	0.3944	0.0000	OK
5760 minute summer	PP-S15	2880	0.511	0.011	0.4	0.1210	0.0000	OK
5760 minute summer	PP-S75	2880	0.511	0.011	0.4	0.1345	0.0000	OK
5760 minute summer	PP-S24	2940	0.516	0.016	1.0	0.3293	0.0000	OK
5760 minute summer	PP-S30	2880	0.510	0.010	0.4	0.1284	0.0000	OK
5760 minute summer	PP-S33	2940	0.511	0.011	0.5	0.1260	0.0000	OK
5760 minute summer	PP-S34	2940	0.514	0.014	0.9	0.2906	0.0000	OK
5760 minute summer	PP-S35	2400	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute summer	PP-S36	2940	0.513	0.013	0.7	0.1765	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP-S5	2.000_2	S5	1.0	0.653	0.013	0.0077	
5760 minute summer	PP-S12	8.000_1	S12	0.4	0.571	0.004	0.0035	
5760 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute summer	PP-S2	10.000_1	S2	0.6	0.645	0.007	0.0047	
5760 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
5760 minute summer	PP-S75	13.000_1	S75	0.4	0.606	0.004	0.0033	
5760 minute summer	PP-S24	14.000_1	S92	1.0	0.817	0.010	0.0061	
5760 minute summer	PP-S30	18.000_1	S30	0.4	0.660	0.004	0.0030	
5760 minute summer	PP-S33	20.000_1	S33	0.5	0.716	0.004	0.0035	
5760 minute summer	PP-S34	21.000_1	S34	0.9	0.873	0.008	0.0052	
5760 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute summer	PP-S36	23.000_2	S36	0.7	0.812	0.006	0.0043	

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Results for 100 year +40% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S26	4440	0.022	0.260	0.4	0.4589	0.0000	OK
5760 minute winter	S25	4440	0.022	0.266	0.3	0.6764	0.0000	OK
5760 minute winter	S16	4440	0.022	0.289	2.6	1.2803	0.0000	OK
5760 minute winter	S145	4440	0.022	0.337	5.1	1.4497	0.0000	OK
5760 minute winter	S4	4440	0.022	0.265	0.5	0.4677	0.0000	OK
5760 minute winter	S5	4440	0.022	0.306	1.3	0.5401	0.0000	OK
5760 minute winter	S9	4500	0.022	0.318	0.6	0.7320	0.0000	OK
5760 minute winter	S10	4440	0.022	0.343	1.8	0.6055	0.0000	OK
5760 minute winter	S11	4680	0.022	0.348	1.9	0.6144	0.0000	OK
5760 minute winter	S12	4440	0.022	0.357	1.7	0.6303	0.0000	OK
5760 minute winter	S1	4440	0.022	0.286	1.8	0.6728	0.0000	OK
5760 minute winter	S3	4440	0.022	0.329	2.8	1.0511	0.0000	OK
5760 minute winter	S2	4440	0.022	0.358	3.1	0.6321	0.0000	OK
5760 minute winter	S14	4620	0.022	0.331	0.2	0.5846	0.0000	OK
5760 minute winter	S15	4440	0.022	0.368	6.7	1.6551	0.0000	OK
5760 minute winter	S75	4440	0.022	0.384	11.8	0.9765	0.0000	OK
5760 minute winter	S87	4620	0.022	0.308	1.1	0.9991	0.0000	OK
5760 minute winter	S88	4440	0.022	0.330	2.3	1.0750	0.0000	OK
5760 minute winter	S89	4440	0.022	0.352	3.4	1.1398	0.0000	OK
5760 minute winter	S90	4440	0.022	0.374	4.5	1.1901	0.0000	OK
5760 minute winter	S92	4440	0.022	0.401	16.8	1.0197	0.0000	OK
5760 minute winter	S81	4500	0.022	0.324	1.1	1.0451	0.0000	OK
5760 minute winter	S82	4440	0.022	0.346	2.3	1.1222	0.0000	OK
5760 minute winter	S83	4440	0.022	0.367	3.4	1.1835	0.0000	OK
5760 minute winter	S84	4440	0.022	0.389	4.4	1.2328	0.0000	OK
5760 minute winter	S86	4440	0.022	0.415	21.1	1.0552	0.0000	OK
5760 minute winter	S76	4680	0.022	0.339	1.2	1.0884	0.0000	OK
5760 minute winter	S77	4440	0.021	0.360	2.3	1.1654	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S26	1.000	S16	0.4	0.047	0.005	5.8701	
5760 minute winter	S25	2.000	S16	0.3	0.043	0.004	4.7452	
5760 minute winter	S16	1.001	S145	2.5	0.120	0.035	11.1112	
5760 minute winter	S145	1.002	S75	5.0	0.119	0.071	12.8414	
5760 minute winter	S4	3.000	S5	0.5	0.078	0.007	8.7540	
5760 minute winter	S5	3.001	S11	1.1	0.093	0.016	10.1798	
5760 minute winter	S9	4.000	S10	1.8	0.062	0.025	6.3410	
5760 minute winter	S10	4.001	S11	0.8	0.036	0.011	1.1347	
5760 minute winter	S11	3.002	S12	1.4	0.084	0.020	2.4142	
5760 minute winter	S12	3.003	S15	1.7	0.054	0.025	3.1787	
5760 minute winter	S1	5.000	S3	1.7	0.105	0.024	9.8176	
5760 minute winter	S3	5.001	S2	2.7	0.103	0.039	7.5131	
5760 minute winter	S2	5.002	S15	3.1	0.086	0.045	2.9522	
5760 minute winter	S14	6.000	S15	-0.2	-0.003	-0.002	9.8708	
5760 minute winter	S15	3.004	S75	6.5	0.120	0.091	4.4297	
5760 minute winter	S75	1.003	S92	11.7	0.184	0.164	4.9364	
5760 minute winter	S87	7.000	S88	1.1	0.088	0.015	5.2046	
5760 minute winter	S88	7.001	S89	2.2	0.107	0.031	5.5834	
5760 minute winter	S89	7.002	S90	3.4	0.116	0.047	5.9359	
5760 minute winter	S90	7.003	S92	4.4	0.116	0.062	7.9016	
5760 minute winter	S92	1.005	S86	16.8	0.240	0.236	4.1994	
5760 minute winter	S81	8.000	S82	1.1	0.084	0.015	5.4814	
5760 minute winter	S82	8.001	S83	2.2	0.104	0.032	5.8350	
5760 minute winter	S83	8.002	S84	3.3	0.104	0.047	6.1577	
5760 minute winter	S84	8.003	S86	4.4	0.113	0.062	7.7157	
5760 minute winter	S86	1.006	S30	21.0	0.286	0.296	4.2991	
5760 minute winter	S76	9.000	S77	-1.1	0.080	-0.015	5.7275	
5760 minute winter	S77	9.001	S78	2.2	0.097	0.031	6.0688	

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Results for 100 year +40% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S78	4440	0.022	0.383	3.4	1.2296	0.0000	OK
5760 minute winter	S79	4440	0.022	0.404	4.4	1.2749	0.0000	OK
5760 minute winter	S30	4440	0.022	0.429	25.7	1.0906	0.0000	OK
5760 minute winter	S31	4620	0.021	0.357	1.2	1.1837	0.0000	OK
5760 minute winter	S32	4560	0.022	0.401	2.2	1.2373	0.0000	OK
5760 minute winter	S33	4680	0.022	0.445	28.0	1.1316	0.0000	OK
5760 minute winter	S34	4680	0.022	0.461	28.5	0.8140	0.0000	SURCHARGED
5760 minute winter	S35	4680	0.021	0.487	28.5	0.8614	0.0000	SURCHARGED
5760 minute winter	S36	4680	0.021	0.463	0.5	0.8189	0.0000	SURCHARGED
5760 minute winter	S37	4680	0.021	0.492	31.0	2.4205	0.0000	SURCHARGED
5760 minute winter	S38	4620	0.021	0.537	30.8	0.9493	0.0000	SURCHARGED
5760 minute winter	S39	4620	0.021	0.583	30.6	1.0301	0.0000	SURCHARGED
5760 minute winter	S56	4620	0.021	0.580	0.6	1.0252	0.0000	SURCHARGED
5760 minute winter	S57	4620	0.021	0.586	30.5	1.4912	0.0000	SURCHARGED
5760 minute winter	S125	4800	0.021	0.576	0.4	1.0174	0.0000	SURCHARGED
5760 minute winter	S127	4560	0.021	0.600	30.4	1.5262	0.0000	SURCHARGED
5760 minute winter	S119	4620	0.020	0.589	0.6	1.0416	0.0000	SURCHARGED
5760 minute winter	S60	4560	0.021	0.614	30.3	1.5632	0.0000	SURCHARGED
5760 minute winter	Pond Inlet 1	4620	0.021	0.631	30.1	1.1157	0.0000	OK
5760 minute winter	Pond Outlet	4500	0.019	0.629	15.1	0.7111	0.0000	SURCHARGED
5760 minute winter	S13	4500	0.018	0.656	6.7	2.2732	0.0000	SURCHARGED
5760 minute winter	Final Outfall	60	-0.740	0.000	6.7	0.0000	0.0000	OK
5760 minute winter	PP-S26	3000	0.516	0.016	0.4	0.2602	0.0000	OK
5760 minute winter	PP-S25	2580	0.512	0.012	0.3	0.1335	0.0000	OK
5760 minute winter	PP-S16	2940	0.515	0.015	0.6	0.2341	0.0000	OK
5760 minute winter	PP-S145	2700	0.514	0.014	0.6	0.2022	0.0000	OK
5760 minute winter	PP-S4	2760	0.515	0.015	0.5	0.2272	0.0000	OK
5760 minute winter	PP-S1	3000	0.522	0.022	1.3	4.3769	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S78	9.002	S79	3.3	0.095	0.048	6.3673	
5760 minute winter	S79	9.003	S30	4.4	0.097	0.061	7.4172	
5760 minute winter	S30	1.007	S33	25.6	0.335	0.360	4.9727	
5760 minute winter	S31	10.000	S32	1.1	0.086	0.016	12.2518	
5760 minute winter	S32	10.001	S33	2.1	0.079	0.029	13.2528	
5760 minute winter	S33	1.008	S34	27.9	0.358	0.395	5.1056	
5760 minute winter	S34	1.009	S35	28.4	0.356	0.400	8.5103	
5760 minute winter	S35	1.010	S37	28.4	0.352	0.428	1.7947	
5760 minute winter	S36	11.000	S37	0.4	0.010	0.006	9.1184	
5760 minute winter	S37	1.011	S38	30.8	0.374	0.436	14.3287	
5760 minute winter	S38	1.012	S39	30.6	0.347	0.428	14.3287	
5760 minute winter	S39	1.013	S57	30.5	0.334	0.482	1.1814	
5760 minute winter	S56	12.011	S57	-0.6	-0.004	-0.008	2.0645	
5760 minute winter	S57	1.014	S127	30.4	0.336	0.430	4.4483	
5760 minute winter	S125	21.003	S127	0.8	-0.017	0.011	7.8151	
5760 minute winter	S127	1.015	S60	30.3	0.329	0.425	4.3871	
5760 minute winter	S119	22.003	S60	1.1	-0.067	0.015	7.8151	
5760 minute winter	S60	1.016	Pond Inlet 1	30.1	0.469	0.398	4.7280	
5760 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	15.1	0.008	0.000	3498.4873	
5760 minute winter	Pond Outlet	1.018	S13	6.7	0.095	0.094	0.4779	
5760 minute winter	S13	Pump	Final Outfall	6.7				1351.2
5760 minute winter	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
5760 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
5760 minute winter	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
5760 minute winter	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
5760 minute winter	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
5760 minute winter	PP-S1	4.000_1	S1	1.3	0.653	0.020	0.0099	

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Results for 100 year +40% CC 5760 minute winter. 7200 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP-S5	2940	0.517	0.017	0.8	0.3083	0.0000	OK
5760 minute winter	PP-S12	2820	0.510	0.010	0.3	0.1375	0.0000	OK
5760 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	PP-S2	2760	0.511	0.011	0.4	0.2720	0.0000	OK
5760 minute winter	PP-S15	2520	0.510	0.010	0.3	0.0947	0.0000	OK
5760 minute winter	PP-S75	2640	0.509	0.009	0.3	0.1051	0.0000	OK
5760 minute winter	PP-S24	2940	0.514	0.014	0.8	0.2710	0.0000	OK
5760 minute winter	PP-S30	2700	0.509	0.009	0.3	0.0999	0.0000	OK
5760 minute winter	PP-S33	2460	0.509	0.009	0.3	0.0814	0.0000	OK
5760 minute winter	PP-S34	2640	0.512	0.012	0.6	0.2005	0.0000	OK
5760 minute winter	PP-S35	2160	0.505	0.005	0.1	0.0345	0.0000	OK
5760 minute winter	PP-S36	2700	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP-S5	2.000_2	S5	0.8	0.609	0.011	0.0066	
5760 minute winter	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
5760 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
5760 minute winter	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
5760 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
5760 minute winter	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
5760 minute winter	PP-S24	14.000_1	S92	0.8	0.764	0.008	0.0052	
5760 minute winter	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
5760 minute winter	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
5760 minute winter	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
5760 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
5760 minute winter	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 100 year +40% CC 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S26	5280	-0.027	0.211	0.4	0.3723	0.0000	OK
7200 minute summer	S25	5280	-0.027	0.217	0.4	0.5515	0.0000	OK
7200 minute summer	S16	5280	-0.027	0.240	2.9	1.0629	0.0000	OK
7200 minute summer	S145	5280	-0.027	0.288	5.8	1.2389	0.0000	OK
7200 minute summer	S4	5280	-0.027	0.216	0.6	0.3813	0.0000	OK
7200 minute summer	S5	5280	-0.027	0.257	1.5	0.4536	0.0000	OK
7200 minute summer	S9	5220	-0.027	0.269	0.5	0.6196	0.0000	OK
7200 minute summer	S10	5280	-0.027	0.294	0.5	0.5188	0.0000	OK
7200 minute summer	S11	5280	-0.027	0.299	1.8	0.5276	0.0000	OK
7200 minute summer	S12	5280	-0.027	0.308	2.0	0.5436	0.0000	OK
7200 minute summer	S1	5160	-0.027	0.237	2.0	0.5574	0.0000	OK
7200 minute summer	S3	5280	-0.027	0.280	3.2	0.8945	0.0000	OK
7200 minute summer	S2	5220	-0.027	0.309	3.6	0.5455	0.0000	OK
7200 minute summer	S14	5280	-0.027	0.282	0.2	0.4979	0.0000	OK
7200 minute summer	S15	5220	-0.027	0.319	7.8	1.4347	0.0000	OK
7200 minute summer	S75	5220	-0.027	0.335	13.6	0.8519	0.0000	OK
7200 minute summer	S87	5220	-0.027	0.259	1.3	0.8392	0.0000	OK
7200 minute summer	S88	5220	-0.027	0.281	2.6	0.9156	0.0000	OK
7200 minute summer	S89	5220	-0.027	0.303	3.8	0.9811	0.0000	OK
7200 minute summer	S90	5220	-0.027	0.325	5.0	1.0338	0.0000	OK
7200 minute summer	S92	5280	-0.027	0.352	19.4	0.8949	0.0000	OK
7200 minute summer	S81	5280	-0.027	0.275	1.3	0.8867	0.0000	OK
7200 minute summer	S82	5280	-0.027	0.297	2.6	0.9631	0.0000	OK
7200 minute summer	S83	5160	-0.027	0.318	3.8	1.0252	0.0000	OK
7200 minute summer	S84	5280	-0.027	0.340	5.0	1.0770	0.0000	OK
7200 minute summer	S86	5280	-0.027	0.366	24.2	0.9306	0.0000	OK
7200 minute summer	S76	5280	-0.027	0.290	1.3	0.9312	0.0000	OK
7200 minute summer	S77	5220	-0.028	0.311	2.6	1.0070	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S26	1.000	S16	0.4	0.047	0.006	4.6066	
7200 minute summer	S25	2.000	S16	0.4	0.043	0.005	3.7367	
7200 minute summer	S16	1.001	S145	2.8	0.124	0.040	9.1307	
7200 minute summer	S145	1.002	S75	5.7	0.118	0.081	11.0537	
7200 minute summer	S4	3.000	S5	0.6	0.075	0.008	6.9702	
7200 minute summer	S5	3.001	S11	1.4	0.101	0.019	8.4836	
7200 minute summer	S9	4.000	S10	0.5	0.060	0.007	5.3009	
7200 minute summer	S10	4.001	S11	0.4	0.039	0.006	0.9619	
7200 minute summer	S11	3.002	S12	1.7	0.085	0.024	2.0601	
7200 minute summer	S12	3.003	S15	2.0	0.058	0.029	2.7381	
7200 minute summer	S1	5.000	S3	1.9	0.106	0.027	8.0184	
7200 minute summer	S3	5.001	S2	3.1	0.104	0.044	6.3612	
7200 minute summer	S2	5.002	S15	3.6	0.087	0.053	2.5444	
7200 minute summer	S14	6.000	S15	-0.2	-0.002	-0.003	8.4094	
7200 minute summer	S15	3.004	S75	7.6	0.120	0.106	3.8634	
7200 minute summer	S75	1.003	S92	13.5	0.183	0.190	4.3683	
7200 minute summer	S87	7.000	S88	1.3	0.090	0.018	4.3016	
7200 minute summer	S88	7.001	S89	2.5	0.108	0.035	4.7165	
7200 minute summer	S89	7.002	S90	3.7	0.106	0.052	5.1163	
7200 minute summer	S90	7.003	S92	5.0	0.078	0.071	6.9621	
7200 minute summer	S92	1.005	S86	19.3	0.238	0.271	3.7689	
7200 minute summer	S81	8.000	S82	1.3	0.085	0.018	4.6021	
7200 minute summer	S82	8.001	S83	2.5	0.102	0.036	4.9988	
7200 minute summer	S83	8.002	S84	3.7	0.103	0.052	5.3784	
7200 minute summer	S84	8.003	S86	5.0	0.069	0.070	6.8885	
7200 minute summer	S86	1.006	S30	24.2	0.285	0.340	3.9111	
7200 minute summer	S76	9.000	S77	1.3	0.081	0.018	4.8788	
7200 minute summer	S77	9.001	S78	2.5	0.095	0.035	5.2739	

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Results for 100 year +40% CC 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S78	5220	-0.027	0.334	3.8	1.0723	0.0000	OK
7200 minute summer	S79	5160	-0.028	0.354	5.0	1.1198	0.0000	OK
7200 minute summer	S30	5280	-0.027	0.380	29.4	0.9661	0.0000	OK
7200 minute summer	S31	5160	-0.028	0.308	1.4	1.0217	0.0000	OK
7200 minute summer	S32	5280	-0.028	0.351	2.5	1.0853	0.0000	OK
7200 minute summer	S33	5280	-0.027	0.396	32.1	1.0068	0.0000	OK
7200 minute summer	S34	5280	-0.027	0.412	32.7	0.7273	0.0000	OK
7200 minute summer	S35	5340	-0.028	0.438	32.7	0.7743	0.0000	OK
7200 minute summer	S36	5340	-0.028	0.414	0.8	0.7322	0.0000	OK
7200 minute summer	S37	5340	-0.028	0.443	35.5	2.1787	0.0000	OK
7200 minute summer	S38	5160	-0.028	0.488	35.3	0.8630	0.0000	SURCHARGED
7200 minute summer	S39	5160	-0.028	0.534	35.1	0.9443	0.0000	SURCHARGED
7200 minute summer	S56	5280	-0.028	0.531	0.7	0.9388	0.0000	SURCHARGED
7200 minute summer	S57	5160	-0.028	0.537	35.0	1.3672	0.0000	SURCHARGED
7200 minute summer	S125	5400	-0.028	0.527	0.5	0.9311	0.0000	SURCHARGED
7200 minute summer	S127	5400	-0.028	0.551	34.9	1.4028	0.0000	SURCHARGED
7200 minute summer	S119	5340	-0.028	0.541	0.6	0.9558	0.0000	SURCHARGED
7200 minute summer	S60	5460	-0.028	0.565	34.7	1.4379	0.0000	SURCHARGED
7200 minute summer	Pond Inlet 1	5460	-0.023	0.587	34.5	1.0379	0.0000	OK
7200 minute summer	Pond Outlet	5340	-0.030	0.580	17.3	0.6559	0.0000	SURCHARGED
7200 minute summer	S13	5340	-0.030	0.608	5.8	2.1045	0.0000	SURCHARGED
7200 minute summer	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
7200 minute summer	PP-S26	3660	0.516	0.016	0.4	0.2602	0.0000	OK
7200 minute summer	PP-S25	3660	0.514	0.014	0.4	0.1738	0.0000	OK
7200 minute summer	PP-S16	3600	0.515	0.015	0.6	0.2341	0.0000	OK
7200 minute summer	PP-S145	3660	0.515	0.015	0.7	0.2335	0.0000	OK
7200 minute summer	PP-S4	3660	0.517	0.017	0.6	0.2658	0.0000	OK
7200 minute summer	PP-S1	3660	0.524	0.024	1.5	4.8912	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S78	9.002	S79	3.7	0.095	0.053	5.6396	
7200 minute summer	S79	9.003	S30	4.9	0.065	0.069	6.7131	
7200 minute summer	S30	1.007	S33	29.3	0.337	0.412	4.5999	
7200 minute summer	S31	10.000	S32	1.3	0.087	0.019	10.7297	
7200 minute summer	S32	10.001	S33	2.4	0.039	0.033	12.1029	
7200 minute summer	S33	1.008	S34	32.0	0.358	0.454	4.8321	
7200 minute summer	S34	1.009	S35	32.6	0.352	0.459	8.3062	
7200 minute summer	S35	1.010	S37	32.7	0.346	0.491	1.7855	
7200 minute summer	S36	11.000	S37	1.1	-0.039	0.016	8.9378	
7200 minute summer	S37	1.011	S38	35.3	0.363	0.500	14.3059	
7200 minute summer	S38	1.012	S39	35.1	0.326	0.491	14.3287	
7200 minute summer	S39	1.013	S57	35.0	0.306	0.552	1.1814	
7200 minute summer	S56	12.011	S57	-0.7	-0.064	-0.011	2.0645	
7200 minute summer	S57	1.014	S127	34.9	0.301	0.494	4.4483	
7200 minute summer	S125	21.003	S127	0.6	0.004	0.009	7.8151	
7200 minute summer	S127	1.015	S60	34.7	0.287	0.487	4.3871	
7200 minute summer	S119	22.003	S60	-0.6	-0.004	-0.008	7.8151	
7200 minute summer	S60	1.016	Pond Inlet 1	34.5	0.385	0.456	4.7280	
7200 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	17.3	0.008	0.000	3202.2188	
7200 minute summer	Pond Outlet	1.018	S13	5.8	0.082	0.081	0.4779	
7200 minute summer	S13	Pump	Final Outfall	5.8				1242.1
7200 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
7200 minute summer	PP-S25	2.000_1	S25	0.4	0.414	0.007	0.0048	
7200 minute summer	PP-S16	3.000_1	S16	0.6	0.524	0.009	0.0057	
7200 minute summer	PP-S145	4.000_2	S145	0.7	0.641	0.008	0.0055	
7200 minute summer	PP-S4	1.000_2	S4	0.6	0.466	0.011	0.0064	
7200 minute summer	PP-S1	4.000_1	S1	1.5	0.678	0.022	0.0109	

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Results for 100 year +40% CC 7200 minute summer. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	PP-S5	3660	0.518	0.018	0.9	0.3421	0.0000	OK
7200 minute summer	PP-S12	3540	0.510	0.010	0.3	0.1375	0.0000	OK
7200 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	PP-S2	3660	0.512	0.012	0.5	0.3326	0.0000	OK
7200 minute summer	PP-S15	3660	0.511	0.011	0.4	0.1210	0.0000	OK
7200 minute summer	PP-S75	3480	0.509	0.009	0.3	0.1051	0.0000	OK
7200 minute summer	PP-S24	3660	0.515	0.015	0.9	0.3010	0.0000	OK
7200 minute summer	PP-S30	3480	0.509	0.009	0.3	0.0999	0.0000	OK
7200 minute summer	PP-S33	3600	0.510	0.010	0.4	0.1044	0.0000	OK
7200 minute summer	PP-S34	3660	0.513	0.013	0.7	0.2302	0.0000	OK
7200 minute summer	PP-S35	3120	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute summer	PP-S36	3660	0.512	0.012	0.6	0.1538	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	PP-S5	2.000_2	S5	0.9	0.632	0.012	0.0071	
7200 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
7200 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute summer	PP-S2	10.000_1	S2	0.5	0.611	0.005	0.0041	
7200 minute summer	PP-S15	12.000_1	S15	0.4	0.586	0.004	0.0034	
7200 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
7200 minute summer	PP-S24	14.000_1	S92	0.9	0.791	0.009	0.0057	
7200 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
7200 minute summer	PP-S33	20.000_1	S33	0.4	0.673	0.004	0.0030	
7200 minute summer	PP-S34	21.000_1	S34	0.7	0.809	0.006	0.0043	
7200 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
7200 minute summer	PP-S36	23.000_2	S36	0.6	0.776	0.005	0.0039	

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Results for 100 year +40% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S26	5340	0.023	0.261	0.3	0.4605	0.0000	OK
7200 minute winter	S25	5340	0.023	0.267	0.3	0.6788	0.0000	OK
7200 minute winter	S16	5340	0.023	0.290	2.2	1.2843	0.0000	OK
7200 minute winter	S145	5340	0.023	0.338	4.3	1.4540	0.0000	OK
7200 minute winter	S4	5340	0.023	0.266	0.4	0.4696	0.0000	OK
7200 minute winter	S5	5340	0.023	0.307	1.0	0.5420	0.0000	OK
7200 minute winter	S9	5520	0.023	0.319	1.2	0.7357	0.0000	OK
7200 minute winter	S10	5340	0.023	0.344	1.6	0.6074	0.0000	OK
7200 minute winter	S11	5340	0.023	0.349	1.7	0.6163	0.0000	OK
7200 minute winter	S12	5340	0.023	0.358	1.3	0.6322	0.0000	OK
7200 minute winter	S1	5340	0.023	0.287	1.5	0.6751	0.0000	OK
7200 minute winter	S3	5340	0.023	0.330	2.3	1.0546	0.0000	OK
7200 minute winter	S2	5340	0.023	0.359	2.5	0.6338	0.0000	OK
7200 minute winter	S14	5340	0.023	0.332	0.2	0.5862	0.0000	OK
7200 minute winter	S15	5340	0.023	0.369	5.3	1.6595	0.0000	OK
7200 minute winter	S75	5340	0.023	0.385	9.5	0.9791	0.0000	OK
7200 minute winter	S87	5400	0.023	0.309	0.9	1.0014	0.0000	OK
7200 minute winter	S88	5340	0.023	0.331	1.9	1.0781	0.0000	OK
7200 minute winter	S89	5340	0.023	0.353	2.8	1.1429	0.0000	OK
7200 minute winter	S90	5460	0.023	0.375	3.6	1.1940	0.0000	OK
7200 minute winter	S92	5340	0.023	0.402	13.6	1.0221	0.0000	OK
7200 minute winter	S81	5340	0.022	0.324	0.9	1.0477	0.0000	OK
7200 minute winter	S82	5340	0.023	0.347	1.9	1.1253	0.0000	OK
7200 minute winter	S83	5340	0.023	0.368	2.8	1.1870	0.0000	OK
7200 minute winter	S84	5340	0.023	0.390	3.6	1.2362	0.0000	OK
7200 minute winter	S86	5340	0.023	0.416	17.1	1.0576	0.0000	OK
7200 minute winter	S76	5340	0.023	0.340	0.9	1.0915	0.0000	OK
7200 minute winter	S77	5340	0.023	0.362	1.9	1.1689	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S26	1.000	S16	0.3	0.047	0.004	5.8930	
7200 minute winter	S25	2.000	S16	0.3	0.043	0.004	4.7636	
7200 minute winter	S16	1.001	S145	2.1	0.120	0.030	11.1475	
7200 minute winter	S145	1.002	S75	4.2	0.119	0.060	12.8745	
7200 minute winter	S4	3.000	S5	0.4	0.075	0.005	8.7917	
7200 minute winter	S5	3.001	S11	0.9	0.091	0.013	10.2157	
7200 minute winter	S9	4.000	S10	1.6	0.063	0.022	6.3595	
7200 minute winter	S10	4.001	S11	0.7	0.038	0.010	1.1383	
7200 minute winter	S11	3.002	S12	1.1	0.090	0.016	2.4214	
7200 minute winter	S12	3.003	S15	1.3	0.060	0.019	3.1871	
7200 minute winter	S1	5.000	S3	1.4	0.105	0.020	9.8539	
7200 minute winter	S3	5.001	S2	2.2	0.104	0.032	7.5352	
7200 minute winter	S2	5.002	S15	2.5	0.087	0.036	2.9594	
7200 minute winter	S14	6.000	S15	-0.2	-0.002	-0.003	9.9001	
7200 minute winter	S15	3.004	S75	5.2	0.121	0.072	4.4401	
7200 minute winter	S75	1.003	S92	9.4	0.182	0.132	4.9464	
7200 minute winter	S87	7.000	S88	0.9	0.091	0.012	5.2223	
7200 minute winter	S88	7.001	S89	1.8	0.107	0.025	5.5992	
7200 minute winter	S89	7.002	S90	2.7	0.107	0.039	5.9518	
7200 minute winter	S90	7.003	S92	3.6	0.085	0.051	7.9193	
7200 minute winter	S92	1.005	S86	13.5	0.233	0.190	4.2066	
7200 minute winter	S81	8.000	S82	0.9	0.084	0.012	5.4975	
7200 minute winter	S82	8.001	S83	1.8	0.103	0.026	5.8509	
7200 minute winter	S83	8.002	S84	2.7	0.103	0.038	6.1728	
7200 minute winter	S84	8.003	S86	3.6	0.074	0.050	7.7305	
7200 minute winter	S86	1.006	S30	17.0	0.273	0.240	4.3048	
7200 minute winter	S76	9.000	S77	1.1	0.080	0.015	5.7449	
7200 minute winter	S77	9.001	S78	1.8	0.095	0.025	6.0836	

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Results for 100 year +40% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S78	5340	0.023	0.384	2.8	1.2326	0.0000	OK
7200 minute winter	S79	5340	0.023	0.405	3.6	1.2780	0.0000	OK
7200 minute winter	S30	5340	0.022	0.429	20.8	1.0930	0.0000	OK
7200 minute winter	S31	5340	0.022	0.358	1.0	1.1869	0.0000	OK
7200 minute winter	S32	5340	0.022	0.401	1.9	1.2390	0.0000	OK
7200 minute winter	S33	5340	0.022	0.445	22.7	1.1330	0.0000	OK
7200 minute winter	S34	5460	0.022	0.461	23.1	0.8148	0.0000	SURCHARGED
7200 minute winter	S35	5460	0.022	0.488	23.1	0.8631	0.0000	SURCHARGED
7200 minute winter	S36	5460	0.023	0.465	0.4	0.8221	0.0000	SURCHARGED
7200 minute winter	S37	5460	0.022	0.493	25.1	2.4259	0.0000	SURCHARGED
7200 minute winter	S38	5520	0.021	0.537	25.0	0.9495	0.0000	SURCHARGED
7200 minute winter	S39	5520	0.021	0.583	24.8	1.0310	0.0000	SURCHARGED
7200 minute winter	S56	5520	0.021	0.580	0.4	1.0255	0.0000	SURCHARGED
7200 minute winter	S57	5520	0.021	0.586	24.7	1.4924	0.0000	SURCHARGED
7200 minute winter	S125	5460	0.022	0.577	0.4	1.0202	0.0000	SURCHARGED
7200 minute winter	S127	5520	0.021	0.600	24.7	1.5278	0.0000	SURCHARGED
7200 minute winter	S119	5460	0.024	0.593	0.5	1.0472	0.0000	SURCHARGED
7200 minute winter	S60	5460	0.022	0.615	24.5	1.5661	0.0000	SURCHARGED
7200 minute winter	Pond Inlet 1	5280	0.022	0.632	24.4	1.1170	0.0000	OK
7200 minute winter	Pond Outlet	5400	0.020	0.630	12.3	0.7121	0.0000	SURCHARGED
7200 minute winter	S13	5400	0.019	0.657	6.7	2.2763	0.0000	SURCHARGED
7200 minute winter	Final Outfall	60	-0.740	0.000	6.7	0.0000	0.0000	OK
7200 minute winter	PP-S26	3420	0.514	0.014	0.3	0.2027	0.0000	OK
7200 minute winter	PP-S25	3600	0.512	0.012	0.3	0.1335	0.0000	OK
7200 minute winter	PP-S16	3660	0.514	0.014	0.5	0.1986	0.0000	OK
7200 minute winter	PP-S145	3300	0.513	0.013	0.5	0.1714	0.0000	OK
7200 minute winter	PP-S4	3300	0.514	0.014	0.4	0.1852	0.0000	OK
7200 minute winter	PP-S1	3660	0.520	0.020	1.1	3.7154	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S78	9.002	S79	2.7	0.097	0.039	6.3799	
7200 minute winter	S79	9.003	S30	3.6	0.069	0.050	7.4279	
7200 minute winter	S30	1.007	S33	20.7	0.319	0.291	4.9766	
7200 minute winter	S31	10.000	S32	1.0	0.085	0.014	12.2805	
7200 minute winter	S32	10.001	S33	1.7	0.041	0.024	13.2653	
7200 minute winter	S33	1.008	S34	22.6	0.339	0.320	5.1067	
7200 minute winter	S34	1.009	S35	23.0	0.335	0.324	8.5103	
7200 minute winter	S35	1.010	S37	23.0	0.330	0.347	1.7947	
7200 minute winter	S36	11.000	S37	0.4	0.010	0.006	9.1184	
7200 minute winter	S37	1.011	S38	25.0	0.346	0.353	14.3287	
7200 minute winter	S38	1.012	S39	24.8	0.312	0.347	14.3287	
7200 minute winter	S39	1.013	S57	24.7	0.295	0.390	1.1814	
7200 minute winter	S56	12.011	S57	-0.4	-0.003	-0.006	2.0645	
7200 minute winter	S57	1.014	S127	24.7	0.295	0.349	4.4483	
7200 minute winter	S125	21.003	S127	0.5	-0.008	0.007	7.8151	
7200 minute winter	S127	1.015	S60	24.5	0.294	0.344	4.3871	
7200 minute winter	S119	22.003	S60	0.5	-0.009	0.007	7.8151	
7200 minute winter	S60	1.016	Pond Inlet 1	24.4	0.446	0.322	4.7280	
7200 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	12.3	0.007	0.000	3503.8464	
7200 minute winter	Pond Outlet	1.018	S13	6.7	0.095	0.095	0.4779	
7200 minute winter	S13	Pump	Final Outfall	6.7				1561.1
7200 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
7200 minute winter	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
7200 minute winter	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
7200 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
7200 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
7200 minute winter	PP-S1	4.000_1	S1	1.1	0.619	0.016	0.0087	

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Results for 100 year +40% CC 7200 minute winter. 8640 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	PP-S5	3420	0.515	0.015	0.6	0.2410	0.0000	OK
7200 minute winter	PP-S12	2940	0.508	0.008	0.2	0.0962	0.0000	OK
7200 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	PP-S2	3180	0.510	0.010	0.3	0.2120	0.0000	OK
7200 minute winter	PP-S15	3540	0.510	0.010	0.3	0.0947	0.0000	OK
7200 minute winter	PP-S75	2820	0.508	0.008	0.2	0.0739	0.0000	OK
7200 minute winter	PP-S24	3420	0.513	0.013	0.6	0.2082	0.0000	OK
7200 minute winter	PP-S30	2940	0.507	0.007	0.2	0.0702	0.0000	OK
7200 minute winter	PP-S33	3360	0.509	0.009	0.3	0.0814	0.0000	OK
7200 minute winter	PP-S34	3240	0.511	0.011	0.5	0.1713	0.0000	OK
7200 minute winter	PP-S35	2880	0.505	0.005	0.1	0.0345	0.0000	OK
7200 minute winter	PP-S36	3240	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
7200 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
7200 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
7200 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
7200 minute winter	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
7200 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
7200 minute winter	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
7200 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
7200 minute winter	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
7200 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
7200 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
7200 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +40% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S26	6060	-0.027	0.211	0.4	0.3733	0.0000	OK
8640 minute summer	S25	6060	-0.027	0.217	0.3	0.5528	0.0000	OK
8640 minute summer	S16	6060	-0.027	0.240	2.5	1.0650	0.0000	OK
8640 minute summer	S145	5940	-0.027	0.288	5.1	1.2405	0.0000	OK
8640 minute summer	S4	6000	-0.027	0.216	0.5	0.3818	0.0000	OK
8640 minute summer	S5	5940	-0.027	0.257	1.2	0.4543	0.0000	OK
8640 minute summer	S9	5940	-0.027	0.269	0.5	0.6204	0.0000	OK
8640 minute summer	S10	6060	-0.027	0.294	0.5	0.5199	0.0000	OK
8640 minute summer	S11	6060	-0.027	0.299	1.4	0.5287	0.0000	OK
8640 minute summer	S12	6060	-0.027	0.308	1.7	0.5446	0.0000	OK
8640 minute summer	S1	6000	-0.027	0.237	1.6	0.5584	0.0000	OK
8640 minute summer	S3	6060	-0.027	0.280	2.6	0.8959	0.0000	OK
8640 minute summer	S2	6000	-0.027	0.309	3.0	0.5462	0.0000	OK
8640 minute summer	S14	6060	-0.027	0.282	0.1	0.4986	0.0000	OK
8640 minute summer	S15	6060	-0.027	0.319	6.4	1.4363	0.0000	OK
8640 minute summer	S75	5940	-0.027	0.335	11.5	0.8529	0.0000	OK
8640 minute summer	S87	6060	-0.027	0.259	1.1	0.8407	0.0000	OK
8640 minute summer	S88	6060	-0.027	0.281	2.2	0.9171	0.0000	OK
8640 minute summer	S89	6000	-0.027	0.303	3.2	0.9823	0.0000	OK
8640 minute summer	S90	6000	-0.027	0.325	4.3	1.0354	0.0000	OK
8640 minute summer	S92	6060	-0.027	0.352	16.3	0.8962	0.0000	OK
8640 minute summer	S81	6060	-0.027	0.275	1.1	0.8884	0.0000	OK
8640 minute summer	S82	6060	-0.027	0.297	2.2	0.9646	0.0000	OK
8640 minute summer	S83	6060	-0.027	0.318	3.2	1.0269	0.0000	OK
8640 minute summer	S84	6060	-0.027	0.340	4.3	1.0790	0.0000	OK
8640 minute summer	S86	6000	-0.027	0.366	20.4	0.9317	0.0000	OK
8640 minute summer	S76	6060	-0.027	0.290	1.1	0.9324	0.0000	OK
8640 minute summer	S77	6060	-0.027	0.312	2.2	1.0091	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S26	1.000	S16	0.4	0.047	0.005	4.6195	
8640 minute summer	S25	2.000	S16	0.3	0.043	0.004	3.7468	
8640 minute summer	S16	1.001	S145	2.5	0.123	0.034	9.1473	
8640 minute summer	S145	1.002	S75	5.0	0.118	0.070	11.0692	
8640 minute summer	S4	3.000	S5	0.5	0.078	0.007	6.9834	
8640 minute summer	S5	3.001	S11	1.1	0.101	0.015	8.5008	
8640 minute summer	S9	4.000	S10	0.5	0.060	0.008	5.3107	
8640 minute summer	S10	4.001	S11	0.5	0.039	0.007	0.9641	
8640 minute summer	S11	3.002	S12	1.4	0.085	0.020	2.0645	
8640 minute summer	S12	3.003	S15	1.7	0.058	0.024	2.7425	
8640 minute summer	S1	5.000	S3	1.6	0.105	0.022	8.0335	
8640 minute summer	S3	5.001	S2	2.6	0.104	0.036	6.3708	
8640 minute summer	S2	5.002	S15	2.9	0.087	0.043	2.5475	
8640 minute summer	S14	6.000	S15	0.3	0.003	0.004	8.4213	
8640 minute summer	S15	3.004	S75	6.2	0.120	0.087	3.8681	
8640 minute summer	S75	1.003	S92	11.4	0.183	0.160	4.3741	
8640 minute summer	S87	7.000	S88	1.1	0.090	0.015	4.3106	
8640 minute summer	S88	7.001	S89	2.1	0.107	0.030	4.7239	
8640 minute summer	S89	7.002	S90	3.2	0.106	0.045	5.1240	
8640 minute summer	S90	7.003	S92	4.2	0.083	0.060	6.9726	
8640 minute summer	S92	1.005	S86	16.2	0.234	0.229	3.7736	
8640 minute summer	S81	8.000	S82	1.1	0.084	0.015	4.6115	
8640 minute summer	S82	8.001	S83	2.1	0.102	0.030	5.0078	
8640 minute summer	S83	8.002	S84	3.2	0.103	0.044	5.3884	
8640 minute summer	S84	8.003	S86	4.2	0.074	0.059	6.8987	
8640 minute summer	S86	1.006	S30	20.4	0.275	0.287	3.9152	
8640 minute summer	S76	9.000	S77	1.1	0.080	0.015	4.8884	
8640 minute summer	S77	9.001	S78	2.1	0.095	0.030	5.2830	

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Results for 100 year +40% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S78	6060	-0.027	0.334	3.2	1.0735	0.0000	OK
8640 minute summer	S79	6060	-0.027	0.355	4.3	1.1220	0.0000	OK
8640 minute summer	S30	6060	-0.027	0.380	24.9	0.9672	0.0000	OK
8640 minute summer	S31	6060	-0.027	0.309	1.2	1.0234	0.0000	OK
8640 minute summer	S32	6060	-0.027	0.352	2.2	1.0871	0.0000	OK
8640 minute summer	S33	6060	-0.027	0.396	27.2	1.0077	0.0000	OK
8640 minute summer	S34	6000	-0.027	0.412	27.7	0.7276	0.0000	OK
8640 minute summer	S35	6060	-0.027	0.439	27.7	0.7751	0.0000	OK
8640 minute summer	S36	5940	-0.027	0.415	1.4	0.7329	0.0000	OK
8640 minute summer	S37	6060	-0.027	0.444	30.1	2.1808	0.0000	OK
8640 minute summer	S38	6120	-0.028	0.488	30.0	0.8630	0.0000	SURCHARGED
8640 minute summer	S39	6000	-0.028	0.534	29.8	0.9440	0.0000	SURCHARGED
8640 minute summer	S56	6000	-0.028	0.531	0.7	0.9385	0.0000	SURCHARGED
8640 minute summer	S57	6000	-0.028	0.537	29.7	1.3668	0.0000	SURCHARGED
8640 minute summer	S125	6300	-0.027	0.528	0.7	0.9323	0.0000	SURCHARGED
8640 minute summer	S127	6060	-0.028	0.551	29.6	1.4016	0.0000	SURCHARGED
8640 minute summer	S119	6060	-0.028	0.541	0.9	0.9561	0.0000	SURCHARGED
8640 minute summer	S60	6120	-0.028	0.565	29.4	1.4372	0.0000	SURCHARGED
8640 minute summer	Pond Inlet 1	6600	-0.026	0.584	36.5	1.0322	0.0000	OK
8640 minute summer	Pond Outlet	6060	-0.030	0.580	24.5	0.6564	0.0000	SURCHARGED
8640 minute summer	S13	6060	-0.030	0.608	5.8	2.1062	0.0000	SURCHARGED
8640 minute summer	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
8640 minute summer	PP-S26	4380	0.516	0.016	0.4	0.2602	0.0000	OK
8640 minute summer	PP-S25	4260	0.512	0.012	0.3	0.1335	0.0000	OK
8640 minute summer	PP-S16	4260	0.514	0.014	0.5	0.1986	0.0000	OK
8640 minute summer	PP-S145	4320	0.514	0.014	0.6	0.2022	0.0000	OK
8640 minute summer	PP-S4	4380	0.515	0.015	0.5	0.2272	0.0000	OK
8640 minute summer	PP-S1	4440	0.521	0.021	1.2	4.0763	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S78	9.002	S79	3.2	0.098	0.045	5.6488	
8640 minute summer	S79	9.003	S30	4.2	0.062	0.058	6.7231	
8640 minute summer	S30	1.007	S33	24.8	0.322	0.348	4.6036	
8640 minute summer	S31	10.000	S32	1.1	0.084	0.016	10.7486	
8640 minute summer	S32	10.001	S33	2.1	0.039	0.030	12.1163	
8640 minute summer	S33	1.008	S34	27.1	0.340	0.384	4.8344	
8640 minute summer	S34	1.009	S35	27.6	0.334	0.389	8.3092	
8640 minute summer	S35	1.010	S37	27.7	0.328	0.416	1.7861	
8640 minute summer	S36	11.000	S37	-1.4	-0.037	-0.020	8.9420	
8640 minute summer	S37	1.011	S38	30.0	0.339	0.424	14.3084	
8640 minute summer	S38	1.012	S39	29.8	0.294	0.417	14.3287	
8640 minute summer	S39	1.013	S57	29.7	0.270	0.468	1.1814	
8640 minute summer	S56	12.011	S57	0.7	-0.064	0.010	2.0645	
8640 minute summer	S57	1.014	S127	29.6	0.263	0.419	4.4483	
8640 minute summer	S125	21.003	S127	1.0	0.006	0.014	7.8151	
8640 minute summer	S127	1.015	S60	29.4	0.266	0.413	4.3871	
8640 minute summer	S119	22.003	S60	1.0	0.006	0.015	7.8151	
8640 minute summer	S60	1.016	Pond Inlet 1	29.3	0.374	0.387	4.7280	
8640 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	24.5	0.008	0.001	3205.1584	
8640 minute summer	Pond Outlet	1.018	S13	5.8	0.084	0.082	0.4779	
8640 minute summer	S13	Pump	Final Outfall	5.8				1417.9
8640 minute summer	PP-S26	1.000_1	S26	0.4	0.328	0.010	0.0122	
8640 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
8640 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
8640 minute summer	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
8640 minute summer	PP-S4	1.000_2	S4	0.5	0.441	0.009	0.0057	
8640 minute summer	PP-S1	4.000_1	S1	1.2	0.638	0.018	0.0094	

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Results for 100 year +40% CC 8640 minute summer. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP-S5	4320	0.516	0.016	0.7	0.2748	0.0000	OK
8640 minute summer	PP-S12	4380	0.510	0.010	0.3	0.1375	0.0000	OK
8640 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	PP-S2	4380	0.511	0.011	0.4	0.2720	0.0000	OK
8640 minute summer	PP-S15	4200	0.510	0.010	0.3	0.0947	0.0000	OK
8640 minute summer	PP-S75	4320	0.509	0.009	0.3	0.1051	0.0000	OK
8640 minute summer	PP-S24	4320	0.514	0.014	0.7	0.2394	0.0000	OK
8640 minute summer	PP-S30	4320	0.509	0.009	0.3	0.0999	0.0000	OK
8640 minute summer	PP-S33	4140	0.509	0.009	0.3	0.0814	0.0000	OK
8640 minute summer	PP-S34	4260	0.512	0.012	0.6	0.2005	0.0000	OK
8640 minute summer	PP-S35	3840	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute summer	PP-S36	4320	0.511	0.011	0.5	0.1315	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP-S5	2.000_2	S5	0.7	0.585	0.009	0.0060	
8640 minute summer	PP-S12	8.000_1	S12	0.3	0.528	0.003	0.0028	
8640 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute summer	PP-S2	10.000_1	S2	0.4	0.573	0.004	0.0035	
8640 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
8640 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
8640 minute summer	PP-S24	14.000_1	S92	0.7	0.733	0.007	0.0048	
8640 minute summer	PP-S30	18.000_1	S30	0.3	0.610	0.003	0.0025	
8640 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
8640 minute summer	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
8640 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
8640 minute summer	PP-S36	23.000_2	S36	0.5	0.737	0.004	0.0034	

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Results for 100 year +40% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S26	6240	0.018	0.256	0.3	0.4520	0.0000	OK
8640 minute winter	S25	6240	0.018	0.262	0.2	0.6665	0.0000	OK
8640 minute winter	S16	6240	0.018	0.285	1.9	1.2631	0.0000	OK
8640 minute winter	S145	6240	0.018	0.333	3.7	1.4333	0.0000	OK
8640 minute winter	S4	6300	0.018	0.261	0.4	0.4608	0.0000	OK
8640 minute winter	S5	6240	0.018	0.302	1.2	0.5334	0.0000	OK
8640 minute winter	S9	6480	0.018	0.314	3.0	0.7239	0.0000	OK
8640 minute winter	S10	6360	0.018	0.339	1.6	0.5989	0.0000	OK
8640 minute winter	S11	6360	0.018	0.344	2.1	0.6077	0.0000	OK
8640 minute winter	S12	6300	0.018	0.353	2.9	0.6235	0.0000	OK
8640 minute winter	S1	6360	0.018	0.282	1.2	0.6640	0.0000	OK
8640 minute winter	S3	6300	0.018	0.325	2.0	1.0389	0.0000	OK
8640 minute winter	S2	6300	0.018	0.354	2.9	0.6255	0.0000	OK
8640 minute winter	S14	6240	0.018	0.327	0.3	0.5776	0.0000	OK
8640 minute winter	S15	6300	0.018	0.364	4.6	1.6379	0.0000	OK
8640 minute winter	S75	6420	0.018	0.380	8.2	0.9670	0.0000	OK
8640 minute winter	S87	6240	0.018	0.304	0.8	0.9855	0.0000	OK
8640 minute winter	S88	6300	0.018	0.326	1.8	1.0628	0.0000	OK
8640 minute winter	S89	6300	0.018	0.348	2.3	1.1278	0.0000	OK
8640 minute winter	S90	6360	0.018	0.370	3.1	1.1792	0.0000	OK
8640 minute winter	S92	6360	0.018	0.397	11.6	1.0102	0.0000	OK
8640 minute winter	S81	6300	0.018	0.320	0.8	1.0330	0.0000	OK
8640 minute winter	S82	6300	0.018	0.342	1.6	1.1100	0.0000	OK
8640 minute winter	S83	6240	0.018	0.363	2.3	1.1710	0.0000	OK
8640 minute winter	S84	6240	0.018	0.385	3.1	1.2203	0.0000	OK
8640 minute winter	S86	6360	0.018	0.411	14.6	1.0455	0.0000	OK
8640 minute winter	S76	6300	0.018	0.335	0.8	1.0781	0.0000	OK
8640 minute winter	S77	6360	0.018	0.357	1.6	1.1534	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S26	1.000	S16	0.3	0.050	0.004	5.7717	
8640 minute winter	S25	2.000	S16	0.2	0.043	0.003	4.6665	
8640 minute winter	S16	1.001	S145	1.8	0.120	0.025	10.9605	
8640 minute winter	S145	1.002	S75	3.6	0.118	0.050	12.7110	
8640 minute winter	S4	3.000	S5	0.4	0.078	0.005	8.6160	
8640 minute winter	S5	3.001	S11	-0.8	0.101	-0.011	10.0541	
8640 minute winter	S9	4.000	S10	-3.0	0.061	-0.043	6.2627	
8640 minute winter	S10	4.001	S11	-0.8	0.040	-0.010	1.1223	
8640 minute winter	S11	3.002	S12	2.9	0.086	0.041	2.3884	
8640 minute winter	S12	3.003	S15	3.6	0.059	0.052	3.1468	
8640 minute winter	S1	5.000	S3	1.2	0.106	0.016	9.6811	
8640 minute winter	S3	5.001	S2	1.9	0.104	0.027	7.4290	
8640 minute winter	S2	5.002	S15	2.2	0.086	0.032	2.9230	
8640 minute winter	S14	6.000	S15	0.8	0.007	0.011	9.7645	
8640 minute winter	S15	3.004	S75	4.5	0.122	0.063	4.3888	
8640 minute winter	S75	1.003	S92	8.1	0.179	0.114	4.8976	
8640 minute winter	S87	7.000	S88	1.7	0.090	0.025	5.1364	
8640 minute winter	S88	7.001	S89	1.5	0.108	0.022	5.5216	
8640 minute winter	S89	7.002	S90	2.3	0.107	0.032	5.8798	
8640 minute winter	S90	7.003	S92	3.1	0.088	0.043	7.8414	
8640 minute winter	S92	1.005	S86	11.6	0.226	0.163	4.1716	
8640 minute winter	S81	8.000	S82	1.4	0.085	0.020	5.4182	
8640 minute winter	S82	8.001	S83	1.5	0.103	0.022	5.7732	
8640 minute winter	S83	8.002	S84	2.3	0.103	0.032	6.1014	
8640 minute winter	S84	8.003	S86	3.0	0.076	0.043	7.6587	
8640 minute winter	S86	1.006	S30	14.5	0.266	0.204	4.2753	
8640 minute winter	S76	9.000	S77	0.9	0.081	0.013	5.6720	
8640 minute winter	S77	9.001	S78	1.5	0.095	0.021	6.0123	

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Results for 100 year +40% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S78	6420	0.018	0.379	2.3	1.2178	0.0000	OK
8640 minute winter	S79	6240	0.018	0.400	3.1	1.2626	0.0000	OK
8640 minute winter	S30	6300	0.018	0.425	17.7	1.0810	0.0000	OK
8640 minute winter	S31	6360	0.018	0.354	0.9	1.1730	0.0000	OK
8640 minute winter	S32	6240	0.017	0.396	1.6	1.2243	0.0000	OK
8640 minute winter	S33	6300	0.018	0.441	19.3	1.1223	0.0000	OK
8640 minute winter	S34	6300	0.018	0.457	19.7	0.8076	0.0000	SURCHARGED
8640 minute winter	S35	6300	0.018	0.484	19.8	0.8555	0.0000	SURCHARGED
8640 minute winter	S36	6360	0.018	0.460	0.9	0.8133	0.0000	SURCHARGED
8640 minute winter	S37	6300	0.018	0.489	21.4	2.4044	0.0000	SURCHARGED
8640 minute winter	S38	6420	0.018	0.534	21.3	0.9427	0.0000	SURCHARGED
8640 minute winter	S39	6420	0.018	0.580	21.1	1.0247	0.0000	SURCHARGED
8640 minute winter	S56	6420	0.018	0.577	0.4	1.0195	0.0000	SURCHARGED
8640 minute winter	S57	6420	0.018	0.583	21.1	1.4835	0.0000	SURCHARGED
8640 minute winter	S125	6480	0.019	0.574	1.5	1.0138	0.0000	SURCHARGED
8640 minute winter	S127	6420	0.018	0.597	21.0	1.5183	0.0000	SURCHARGED
8640 minute winter	S119	6480	0.019	0.588	1.2	1.0383	0.0000	SURCHARGED
8640 minute winter	S60	6420	0.017	0.610	20.9	1.5523	0.0000	SURCHARGED
8640 minute winter	Pond Inlet 1	6180	0.017	0.627	30.5	1.1081	0.0000	OK
8640 minute winter	Pond Outlet	6300	0.015	0.625	12.6	0.7069	0.0000	SURCHARGED
8640 minute winter	S13	6300	0.015	0.653	6.6	2.2605	0.0000	SURCHARGED
8640 minute winter	Final Outfall	60	-0.740	0.000	6.6	0.0000	0.0000	OK
8640 minute winter	PP-S26	4440	0.514	0.014	0.3	0.2027	0.0000	OK
8640 minute winter	PP-S25	3540	0.510	0.010	0.2	0.0943	0.0000	OK
8640 minute winter	PP-S16	4080	0.513	0.013	0.4	0.1619	0.0000	OK
8640 minute winter	PP-S145	4380	0.513	0.013	0.5	0.1714	0.0000	OK
8640 minute winter	PP-S4	4320	0.514	0.014	0.4	0.1852	0.0000	OK
8640 minute winter	PP-S1	4620	0.519	0.019	0.9	3.1238	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S78	9.002	S79	2.3	0.097	0.033	6.3172	
8640 minute winter	S79	9.003	S30	3.0	0.069	0.042	7.3726	
8640 minute winter	S30	1.007	S33	17.7	0.309	0.248	4.9543	
8640 minute winter	S31	10.000	S32	0.8	0.085	0.012	12.1486	
8640 minute winter	S32	10.001	S33	1.5	0.041	0.021	13.1838	
8640 minute winter	S33	1.008	S34	19.2	0.328	0.273	5.0982	
8640 minute winter	S34	1.009	S35	19.7	0.321	0.277	8.5103	
8640 minute winter	S35	1.010	S37	19.7	0.313	0.296	1.7947	
8640 minute winter	S36	11.000	S37	1.1	0.011	0.016	9.1184	
8640 minute winter	S37	1.011	S38	21.3	0.328	0.301	14.3287	
8640 minute winter	S38	1.012	S39	21.1	0.297	0.296	14.3287	
8640 minute winter	S39	1.013	S57	21.1	0.283	0.332	1.1814	
8640 minute winter	S56	12.011	S57	0.9	0.006	0.013	2.0645	
8640 minute winter	S57	1.014	S127	21.0	0.284	0.297	4.4483	
8640 minute winter	S125	21.003	S127	-1.5	-0.009	-0.021	7.8151	
8640 minute winter	S127	1.015	S60	20.9	0.277	0.293	4.3871	
8640 minute winter	S119	22.003	S60	-1.2	-0.008	-0.017	7.8151	
8640 minute winter	S60	1.016	Pond Inlet 1	20.8	0.390	0.275	4.7280	
8640 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	12.6	0.007	0.000	3476.1609	
8640 minute winter	Pond Outlet	1.018	S13	6.6	0.094	0.093	0.4779	
8640 minute winter	S13	Pump	Final Outfall	6.6				1741.2
8640 minute winter	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
8640 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
8640 minute winter	PP-S16	3.000_1	S16	0.4	0.463	0.006	0.0043	
8640 minute winter	PP-S145	4.000_2	S145	0.5	0.578	0.006	0.0043	
8640 minute winter	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
8640 minute winter	PP-S1	4.000_1	S1	0.9	0.585	0.014	0.0077	

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Results for 100 year +40% CC 8640 minute winter. 10080 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP-S5	3900	0.513	0.013	0.5	0.2037	0.0000	OK
8640 minute winter	PP-S12	3780	0.508	0.008	0.2	0.0962	0.0000	OK
8640 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	PP-S2	4080	0.510	0.010	0.3	0.2120	0.0000	OK
8640 minute winter	PP-S15	3540	0.508	0.008	0.2	0.0668	0.0000	OK
8640 minute winter	PP-S75	3600	0.508	0.008	0.2	0.0739	0.0000	OK
8640 minute winter	PP-S24	3900	0.512	0.012	0.5	0.1774	0.0000	OK
8640 minute winter	PP-S30	3720	0.507	0.007	0.2	0.0702	0.0000	OK
8640 minute winter	PP-S33	3420	0.507	0.007	0.2	0.0576	0.0000	OK
8640 minute winter	PP-S34	4320	0.511	0.011	0.5	0.1713	0.0000	OK
8640 minute winter	PP-S35	3660	0.505	0.005	0.1	0.0345	0.0000	OK
8640 minute winter	PP-S36	4380	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
8640 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
8640 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
8640 minute winter	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
8640 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
8640 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
8640 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
8640 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
8640 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
8640 minute winter	PP-S34	21.000_1	S34	0.5	0.734	0.004	0.0034	
8640 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
8640 minute winter	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +40% CC 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S26	6780	-0.026	0.212	0.3	0.3751	0.0000	OK
10080 minute summer	S25	6780	-0.026	0.218	0.3	0.5556	0.0000	OK
10080 minute summer	S16	6780	-0.026	0.241	2.3	1.0698	0.0000	OK
10080 minute summer	S145	6780	-0.026	0.289	4.5	1.2458	0.0000	OK
10080 minute summer	S4	6780	-0.026	0.217	0.4	0.3840	0.0000	OK
10080 minute summer	S5	6780	-0.026	0.258	1.0	0.4563	0.0000	OK
10080 minute summer	S9	6840	-0.026	0.270	0.8	0.6223	0.0000	OK
10080 minute summer	S10	6780	-0.026	0.295	0.4	0.5219	0.0000	OK
10080 minute summer	S11	6780	-0.026	0.300	1.2	0.5307	0.0000	OK
10080 minute summer	S12	6780	-0.026	0.309	1.4	0.5465	0.0000	OK
10080 minute summer	S1	6780	-0.026	0.238	1.5	0.5611	0.0000	OK
10080 minute summer	S3	6780	-0.026	0.281	2.4	0.8995	0.0000	OK
10080 minute summer	S2	6780	-0.026	0.310	2.7	0.5481	0.0000	OK
10080 minute summer	S14	6780	-0.026	0.283	0.2	0.5005	0.0000	OK
10080 minute summer	S15	6780	-0.026	0.320	5.6	1.4412	0.0000	OK
10080 minute summer	S75	6780	-0.026	0.336	10.1	0.8558	0.0000	OK
10080 minute summer	S87	6780	-0.026	0.260	1.0	0.8443	0.0000	OK
10080 minute summer	S88	6780	-0.026	0.282	2.0	0.9200	0.0000	OK
10080 minute summer	S89	6780	-0.026	0.304	2.9	0.9858	0.0000	OK
10080 minute summer	S90	6780	-0.026	0.326	3.9	1.0394	0.0000	OK
10080 minute summer	S92	6780	-0.026	0.353	14.4	0.8990	0.0000	OK
10080 minute summer	S81	6720	-0.026	0.276	1.0	0.8915	0.0000	OK
10080 minute summer	S82	6780	-0.026	0.298	2.0	0.9680	0.0000	OK
10080 minute summer	S83	6780	-0.026	0.319	2.9	1.0303	0.0000	OK
10080 minute summer	S84	6780	-0.026	0.341	3.9	1.0821	0.0000	OK
10080 minute summer	S86	6780	-0.026	0.367	18.1	0.9346	0.0000	OK
10080 minute summer	S76	6780	-0.026	0.291	1.0	0.9359	0.0000	OK
10080 minute summer	S77	6780	-0.026	0.313	2.0	1.0122	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S26	1.000	S16	0.3	0.047	0.004	4.6467	
10080 minute summer	S25	2.000	S16	0.3	0.043	0.004	3.7695	
10080 minute summer	S16	1.001	S145	2.2	0.124	0.030	9.1959	
10080 minute summer	S145	1.002	S75	4.4	0.119	0.062	11.1153	
10080 minute summer	S4	3.000	S5	0.4	0.078	0.005	7.0271	
10080 minute summer	S5	3.001	S11	0.9	0.101	0.013	8.5425	
10080 minute summer	S9	4.000	S10	-0.8	0.059	-0.011	5.3333	
10080 minute summer	S10	4.001	S11	-0.3	0.037	-0.005	0.9683	
10080 minute summer	S11	3.002	S12	1.2	0.085	0.017	2.0729	
10080 minute summer	S12	3.003	S15	1.4	0.055	0.020	2.7529	
10080 minute summer	S1	5.000	S3	1.5	0.106	0.020	8.0781	
10080 minute summer	S3	5.001	S2	2.4	0.105	0.033	6.3983	
10080 minute summer	S2	5.002	S15	2.6	0.086	0.039	2.5572	
10080 minute summer	S14	6.000	S15	0.3	0.003	0.004	8.4556	
10080 minute summer	S15	3.004	S75	5.4	0.122	0.076	3.8821	
10080 minute summer	S75	1.003	S92	10.0	0.179	0.140	4.3891	
10080 minute summer	S87	7.000	S88	1.0	0.090	0.014	4.3296	
10080 minute summer	S88	7.001	S89	1.9	0.107	0.027	4.7425	
10080 minute summer	S89	7.002	S90	2.9	0.107	0.040	5.1448	
10080 minute summer	S90	7.003	S92	3.8	0.093	0.054	6.9980	
10080 minute summer	S92	1.005	S86	14.3	0.227	0.202	3.7848	
10080 minute summer	S81	8.000	S82	1.0	0.082	0.014	4.6301	
10080 minute summer	S82	8.001	S83	1.9	0.105	0.028	5.0265	
10080 minute summer	S83	8.002	S84	2.9	0.103	0.040	5.4058	
10080 minute summer	S84	8.003	S86	3.8	0.080	0.054	6.9187	
10080 minute summer	S86	1.006	S30	18.1	0.266	0.254	3.9257	
10080 minute summer	S76	9.000	S77	1.0	0.079	0.014	4.9070	
10080 minute summer	S77	9.001	S78	1.9	0.098	0.027	5.3005	

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Results for 100 year +40% CC 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S78	6840	-0.026	0.335	2.9	1.0769	0.0000	OK
10080 minute summer	S79	6780	-0.026	0.356	3.9	1.1248	0.0000	OK
10080 minute summer	S30	6780	-0.026	0.381	22.0	0.9701	0.0000	OK
10080 minute summer	S31	6780	-0.026	0.310	1.1	1.0270	0.0000	OK
10080 minute summer	S32	6840	-0.026	0.353	1.9	1.0901	0.0000	OK
10080 minute summer	S33	6780	-0.026	0.397	24.1	1.0105	0.0000	OK
10080 minute summer	S34	6780	-0.026	0.413	24.6	0.7297	0.0000	OK
10080 minute summer	S35	6780	-0.026	0.440	24.6	0.7770	0.0000	OK
10080 minute summer	S36	6900	-0.026	0.416	1.6	0.7354	0.0000	OK
10080 minute summer	S37	6780	-0.026	0.445	26.7	2.1862	0.0000	OK
10080 minute summer	S38	6780	-0.026	0.490	26.5	0.8650	0.0000	SURCHARGED
10080 minute summer	S39	6900	-0.027	0.535	26.4	0.9456	0.0000	SURCHARGED
10080 minute summer	S56	6780	-0.027	0.532	0.7	0.9402	0.0000	SURCHARGED
10080 minute summer	S57	6900	-0.027	0.538	26.3	1.3692	0.0000	SURCHARGED
10080 minute summer	S125	6720	-0.027	0.528	0.9	0.9330	0.0000	SURCHARGED
10080 minute summer	S127	6660	-0.027	0.552	26.2	1.4043	0.0000	SURCHARGED
10080 minute summer	S119	6660	-0.027	0.542	1.1	0.9574	0.0000	SURCHARGED
10080 minute summer	S60	7020	-0.027	0.566	26.1	1.4409	0.0000	SURCHARGED
10080 minute summer	Pond Inlet 1	6720	-0.021	0.589	39.6	1.0408	0.0000	OK
10080 minute summer	Pond Outlet	6840	-0.028	0.582	23.1	0.6577	0.0000	SURCHARGED
10080 minute summer	S13	6840	-0.029	0.609	6.1	2.1100	0.0000	SURCHARGED
10080 minute summer	Final Outfall	60	-0.740	0.000	5.8	0.0000	0.0000	OK
10080 minute summer	PP-S26	5040	0.514	0.014	0.3	0.2027	0.0000	OK
10080 minute summer	PP-S25	5100	0.512	0.012	0.3	0.1335	0.0000	OK
10080 minute summer	PP-S16	5100	0.514	0.014	0.5	0.1986	0.0000	OK
10080 minute summer	PP-S145	5100	0.514	0.014	0.6	0.2022	0.0000	OK
10080 minute summer	PP-S4	4920	0.514	0.014	0.4	0.1852	0.0000	OK
10080 minute summer	PP-S1	5160	0.521	0.021	1.1	3.7680	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S78	9.002	S79	2.9	0.103	0.041	5.6649	
10080 minute summer	S79	9.003	S30	3.8	0.072	0.053	6.7397	
10080 minute summer	S30	1.007	S33	22.0	0.308	0.308	4.6142	
10080 minute summer	S31	10.000	S32	1.0	0.086	0.015	10.7819	
10080 minute summer	S32	10.001	S33	1.8	0.042	0.025	12.1432	
10080 minute summer	S33	1.008	S34	24.0	0.327	0.340	4.8444	
10080 minute summer	S34	1.009	S35	24.5	0.320	0.345	8.3210	
10080 minute summer	S35	1.010	S37	24.5	0.311	0.369	1.7877	
10080 minute summer	S36	11.000	S37	-1.6	-0.047	-0.023	8.9556	
10080 minute summer	S37	1.011	S38	26.5	0.317	0.376	14.3144	
10080 minute summer	S38	1.012	S39	26.4	0.270	0.369	14.3287	
10080 minute summer	S39	1.013	S57	26.3	0.248	0.415	1.1814	
10080 minute summer	S56	12.011	S57	-0.7	-0.004	-0.010	2.0645	
10080 minute summer	S57	1.014	S127	26.2	0.248	0.371	4.4483	
10080 minute summer	S125	21.003	S127	-0.9	-0.005	-0.012	7.8151	
10080 minute summer	S127	1.015	S60	26.1	0.238	0.366	4.3871	
10080 minute summer	S119	22.003	S60	-1.1	-0.007	-0.016	7.8151	
10080 minute summer	S60	1.016	Pond Inlet 1	25.9	0.356	0.342	4.7280	
10080 minute summer	Pond Inlet 1	Flow through Pond	Pond Outlet	23.1	0.007	0.000	3211.8037	
10080 minute summer	Pond Outlet	1.018	S13	6.1	0.087	0.086	0.4779	
10080 minute summer	S13	Pump	Final Outfall	5.8				1607.0
10080 minute summer	PP-S26	1.000_1	S26	0.3	0.303	0.008	0.0099	
10080 minute summer	PP-S25	2.000_1	S25	0.3	0.380	0.005	0.0039	
10080 minute summer	PP-S16	3.000_1	S16	0.5	0.495	0.007	0.0050	
10080 minute summer	PP-S145	4.000_2	S145	0.6	0.611	0.007	0.0049	
10080 minute summer	PP-S4	1.000_2	S4	0.4	0.412	0.007	0.0049	
10080 minute summer	PP-S1	4.000_1	S1	1.1	0.622	0.017	0.0088	

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Results for 100 year +40% CC 10080 minute summer. 11520 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	PP-S5	4980	0.515	0.015	0.6	0.2410	0.0000	OK
10080 minute summer	PP-S12	4680	0.508	0.008	0.2	0.0962	0.0000	OK
10080 minute summer	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	PP-S2	4860	0.510	0.010	0.3	0.2120	0.0000	OK
10080 minute summer	PP-S15	5040	0.510	0.010	0.3	0.0947	0.0000	OK
10080 minute summer	PP-S75	5100	0.509	0.009	0.3	0.1051	0.0000	OK
10080 minute summer	PP-S24	4980	0.513	0.013	0.6	0.2082	0.0000	OK
10080 minute summer	PP-S30	4620	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute summer	PP-S33	4980	0.509	0.009	0.3	0.0814	0.0000	OK
10080 minute summer	PP-S34	5100	0.512	0.012	0.6	0.2005	0.0000	OK
10080 minute summer	PP-S35	4620	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute summer	PP-S36	4860	0.510	0.010	0.4	0.1092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	PP-S5	2.000_2	S5	0.6	0.559	0.008	0.0054	
10080 minute summer	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
10080 minute summer	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute summer	PP-S2	10.000_1	S2	0.3	0.529	0.003	0.0028	
10080 minute summer	PP-S15	12.000_1	S15	0.3	0.541	0.003	0.0028	
10080 minute summer	PP-S75	13.000_1	S75	0.3	0.560	0.003	0.0027	
10080 minute summer	PP-S24	14.000_1	S92	0.6	0.699	0.006	0.0043	
10080 minute summer	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
10080 minute summer	PP-S33	20.000_1	S33	0.3	0.621	0.003	0.0024	
10080 minute summer	PP-S34	21.000_1	S34	0.6	0.773	0.005	0.0039	
10080 minute summer	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
10080 minute summer	PP-S36	23.000_2	S36	0.4	0.693	0.003	0.0029	

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Results for 100 year +40% CC 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S26	7140	0.016	0.254	0.2	0.4495	0.0000	OK
10080 minute winter	S25	7200	0.017	0.261	0.2	0.6631	0.0000	OK
10080 minute winter	S16	7140	0.016	0.283	1.6	1.2567	0.0000	OK
10080 minute winter	S145	7200	0.016	0.331	3.1	1.4273	0.0000	OK
10080 minute winter	S4	7200	0.016	0.259	0.3	0.4585	0.0000	OK
10080 minute winter	S5	7140	0.016	0.300	0.8	0.5307	0.0000	OK
10080 minute winter	S9	7320	0.017	0.313	2.2	0.7216	0.0000	OK
10080 minute winter	S10	7200	0.017	0.338	2.2	0.5968	0.0000	OK
10080 minute winter	S11	7200	0.017	0.343	2.5	0.6059	0.0000	OK
10080 minute winter	S12	7200	0.017	0.352	1.4	0.6215	0.0000	OK
10080 minute winter	S1	7140	0.016	0.280	1.1	0.6605	0.0000	OK
10080 minute winter	S3	7200	0.016	0.323	1.8	1.0344	0.0000	OK
10080 minute winter	S2	7140	0.017	0.353	1.9	0.6229	0.0000	OK
10080 minute winter	S14	7200	0.017	0.326	0.5	0.5754	0.0000	OK
10080 minute winter	S15	7140	0.016	0.362	4.1	1.6316	0.0000	OK
10080 minute winter	S75	7320	0.017	0.379	7.2	0.9640	0.0000	OK
10080 minute winter	S87	7320	0.017	0.303	1.1	0.9822	0.0000	OK
10080 minute winter	S88	7140	0.017	0.325	1.4	1.0582	0.0000	OK
10080 minute winter	S89	7140	0.017	0.347	2.1	1.1240	0.0000	OK
10080 minute winter	S90	7200	0.017	0.369	2.7	1.1739	0.0000	OK
10080 minute winter	S92	7140	0.016	0.395	10.2	1.0062	0.0000	OK
10080 minute winter	S81	7140	0.017	0.319	0.7	1.0285	0.0000	OK
10080 minute winter	S82	7260	0.016	0.340	1.4	1.1056	0.0000	OK
10080 minute winter	S83	7320	0.017	0.362	2.0	1.1675	0.0000	OK
10080 minute winter	S84	7140	0.016	0.383	2.7	1.2161	0.0000	OK
10080 minute winter	S86	7140	0.016	0.409	12.8	1.0421	0.0000	OK
10080 minute winter	S76	7140	0.017	0.334	1.2	1.0728	0.0000	OK
10080 minute winter	S77	7260	0.016	0.355	1.4	1.1490	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S26	1.000	S16	0.2	0.050	0.003	5.7351	
10080 minute winter	S25	2.000	S16	-0.2	0.043	-0.003	4.6380	
10080 minute winter	S16	1.001	S145	1.5	0.124	0.021	10.9047	
10080 minute winter	S145	1.002	S75	3.0	0.120	0.043	12.6629	
10080 minute winter	S4	3.000	S5	0.3	0.078	0.004	8.5644	
10080 minute winter	S5	3.001	S11	1.0	0.101	0.013	10.0110	
10080 minute winter	S9	4.000	S10	-2.2	0.061	-0.032	6.2354	
10080 minute winter	S10	4.001	S11	1.2	0.040	0.016	1.1187	
10080 minute winter	S11	3.002	S12	1.4	0.086	0.020	2.3812	
10080 minute winter	S12	3.003	S15	1.9	0.059	0.027	3.1359	
10080 minute winter	S1	5.000	S3	1.1	0.106	0.015	9.6298	
10080 minute winter	S3	5.001	S2	1.7	0.103	0.024	7.3957	
10080 minute winter	S2	5.002	S15	1.9	0.085	0.027	2.9117	
10080 minute winter	S14	6.000	S15	-0.5	-0.005	-0.007	9.7273	
10080 minute winter	S15	3.004	S75	4.0	0.121	0.056	4.3754	
10080 minute winter	S75	1.003	S92	7.1	0.177	0.100	4.8831	
10080 minute winter	S87	7.000	S88	-1.0	0.090	-0.013	5.1132	
10080 minute winter	S88	7.001	S89	1.4	0.107	0.019	5.4999	
10080 minute winter	S89	7.002	S90	2.0	0.107	0.028	5.8578	
10080 minute winter	S90	7.003	S92	2.7	0.096	0.038	7.8118	
10080 minute winter	S92	1.005	S86	10.2	0.219	0.143	4.1606	
10080 minute winter	S81	8.000	S82	0.7	0.082	0.010	5.3934	
10080 minute winter	S82	8.001	S83	1.3	0.103	0.019	5.7527	
10080 minute winter	S83	8.002	S84	2.0	0.103	0.028	6.0826	
10080 minute winter	S84	8.003	S86	2.7	0.081	0.038	7.6395	
10080 minute winter	S86	1.006	S30	12.7	0.256	0.179	4.2668	
10080 minute winter	S76	9.000	S77	1.2	0.078	0.017	5.6464	
10080 minute winter	S77	9.001	S78	1.3	0.095	0.019	5.9958	

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Results for 100 year +40% CC 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S78	7320	0.017	0.378	2.0	1.2150	0.0000	OK
10080 minute winter	S79	7320	0.017	0.399	2.7	1.2589	0.0000	OK
10080 minute winter	S30	7200	0.016	0.423	15.6	1.0776	0.0000	OK
10080 minute winter	S31	7260	0.016	0.352	0.8	1.1675	0.0000	OK
10080 minute winter	S32	7320	0.016	0.395	1.9	1.2208	0.0000	OK
10080 minute winter	S33	7200	0.017	0.440	17.0	1.1190	0.0000	OK
10080 minute winter	S34	7200	0.017	0.456	17.3	0.8054	0.0000	SURCHARGED
10080 minute winter	S35	7200	0.017	0.483	17.3	0.8531	0.0000	SURCHARGED
10080 minute winter	S36	7200	0.017	0.459	0.7	0.8109	0.0000	SURCHARGED
10080 minute winter	S37	7200	0.017	0.488	18.8	2.3975	0.0000	SURCHARGED
10080 minute winter	S38	7260	0.016	0.532	18.7	0.9395	0.0000	SURCHARGED
10080 minute winter	S39	7260	0.016	0.578	18.6	1.0221	0.0000	SURCHARGED
10080 minute winter	S56	7320	0.016	0.575	0.7	1.0162	0.0000	SURCHARGED
10080 minute winter	S57	7320	0.016	0.581	18.5	1.4794	0.0000	SURCHARGED
10080 minute winter	S125	7320	0.017	0.572	0.7	1.0109	0.0000	SURCHARGED
10080 minute winter	S127	7260	0.017	0.596	18.5	1.5168	0.0000	SURCHARGED
10080 minute winter	S119	7260	0.016	0.585	0.8	1.0345	0.0000	SURCHARGED
10080 minute winter	S60	7320	0.016	0.609	18.4	1.5505	0.0000	SURCHARGED
10080 minute winter	Pond Inlet 1	7320	0.018	0.628	45.5	1.1089	0.0000	OK
10080 minute winter	Pond Outlet	7260	0.014	0.624	14.4	0.7053	0.0000	SURCHARGED
10080 minute winter	S13	7260	0.013	0.651	6.6	2.2554	0.0000	SURCHARGED
10080 minute winter	Final Outfall	60	-0.740	0.000	6.6	0.0000	0.0000	OK
10080 minute winter	PP-S26	4140	0.512	0.012	0.2	0.1403	0.0000	OK
10080 minute winter	PP-S25	4320	0.510	0.010	0.2	0.0943	0.0000	OK
10080 minute winter	PP-S16	4200	0.511	0.011	0.3	0.1261	0.0000	OK
10080 minute winter	PP-S145	4620	0.511	0.011	0.4	0.1411	0.0000	OK
10080 minute winter	PP-S4	4380	0.512	0.012	0.3	0.1429	0.0000	OK
10080 minute winter	PP-S1	5340	0.518	0.018	0.8	2.7963	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S78	9.002	S79	2.0	0.101	0.029	6.3049	
10080 minute winter	S79	9.003	S30	2.7	0.071	0.037	7.3559	
10080 minute winter	S30	1.007	S33	15.5	0.297	0.218	4.9471	
10080 minute winter	S31	10.000	S32	0.8	0.085	0.011	12.1122	
10080 minute winter	S32	10.001	S33	1.5	0.038	0.021	13.1579	
10080 minute winter	S33	1.008	S34	16.9	0.314	0.239	5.0957	
10080 minute winter	S34	1.009	S35	17.2	0.309	0.243	8.5103	
10080 minute winter	S35	1.010	S37	17.3	0.302	0.260	1.7947	
10080 minute winter	S36	11.000	S37	0.9	0.011	0.013	9.1184	
10080 minute winter	S37	1.011	S38	18.7	0.316	0.265	14.3287	
10080 minute winter	S38	1.012	S39	18.6	0.285	0.260	14.3287	
10080 minute winter	S39	1.013	S57	18.5	0.271	0.293	1.1814	
10080 minute winter	S56	12.011	S57	-0.7	-0.005	-0.011	2.0645	
10080 minute winter	S57	1.014	S127	18.5	0.267	0.261	4.4483	
10080 minute winter	S125	21.003	S127	-0.7	-0.015	-0.010	7.8151	
10080 minute winter	S127	1.015	S60	18.4	0.266	0.258	4.3871	
10080 minute winter	S119	22.003	S60	-0.8	-0.016	-0.012	7.8151	
10080 minute winter	S60	1.016	Pond Inlet 1	18.3	0.373	0.241	4.7280	
10080 minute winter	Pond Inlet 1	Flow through Pond	Pond Outlet	14.4	0.007	0.000	3467.3232	
10080 minute winter	Pond Outlet	1.018	S13	6.6	0.094	0.093	0.4779	
10080 minute winter	S13	Pump	Final Outfall	6.6				1929.7
10080 minute winter	PP-S26	1.000_1	S26	0.2	0.266	0.005	0.0075	
10080 minute winter	PP-S25	2.000_1	S25	0.2	0.339	0.003	0.0029	
10080 minute winter	PP-S16	3.000_1	S16	0.3	0.426	0.004	0.0035	
10080 minute winter	PP-S145	4.000_2	S145	0.4	0.542	0.005	0.0037	
10080 minute winter	PP-S4	1.000_2	S4	0.3	0.378	0.005	0.0040	
10080 minute winter	PP-S1	4.000_1	S1	0.8	0.564	0.012	0.0071	

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Results for 100 year +40% CC 10080 minute winter. 11520 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	PP-S5	4920	0.513	0.013	0.5	0.2037	0.0000	OK
10080 minute winter	PP-S12	4680	0.508	0.008	0.2	0.0962	0.0000	OK
10080 minute winter	PP-S14	60	0.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	PP-S2	3960	0.508	0.008	0.2	0.1482	0.0000	OK
10080 minute winter	PP-S15	4320	0.508	0.008	0.2	0.0668	0.0000	OK
10080 minute winter	PP-S75	4440	0.508	0.008	0.2	0.0739	0.0000	OK
10080 minute winter	PP-S24	4920	0.512	0.012	0.5	0.1774	0.0000	OK
10080 minute winter	PP-S30	4560	0.507	0.007	0.2	0.0702	0.0000	OK
10080 minute winter	PP-S33	4140	0.507	0.007	0.2	0.0576	0.0000	OK
10080 minute winter	PP-S34	4620	0.510	0.010	0.4	0.1423	0.0000	OK
10080 minute winter	PP-S35	4500	0.505	0.005	0.1	0.0345	0.0000	OK
10080 minute winter	PP-S36	4380	0.509	0.009	0.3	0.0855	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	PP-S5	2.000_2	S5	0.5	0.528	0.007	0.0047	
10080 minute winter	PP-S12	8.000_1	S12	0.2	0.470	0.002	0.0021	
10080 minute winter	PP-S14	11.000_1	S14	0.0	0.000	0.000	0.0000	
10080 minute winter	PP-S2	10.000_1	S2	0.2	0.471	0.002	0.0021	
10080 minute winter	PP-S15	12.000_1	S15	0.2	0.482	0.002	0.0021	
10080 minute winter	PP-S75	13.000_1	S75	0.2	0.498	0.002	0.0020	
10080 minute winter	PP-S24	14.000_1	S92	0.5	0.663	0.005	0.0038	
10080 minute winter	PP-S30	18.000_1	S30	0.2	0.541	0.002	0.0018	
10080 minute winter	PP-S33	20.000_1	S33	0.2	0.551	0.002	0.0018	
10080 minute winter	PP-S34	21.000_1	S34	0.4	0.690	0.003	0.0029	
10080 minute winter	PP-S35	22.000_2	S35	0.1	0.469	0.001	0.0011	
10080 minute winter	PP-S36	23.000_2	S36	0.3	0.639	0.003	0.0023	

Water Quality

Intended Land Use	Entering via Node or Link	Name	SuDS Component	Pollution hazard indices TSS	Metals	Hydrocarbons	Pollution mitigation indices TSS	Metals	Hydrocarbons	Cumulative pollution hazard indices TSS	Metals	Hydroc
	Node	PP-S26	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S25	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S16	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S145	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S4	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S5	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S12	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S1	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S2	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S14	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S15	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S75	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S24	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S30	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S33	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S34	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S35	Permeable Surface				0.7	0.6	0.7			
	Node	PP-S36	Permeable Surface				0.7	0.6	0.7			
	Node	Final Outfall								Sufficient	Sufficient	Su

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